NSK E 0 0 2

N S K Group
Green Procurement Standard

List of NSK Environmentally Harmful Substances (Ver. 7.4)

Revised on December 8, 2023

NSK Ltd.

1．Laws/Regulations and Industrial Guidelines and Customer standards Referenced in the List of NSK Environmentally Harmful Substances

1－1 Laws/Regulations

1） Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
　　Class I Specified Chemical Substances
　　Class II Specified Chemical Substances
　　Chemical Substances Subject to Monitoring

2） Industrial Safety and Health Act
　　Substances which are prohibited to be manufactured

3） Poisonous and Deleterious Substances Control Act
　　Specified poisons

4） RoHS Directive （Restriction of the use of certain Hazardous Substances in electrical and electronic equipment)
　（EU Directive No.2015/863/EU ）

5） ELV Directive （End of Life Vehicles, Directive)
　（EU Directive No.2011/37/EU）

6） REACH Regulations Annex XVII Restricted substances(～Entry77)

7） REACH Regulations Annex XIV Permitted substances(59 substances)

8） REACH Regulations SVHC (Substances of Very High Concern)
　(1st-29th candidates)
　(Registration, Evaluation, Authorization and Restriction of Chemicals)

9） EU POPs Regulation (EC) No 2019/1021 ANNEX I

10）CLP Regulations Annex VI Table3.2 CMR ((Categories 1, 2) Substances
　（C : Carcinogenic、M : Mutagetic、R : Toxic for Reproduction）

11）Prohibition of Certain Toxic Substances Regulations, 2012（Canada）

12）Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)

13）Toxic Substances Control Act: TSCA (US)

1－2 Industrial Guidelines

1） 2023GADSL(Global Automotive Declarable Substance List)
　（Revised on February, 2023）

2） IEC62474 D27.00 （IEC : International Electrotechnical Commission)
　（Revised on July 23, 2023）

2. Classes and Standards for Control

2 – 1 Classes and Standards for Control

In order to appropriately control environmentally harmful substances in parts/materials, sub-materials, auxiliary materials for production, and packing/packaging materials, NSK environmentally harmful substances are classified into NSK prohibited substanc,NSK reduced use substances, and NSK observation substances.

1) **NSK Prohibited Substances** **Substances which must not be contained in or adhere to parts/materials, sub-materials, auxiliary materials for production and packing/packaging materials in accordance with the Classes and Standards for Product Groups specified in Section 2-2.**

2) **NSK Reduced Substances** **Substances which must not be contained in or adhere to newly selected parts/materials, sub-materials, auxiliary materials for production and packing/packaging materials in accordance with the Classes and Standards for Product Groups specified in Section 2-2.**

If these substances are contained in or adhere to existing parts/materials, sub-materials, auxiliary materials for production and packing/packaging materials, selection and evaluation of replacement products must have been completed.

[* "Newly selected" means items which are subject to Section 3 consisting of chemical substances which have never been used by the NSK Group in the past.]

3) **NSK Observation Substance** **Substances whose usage locations, applications and content must be known in accordance with the Classes and Standards for Product Groups specified in Section 2-2.**

2 – 2 Management classification and management criteria according to product group

The management classification for each NSK product group was decided according to legal regulations, industry guidelines and customer demand.

<table>
<tr><th>Product Group</th><th>NSK Prohibited Substances</th><th>NSK Reduced Substances</th><th>NSK Observation Substances</th></tr>
<tr><td>Ball bearing
Direct drive products
- Ball screw
- NSK linear guide
- Monocarrier (machine parts)
NSK-Warner products
- Friction plate
- One-way clutch
- Clutch assembly</td><td>(4,075 substances)</td><td>(253 substances)</td><td>(4,865 substances)</td></tr>
<tr><td>Autoparts
- Steering
- Ball screw for actuators</td><td colspan="2">P and D/P of GADSL are applied.</td><td>D of GADSL is applied.</td></tr>
<tr><td>Mechatronics equipment
(Megatorque motor,
XY table, etc.)
Direct drive products
- Monocarrier (electrical and electronic components)
Spindle</td><td>- Cadmium and its compounds (100 ppm and above)
- Lead and its compounds (1000 ppm and above)
- Mercury and its compounds (1000 ppm and above)
- Hexavalent chromium salts (1000 ppm and above)
- Polybrominated biphenyls (1000 ppm and above)
- Polybrominated diphenyl ether (1000 ppm and above)
- Benzyl butyl phthalate(BBP)(1000 ppm and above)
- Di(2-ethylhexyl)phthalate(DEHP)(1000 ppm and above)
- Dibutylphthalate(DBP)(1000 ppm and above)
- Diisobutylphthatlate(DiBP)(1000 ppm and above)
(Excluding the respective substances that comply with the RoHS Directive)</td><td>–</td><td>IEC62474
However, excluding RoHS substances</td></tr>
</table>

3. Application Range and Examples

Use	Description	Product Example
Parts/Materials	Parts/materials and finished/semi-finished products used in NSK products	Resins (parts/materials), rubbers (parts/materials), greases, oils, solders, finishings (platings etc.), steel stock, nonmetal materials, machined parts, screws, sensors, motors, controllers, electronic components, and others.
Sub-Materials	Substances used in or that come with NSK products which are shipped	Anticorrosives, adhesives, paints, tapes, labels, instructions for use, inks, markers, and others.
Auxiliary Materials for Production	Oils, grinding stones, and cutting tools,Jig tools used in NSK production processes	Heat treating oils, working oils (forging, cutting, grinding), surface treatment agents, detergents, solvents (thinners, etc.), interim anticorrosives, cutting tools, grinding stones, Jig tools and others.
Packing/Packaging Materials	Materials used for shipping/transporting NSK products	Plastic boxes, trays, plastic bags, plastic sheets, stretch films, cushions, pallets, crates, cardboards, tapes, banding bands, labels, printing inks, and others.

4. Definition of Terminology

1) Environmentally harmful substance
A substance which has, or may have, a detrimental effect on people's health or environmental conservation

2) Intentionally contained:
A case where a substance is continually used or added intentionally in order to impart specific characteristics, appearance or quality.

3) Unintentionally contained:
A case where a substance is contained although not added intentionally.
- When it is contained in a material or raw material, etc., and cannot be removed industrial material.
- When it is a side product which cannot be removed in the manufacturing process.

4) Permitted concentration (threshold):
Concentration below which substance is not to be prohibited, restricted or controlled.

5) CAS-No (Chemical Abstracts Service Number) :
A number assigned to a chemical substance by the American Chemical Society (ACS: American Chemical Society).
It has a maximum of 10 digits, a unique number being assigned to every chemical.

6) GADSL (Global Automotive Declarable Substance List)
A list of banned substances or substances to be notified drawn up by the motor vehicle industry.
If a threshold is exceeded, the following classification is applied:
P : Prohibited for any use
D／P : Prohibited for certain uses, while for other uses, notification must be given.
D : Whenever used, notification must be given.

7) IEC62474 (Issued on March 22, 2012)
Mandatory : Reporting is mandatory.
Optional : Reporting is optional.

8) chemSHERPA
A common scheme for communicating information on chemical substances contained in products that can be used throughout the supply chain.
Data preparation support tool for articles (chemSHERPA-AI) and data preparation support tool for chemicals (chemSHERPA-CI) are available.
The tools are available from the website operated by the Joint Article Management Promotion-consortium (JAMP).
Tools, data samples, operation manuals, etc. can be obtained from the website operated by the Joint Article Management Promotion-consortium (JAMP).
JAMP homepage: https://chemsherpa.net/

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Acetaldehyde	ｱｾﾄｱﾙﾃﾞﾋﾄﾞ	75-07-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
Acetamide, N-methyl-	ｱｾﾄｱﾐﾄﾞ、N-ﾒﾁﾙ	79-16-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
Acetonitrile	ｱｾﾄﾆﾄﾘﾙ	75-05-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Acrylamide	ｱｸﾘﾙｱﾐﾄﾞ	79-06-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●	●										●		●	
Acrylonitrile	ｱｸﾘﾛﾆﾄﾘﾙ	107-13-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
Alkyl (C7-C9), 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates, mixture of branched and linear		127519-17-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Alkyl Phenol derivatives, selected	ｱﾙｷﾙﾌｪﾉｰﾙ誘導体、抜粋		Prohibited			●																
Phenol, dodecyl-, branched	ﾌｪﾉｰﾙ, ﾄﾞﾃﾞｼﾙ, 分岐	121158-58-5	Prohibited	These substance use are prohibitted for additives of mixture sold independently (for example; anti-oxide additive of lubricant)	0.30%	●		●											●			
Phenol, 2-dodecyl-, branched	ﾌｪﾉｰﾙ, 2-ﾄﾞﾃﾞｼﾙ, 分岐	1801269-80-6	Prohibited	These substance use are prohibitted for additives of mixture sold independently (for example; anti-oxide additive of lubricant)	0.30%	●		●											●			
Phenol, 3-dodecyl-, branched	ﾌｪﾉｰﾙ, 3-ﾄﾞﾃﾞｼﾙ, 分岐	1801269-77-1	Prohibited	These substance use are prohibitted for additives of mixture sold independently (for example; anti-oxide additive of lubricant)	0.30%	●		●											●			
Phenol, 4-dodecyl-, branched	ﾌｪﾉｰﾙ, 4-ﾄﾞﾃﾞｼﾙ, 分岐	210555-94-5	Prohibited	These substance use are prohibitted for additives of mixture sold independently (for example; anti-oxide additive of lubricant)	0.30%	●		●											●			
Phenol, (tetrapropenyl) derivatives	ﾌｪﾉｰﾙ, (ﾃﾄﾗﾌﾟﾛﾍﾟﾆﾙ)誘導体	74499-35-7	Prohibited	These substance use are prohibitted for additives of mixture sold independently (for example; anti-oxide additive of lubricant)	0.30%	●		●											●			
Amines, coco alkyl		61788-46-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Amines, which can form carcinogenic Nitrosamines, selected	発がん性のあるニトロソアミンを形成する可能性のあるアミン、抜粋		Observation			●																
N,N-Diethanolamine (Ethanol, 2,2'-iminobis-)	ｼﾞｴﾀﾉｰﾙｱﾐﾝ	111-42-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
N,N-Diethylamine (Ethanamine, N-ethyl-)	ｼﾞｴﾁﾙｱﾐﾝ	109-89-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N,N-Di-i-propylamine (2-Propanamine, N-(1-methylethyl)-)	ｼﾞｲｿﾌﾟﾛﾋﾟﾙｱﾐﾝ	108-18-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N,N-Dimethylamine (Methanamine, N-methyl-)	ｼﾞﾒﾁﾙｱﾐﾝ	124-40-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N,N-Di-n-propylamine (1-Propanamine, N-propyl-)	ｼﾞ-n-ﾌﾟﾛﾋﾟﾙｱﾐﾝ	142-84-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N,N-Di-n-butylamine (1-Butanamine, N-butyl-)	ｼﾞ-n-ﾌﾞﾁﾙｱﾐﾝ	111-92-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N,N-Ethylphenylamine (Benzenamine, N-ethyl-)	N-ｴﾁﾙｱﾆﾘﾝ	103-69-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N,N-Methylethylamine (Ethanamine, N-methyl-)	N-ﾒﾁﾙｴﾁﾙｱﾐﾝ	624-78-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N-Methyl-N-phenylamine (Benzenamine, N-methyl-)	N-ﾒﾁﾙｱﾆﾘﾝ	100-61-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Morpholine	ﾓﾙﾎﾘﾝ	110-91-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																

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Piperidine	ﾋﾟﾍﾟﾘｼﾞﾝ	110-89-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Pyrrolidine	ﾋﾟﾛﾘｼﾞﾝ	123-75-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
4-Aminobiphenyl and its salts, all members	4-アミノビフェニルおよびその塩、全て		Prohibited			●																
4-Aminobiphenyl	4-ｱﾐﾉﾋﾞﾌｪﾆﾙ	92-67-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	●	●	●	●							●			●		●	
p-aminobiphenyl hydrochloride	p-ｱﾐﾉﾋﾞﾌｪﾆﾙｸﾛﾗｲﾄﾞ	2113-61-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	●																
Ammonium Nitrate (AN)	硝酸ｱﾝﾓﾆｳﾑ	6484-52-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium perchlorate	過塩素酸ｱﾝﾓﾆｳﾑ	7790-98-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Aniline and its salts, all members	ｱﾆﾘﾝおよびその塩、全て					●																
Aniline	ｱﾆﾘﾝ	62-53-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Aniline chloride	ｱﾆﾘﾝ塩酸塩	142-04-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Anilinetrifluoroboron	ｱﾆﾘﾝﾄﾘﾌﾙｵﾛﾎﾞﾛﾝ	660-53-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Benzenamine sulfate (2:1)	ｱﾆﾘﾝ硫酸塩	542-16-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Salts from 2,2'-Dichloro-4,4'-methylendianiline		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
3,5-Dichloro-4-(1,1,2,2-Tetrafluroethoxy)Aniline	3,5-ｼﾞｸﾛﾛ-4-(1,1,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾄｷｼ)ｱﾆﾘﾝ	104147-32-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Salts from 4,4'-Carbonimidoylbis[N,N-dimethylanilin]	4,4'-ｶﾙﾎﾞﾝｲﾐﾄﾞｲﾙﾋﾞｽ[N,N-ｼﾞﾒﾁﾙｱﾆﾘﾝ]塩	-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
9,10-Anthracenedione, 1-[(5,7-dichloro-1,9-dihydro-2-methyl-9-oxopyrazolo[5,1-b]quinazolin-3-yl)azo]- (Pigment Red 251)	3-(1-ｱﾝﾄﾗｷﾉﾆﾙｱｿﾞ)-5.7-ｼﾞｸﾛﾛ-2-ﾒﾁﾙ-1H-ﾋﾟﾗｿﾞﾛ[3.2-b]ｷﾅｿﾞﾘﾝ-9-ｵﾝ	74336-60-0	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●																
Antimonytrioxide（Diantimonytrioxide）	三酸化ｱﾝﾁﾓﾝ(三酸化二ｱﾝﾁﾓﾝ)	1309-64-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Aromatic amines, selected	芳香族アミン類、抜粋		Observation			●																
N-Phenyl-2-naphthylamine	N-ﾌｪﾆﾙ-2-ﾅﾌﾁﾙｱﾐﾝ	135-88-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Diethylmethylbenzenediamine	ｼﾞｴﾁﾙﾄﾙｴﾝｼﾞｱﾐﾝ	68479-98-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Bis(methylthio)toluenediamine	ﾋﾞｽ(ﾒﾁﾙﾁｵ)ﾄﾙｴﾝｼﾞｱﾐﾝ	106264-79-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Diphenylamine	ｼﾞﾌｪﾆﾙｱﾐﾝ	122-39-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
1,3-benzenediamine, 4,6-diethyl-2-methyl-	2,6-ｼﾞｱﾐﾉ-3,5-ｼﾞｴﾁﾙﾄﾙｴﾝ	2095-01-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

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1,3-benzenediamine, 2,4-diethyl-6-methyl-	2,4-ｼﾞｱﾐﾉ-3,5-ｼﾞｴﾁﾙﾄﾙｴﾝ	2095-02-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
O-toluidine, 4-chloro-, hydrochloride	4-ｸﾛﾛ-o-ﾄﾙｲｼﾞﾝ塩酸塩	3165-93-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2,4-Diaminoanisole sulphate (1,3-Benzenediamine, 4-methoxy-, sulfate (1:1))	2,4-ｼﾞｱﾐﾉｱﾆｿｰﾙ硫酸	39156-41-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
Benzenamine, 2-methyl-5-nitro-, monohydrochloride	4,4'-(4-ｲﾐﾉｼｸﾛﾍｷｻ-2, 5-ｼﾞｴﾆﾘﾃﾞﾝﾒﾁﾙ)ｼﾞｱﾆﾘﾝ塩酸塩	51085-52-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)aniline	3,5-ｼﾞｸﾛﾛ-4-(1,1,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾄｷｼ)ｱﾆﾘﾝ	104147-32-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	ﾍﾞｰｼｯｸﾌﾞﾙｰ26	2580-56-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Methanaminium, n-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-n-methyl-, chloride: C.I. Basic Violet 3	[4-{ﾋﾞｽ(4-ｼﾞﾒﾁﾙｱﾐﾉﾌｪﾆﾙ)ﾒﾁﾚﾝ}-2,5-ｼｸﾛﾍｷｻｼﾞｴﾝ-1-ｲﾘﾃﾞﾝ]ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	548-62-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●												●		●	
Benzenamine, 4-[(4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl]-, monohydrochloride	4-[(4-ｱﾐﾉﾌｪﾆﾙ)(4-ｲﾐﾉ-2,5-ｼｸﾛﾍｷｻｼﾞｴﾝ-1-ｲﾘｼﾞｴﾝ) ﾒﾁﾙ] ｱﾆﾘﾝ塩化水素	569-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		●	
Arsenic and its compounds, all members	ヒ素およびその化合物、全て		Prohibited			●																
Cadmium arsenide (Cd3As2)	ﾋ化ｶﾄﾞﾐｳﾑ	12006-15-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Chromium arsenide (Cr2As)	ﾋ化ｸﾛﾑ	12254-85-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Lead arsenate	ﾋ酸鉛	3687-31-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●		●	●													
Lead arsenate	ﾋ酸鉛	7784-40-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●		●	●													
Lead arsenate (Pb3(AsO4)2)	砒酸鉛(ii)	10102-48-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Lead arsenate, unspecified	ヒ酸鉛(混合)	7645-25-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Lead arsenite	亜ヒ酸鉛	10031-13-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Mercuric arsenate	ヒ酸第二水銀(HgAsHO4)	7784-37-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
2,6-Dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate	2,6-ｼﾞﾒﾁﾙ-4-(1-ﾅﾌﾀﾚﾆﾙ)ﾋﾟﾘﾘｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ	84282-36-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
2,6-Dimethyl-4-phenylpyrylium hexafluoroarsenate	2,6-ｼﾞﾒﾁﾙ-4-ﾌｪﾆﾙﾋﾟﾘﾘｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ	84304-15-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
4-Cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate	4-ｼｸﾛﾍｷｼﾙ-2,6-ｼﾞﾒﾁﾙﾋﾟﾘﾘｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ	84304-16-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
6,6'-Dihydroxy-3,3'-diarsene-1,2-diyldianilinium dichloride	6,6' -ｼﾞﾋﾄﾞﾛｷｼ-3,3' -ｼﾞﾋ素-1, 2-ｼﾞｲﾙｱﾆﾘﾆｳﾑｼﾞｸﾛﾘﾄﾞ	139-93-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Aluminum arsenide (AlAs)	ﾋ化ｱﾙﾐﾆｳﾑ	22831-42-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Aluminum gallium arsenide ((Al,Ga)As)	ﾋ化ｱﾙﾐﾆｳﾑ･ｶﾞﾘｳﾑ	37382-15-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Ammonium arsenate	ﾋ酸ｱﾝﾓﾆｳﾑ	7784-44-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Ammonium-magnesium-arsenat	ｱﾝﾓﾆｳﾑ-ﾏｸﾞﾈｼｳﾑ-亜ヒ酸混合物	14644-70-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Antimony arsenate	ﾋ酸ｱﾝﾁﾓﾝ	28980-47-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Antimony arsenic oxide	酸化ヒ素ｱﾝﾁﾓﾝ	64475-90-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Antimony arsenide (Sb3As)	ヒ化ｱﾝﾁﾓﾝ (Sb3As)	12255-36-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenargentite (Ag3As)	ヒ化銀 (Ag3As)	12417-99-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenate(1-), hexafluoro-, hydrogen	ﾍｷｻﾌﾙｵﾛヒ酸水素	17068-85-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenate(1-), hexafluoro-, lithium	六ﾌｯ化ヒ酸ﾘﾁｳﾑ	29935-35-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenate(1-), hexafluoro-, potassium	ﾍｷｻﾌﾙｵﾛヒ(Ⅴ)酸ｶﾘｳﾑ	17029-22-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, lithium salt	亜ヒ酸ﾘﾁｳﾑ塩	72845-34-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid	ヒ酸	1327-52-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●																
Arsenic acid	ヒ酸	7778-39-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●		●	●	●												
Arsenic acid (H3AsO4), ammonium copper(2+) salt (1:1:1)	ヒ酸 (H3AsO4)ｱﾝﾓﾆｳﾑ銅 (1:1:1)	32680-29-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), barium salt (2:3)	ヒ酸 (H3AsO4)ﾊﾞﾘｳﾑ (2:3)	13477-04-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), bismuth salt (1:1)	ヒ酸 (H3AsO4)ﾋﾞｽﾏｽ塩 (1:1)	13702-38-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), cobalt(2+) salt (2:3)	ヒ酸ｺﾊﾞﾙﾄ(II)	24719-19-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), copper salt	ヒ酸銅(Ⅱ)(AsH3O4.xCu)	10103-61-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), copper(2+) salt (2:3)	ヒ酸銅(Ⅱ)(Cu3(AsO4)2)	7778-41-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●																
Arsenic acid (H3AsO4), dipotassium salt	ヒ酸(H3AsO4)二ｶﾘｳﾑ塩	21093-83-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), magnesium salt, manganese-doped	ヒ酸ﾏｸﾞﾈｼｳﾑ塩 ﾏﾝｶﾞﾝﾄﾞｰﾌﾟ塗料	102110-21-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), monoammonium salt	ヒ酸二水素ｱﾝﾓﾆｳﾑ	13462-93-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), strontium salt (2:3)	ヒ酸ｽﾄﾛﾝﾁｳﾑ塩 (2:3)	13464-68-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), trilithium salt	ヒ酸ﾘﾁｳﾑ	13478-14-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), trisilver(1+) salt	ヒ酸銀	13510-44-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid, lead (4+) salt	ヒ酸鉛 (4+)塩	53404-12-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid, trisodium salt	ヒ酸ﾅﾄﾘｳﾑ	13464-38-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic bromide	ヒ酸ﾌﾞﾛﾐﾄﾞ	64973-06-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic bromide	ヒ酸ﾌﾞﾛﾐﾄﾞ	7784-33-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic chloride	ヒ化塩素	37226-49-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsino thioxo	二硫化二ヒ素	12044-79-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic sulfide (AsS2)	二硫化ヒ素	56320-22-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic pentoxide	五酸化二砒素	1303-28-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●	●	●	●	●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Arsenic selenide (As2Se3)	ｾﾚﾝ化二ﾋ素	1303-36-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic sulfide	五硫化ﾋ素	12612-21-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic sulfide (As2S4)	四硫化二ﾋ素	12344-68-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic telluride (As2Te3)	ｾﾃﾙﾙ化二ﾋ素	12044-54-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic trichloride	三塩化ﾋ素	60646-36-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic trioxide	三酸化二砒素	1327-53-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●	●	●	●	●												
Arsenic trisulfide	三硫化二ﾋ素	1303-33-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic, elemental	ﾋ素	7440-38-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenopyrite, cobaltoan		12414-94-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, trisodium salt	亜ﾋ酸三ﾅﾄﾘｳﾑ	13464-37-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous trichloride	三塩化ﾋ素	7784-34-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous triiodide	三ﾖｳ化ﾋ素	7784-45-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Barium arsenide (Ba3As2)	ﾋ化ﾊﾞﾘｳﾑ	12255-50-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Benzenediazonium, 3-methyl-4-(1-pyrrolidinyl)-, hexafluoroarsenate(1-)	3-ﾒﾁﾙ-4-(1-ﾋﾟﾛﾘｼﾞﾆﾙ)ﾍﾞﾝｾﾞﾝｼﾞｱｿﾞﾆｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ	27569-09-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Benzenediazonium, 4-(diethylamino)-2-ethoxy-, hexafluoroarsenate(1-)	4-(ｼﾞｴﾁﾙｱﾐﾉ)-2-ｴﾄｷｼﾍﾞﾝｾﾞﾝｼﾞｱｿﾞﾆｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ(1-)	63217-33-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Benzenediazonium, 4-(ethylamino)-2-methyl-, hexafluoroarsenate(1-)	4-(ｴﾁﾙｱﾐﾉ)-2-ﾒﾁﾙﾍﾞﾝｾﾞﾝｼﾞｱｿﾞﾆｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ(1-)	63217-32-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Benzenesulfonic acid, 4-arsenoso-	4-ｱﾙｾﾉｿﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸	71130-51-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Benzenesulfonic acid, 4-arsenoso-, sodium salt	4-ｱﾙｾﾉｿﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ﾅﾄﾘｳﾑ	71130-50-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Boron(1+), bis(2,4-pentanedionato-O,O')-, (T-4)-, hexafluoroarsenate(1-)	ﾋﾞｽ(2, 4-ﾍﾟﾝﾀｼﾞｵﾈｰﾄ-O,O') ﾎｳ素(1+)六ﾌｯ化ﾋ酸(1-)	68892-01-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Calcium arsenate	ﾋ酸ｶﾙｼｳﾑ	10103-62-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Calcium arsenate	ﾋ酸ｶﾙｼｳﾑ	7778-44-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●		●	●													
Calcium arsenide (Ca3As2)	ﾋ化ｶﾙｼｳﾑ (Ca3As2)	12255-53-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Calcium arsenite	亜ﾋ酸ｶﾙｼｳﾑ	52740-16-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Calcium arsenite (2:1)	亜ﾋ酸ｶﾙｼｳﾑ(CaAsO4)	15194-98-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Calcium arsenite (2:3)	亜ﾋ酸ｶﾙｼｳﾑ(Ca3(AsO3)2)	27152-57-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Cobalt arsenide (CoAs)	ﾋ化ｺﾊﾞﾙﾄ	27016-73-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Cobalt arsenide (CoAs2)	ﾋ化ｺﾊﾞﾙﾄ (CoAs2)	12044-42-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Cobalt arsenide (CoAs3)	ﾋ化ｺﾊﾞﾙﾄ (CoAs3)	12256-04-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Copper acetoarsenite	ｱｾﾄ亜ﾋ酸銅	12002-03-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5．List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Copper arsenate	ヒ酸銅(II)(混合)	29871-13-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Copper arsenate hydroxide (Cu2(AsO4)(OH))	ヒ酸水酸化銅(Cu2(AsO4)(OH))	12774-48-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Copper arsenide (Cu3As)	ヒ化銅	12005-75-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Copper arsenite	亜ヒ酸銅	10290-12-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Copper arsenite	亜ヒ酸銅	33382-64-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Copper diarsenite	ﾋﾞｽ((ｵｷｿｱﾙｼﾉ)ｵｷｼ)銅(Ⅱ)	16509-22-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Diarsenic acid	ﾋﾟﾛﾋ酸	13453-15-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Diphenyldiarsenic acid	1,2-ｼﾞﾌｪﾆﾙ-1,2-ｼﾞｱﾙｻｴﾝ	4519-32-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium hydrogen arsenate (Arsenic acid (H3AsO4), disodium salt, heptahydrate)	ヒ酸水素二ﾅﾄﾘｳﾑ七水和物	10048-95-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium hydrogen arsenate (Arsenic acid (H3AsO4), sodium salt (1:2))	ヒ酸水素二ﾅﾄﾘｳﾑ	7778-43-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Dysprosium arsenide (DyAs)	ヒ化ｼﾞｽﾌﾟﾛｼｳﾑ	12005-81-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Erbium arsenide (ErAs)	ヒ化ｴﾙﾋﾞｳﾑ	12254-88-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Europium arsenide (EuAs)	ヒ化ﾕｰﾛﾋﾟｳﾑ(EuAs)	32775-46-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Ferric arsenate	ヒ酸鉄(Ⅲ)	10102-49-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Ferric arsenite	亜ヒ酸第二鉄五水和物	63989-69-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Ferrous arsenate	砒酸第一鉄	10102-50-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Gadolinium arsenide (GdAs)	ヒ化ｶﾞﾄﾞﾘﾆｳﾑ	12005-89-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Gallium arsenide	一ヒ化ｶﾞﾘｳﾑ	1303-00-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●												●	
Gallium arsenide phosphide		106097-61-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Digallium arsenide phosphide	ｶﾞﾘｳﾑヒ素ﾘﾝ(2:1:1)	12044-20-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Gallium zinc triarsenide	三ヒ化ｶﾞﾘｳﾑ亜鉛	98106-56-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Germanium arsenide (GeAs)	ヒ化ｹﾞﾙﾏﾆｳﾑ (GeAs)	12271-72-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Holmium arsenide (HoAs)	ヒ化ﾎﾙﾐｳﾑ	12005-92-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Indium arsenide (InAs)	一ヒ化ｲﾝｼﾞｳﾑ	1303-11-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Iodonium, diphenyl-, hexafluoroarsenate(1-)	ｼﾞﾌｪﾆﾙﾖｳｻﾌﾙｵﾋ酸(1-)ﾖｳ素	62613-15-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Iron arsenide (Fe2As)	ヒ化鉄(1:2)	12005-88-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Iron arsenide (FeAs)	一ヒ化鉄	12044-16-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Iron arsenide (FeAs2)	二ヒ化鉄	12006-21-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Lanthanum arsenide (LaAs)	ヒ化ﾗﾝﾀﾝ	12255-04-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Lithium arsenide (Li3As)	ヒ化ﾘﾁｳﾑ	12044-22-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Lutetium arsenide (LuAs)	ヒ化ﾙﾃﾆｳﾑ	12005-94-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Magnesium arsenate	ヒ酸ﾏｸﾞﾈｼｳﾑ	10103-50-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Magnesium arsenide (Mg3As2)	ヒ化ﾏｸﾞﾈｼｳﾑ	12044-49-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Manganese arsenide (Mn2As)	ヒ化ﾏﾝｶﾞﾝ (Mn2As)	12005-96-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Manganese arsenide (MnAs)	一ヒ化ﾏﾝｶﾞﾝ	12005-95-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Manganese hydrogenarsenate	酸性ヒ酸ﾏﾝｶﾞﾝ	7784-38-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Metaarsenic acid	ﾒﾀヒ酸	10102-53-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Methylium, triphenyl-, hexafluoroarsenate(1-)	ﾄﾘﾌｪﾆﾙﾒﾁﾘｳﾑ-,ﾍｷｻﾌﾙｵﾛｱﾙｾｰﾄ(1-)	437-15-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
N-(p-Arsenosophenyl)-1,3,5-triazine-2,4,6-triamine	N-(p-ｱﾙｾﾉｿﾌｪﾆﾙ)-1,3,5-ﾄﾘｱｼﾞﾝ-2,4,6-ﾄﾘｱﾐﾝ	21840-08-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Neodymium arsenide (NdAs)	ヒ化ﾈｵｼﾞﾑ	12255-09-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Nickel arsenide (NiAs)	一ヒ化ﾆｯｹﾙ	27016-75-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Nickel diarsenide	ヒ化ﾆｯｹﾙ;二ヒ化ﾆｯｹﾙ	12068-61-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Niobium arsenide (NbAs)	ヒ化ﾆｵﾌﾞ	12255-08-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Platinum arsenide (PtAs2)	ヒ化ﾌﾟﾗﾁﾅ	12044-52-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Potassium arsenate	ヒ酸ｶﾘｳﾑ	7784-41-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Potassium arsenide (K3As)	ヒ化ｶﾘｳﾑ	12044-21-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Potassium arsenite	亜ヒ酸ｶﾘｳﾑ(AsH3O3 xK)	10124-50-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Potassium arsenite	亜ヒ酸ｶﾘｳﾑ(AsH3O3 xK)	13464-35-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Praseodymium arsenide (PrAs)	ヒ化ﾌﾟﾗｾｵｼﾞﾑ	12044-28-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Rammelsbergite (NiAs2)	ヒ化ﾆｯｹﾙ(NiAs2)	1303-22-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Samarium arsenide (SmAs)	ヒ化ｻﾏﾘｳﾑ	12255-39-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Silicic acid (H4SiO4), tetraethyl ester, polymer with arsenic oxide(As2O3)	酸化ヒ素(As2O3)によるﾎﾟﾘﾏｰのｹｲ酸(H4SiO4)ﾃﾄﾗｴﾁﾙｴｽﾃﾙ	68957-75-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Silicon(1+), tris(2,4-pentanedionato-O,O')-, (OC-6-11)-, hexafluoroarsenate(1-)	ﾄﾘｽ(2, 4-ﾍﾟﾝﾀﾝｼﾞｵﾅﾄ-O,O')ｹｲ素(1-)ﾍｷｻﾌﾙｵﾛﾋ酸(1-)	67251-38-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Silver arsenide (Ag2As)	ヒ化銀 (Ag2As)	70333-07-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium arsenate	ヒ酸二水素ﾅﾄﾘｳﾑ	7631-89-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium arsenide (Na3As)	ヒ化ﾅﾄﾘｳﾑ	12044-25-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium arsenite	ﾒﾀ亜ヒ酸ﾅﾄﾘｳﾑ	7784-46-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium metaarsenate	ｱﾙｾﾝ酸ﾅﾄﾘｳﾑ	15120-17-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Strontium arsenide (Sr3As2)	ｽﾄﾛﾝﾁｳﾑｱﾙｾﾆﾄﾞ (Sr3As2)	39297-24-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Strontium arsenite	亜ヒ酸ｽﾄﾛﾝﾁｳﾑ	15195-06-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Strontium arsenite	亜ヒ酸ｽﾄﾛﾝﾁｳﾑ	91724-16-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Strychnidin-10-one, arsenite (1:1)	ｽﾄﾘｷﾆｼﾞﾝ-10-ｵﾝ,亜ヒ酸塩(1:1)	100258-44-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Strychnine arsenate	ｽﾄﾘｷﾆｼﾞﾝ,ヒ酸	10476-82-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sulfonium, triphenyl-, hexafluoroarsenate(1-)	ﾄﾘﾌｪﾆﾙｽﾙﾎﾆｳﾑﾍｷｻﾌﾙｵﾛｱﾙｾﾚｲﾄ	57900-42-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Terbium arsenide (TbAs)	ﾋ化ﾃﾙﾋﾞｳﾑ	12006-08-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Thallium arsenide (TlAs)	ﾋ化ﾀﾘｳﾑ	12006-09-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Thallium triarsenide	三ヒ化ﾀﾘｳﾑ	84057-85-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Thulium arsenide (TmAs)	ﾋ化ﾂﾘｳﾑ	12006-10-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Triammonium arsenate	ﾋ酸ﾄﾘｱﾝﾓﾆｳﾑ	24719-13-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Triethyl arsenate	ﾋ酸ﾄﾘｴﾁﾙ	15606-95-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●		●											●			
Triethyl arsenite	ﾄﾘｴﾄｷｼ砒素	3141-12-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Trimanganese arsenide	ﾋ化三ﾏﾝｶﾞﾝ	61219-26-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Trinickel bis(arsenate)	ﾋ酸,ﾆｯｹﾙ	13477-70-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tris[(8a)-6'-methoxycinchonan-9(R)-ol] arsenite	ﾄﾘｽ((8a)-6'-ﾒﾄｷｼｼﾝｺﾅﾝ-9(R)-ｵｰﾙ) 亜ヒ酸塩	94138-87-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tris[(8a,9R)-6'-methoxycinchonan-9-ol] bis(arsenate)	ﾄﾘｽ((8a,9R)-6'-ﾒﾄｷｼｼﾝｺﾅﾝ-9-ｵｰﾙ) ﾋﾞｽ(亜ヒ酸塩)	549-59-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Vanadium(4+) diarsenate (1:1)	二ヒ酸ﾊﾞﾅｼﾞｳﾑ(IV)(1:1)	99035-51-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Ytterbium arsenide (YbAs)	ﾋ化ｲｯﾃﾙﾋﾞｳﾑ	12006-12-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Yttrium arsenide (YAs)	ﾋ化ｲｯﾄﾘｳﾑ	12255-48-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Zinc arsenenate oxide (Zn5(AsO3)4O3), tetrahydrate	ﾋ酸亜鉛	1303-39-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), zinc salt (2:3)	ﾋ酸亜鉛	13464-44-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Zinc arsenide (Zn3As2)	二ヒ化三亜鉛	12006-40-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Zinc arsenide (ZnAs2)	2砒化1亜鉛	12044-55-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Zinc arsenite	亜ヒ酸亜鉛	10326-24-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Zirconium arsenide (ZrAs)	ﾋ化ｼﾞﾙｺﾆｳﾑ	60909-47-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsorous acid	ﾋ酸	13464-58-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsin	ｱﾙｼﾝ	7784-42-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Diphenoxarsin-10-yloxid	ﾋﾞｽ(10H-ﾌｪﾉｷｻﾙｼﾝ-10-ｲﾙ)ｴｰﾃﾙ	58-36-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Trisilverarsenite	亜ヒ酸銀	7784-08-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Oxophenarsine		306-12-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Methyltriphenylarsonium iodide		1499-33-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
2,7-(bis(2-arsonophenylazo))-1,8-dihydroxynaphthalene-3,6-disulphonic acid		1668-00-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
2-aminophenylarsonic acid		2045-00-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Oxophenarsine hydrochloride		538-03-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Triphenylarsine		603-32-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sulfarsphenamine		618-82-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Phenylarsine oxide		637-03-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Trifluoroarsine		7784-35-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Pentafluoroarsorane		7784-36-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Pentahydroxyarsorane		7786-36-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Flue dust, arsenic-contg.		8028-73-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium 3-[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		3547-38-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium 4-[(o-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonate		3688-92-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
2-nitrophenylarsonic acid		5410-29-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Neoarsphenamine		457-60-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Dimethylarsinic acid		75-60-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●												●	
Phenylarsonic acid		98-05-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
4-hydroxyphenylarsonic acid		98-14-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsanilic acid		98-50-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Nitarsone		98-72-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Roxarsone		121-19-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium dimethylarsinate		124-65-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium hydrogen 4-aminophenylarsonate		127-85-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Antimony oxide (Sb2O3), mixed with arsenic oxide (As2O3)		68951-38-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Flue dust, lead-refining		69029-67-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium 3,6-bis[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		62337-00-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Cobalt arsenide		65453-05-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Slimes and Sludges, copper refining		67712-00-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Silicic acid (H4SiO4), zinc salt (1:2), arsenic and manganese-doped		68611-46-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
ARSENIC(V) OXIDE HYDRATE		12044-50-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), monocesium salt		16331-85-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium cacodylate trihydrate		6131-99-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5. List of NSK Environmentally Harmful Substances (details)

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2,4,6,8,9,10-Hexaoxa-1,3,5,7-tetraarsatricyclo[3.3.1.13,7]decane		12505-67-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
tris(trimethylsilyl)arsine		17729-30-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), copper(2+) salt (2:3), tetrahydrate		13478-34-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), monosodium salt		10103-60-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Diarsenic acid, sodium salt		13464-42-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), zinc salt (1:1)		13464-33-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
potassium dimethylarsinate		21416-85-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
thallium arsenic selenide		16142-89-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
3-[(dimethylcarbamothioyl)thio]-N,N,6-trimethyl-1,5-bis(thioxo)-2,4-dithia-6-aza-3-arsaheptan-1-amine; asomate		3586-60-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich		100995-81-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.		102110-62-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsonic acid, [4-[[4-(dimethylamino)phenyl]azo]phenyl]-, monohydrochloride		73688-85-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tetraphenylarsonium Chloride Hydrochloride Hydrate		123334-18-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium hexafluoroarsenate(V)		12005-86-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Silver hexafluoroarsenate		12005-82-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, ammonium copper salt		94854-78-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, ammonium zinc salt		94854-80-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
ARSENIC ACID (H3ASO4), HEMIHYDRATE		7774-41-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsonic acid, methyl-, calcium salt (1:1)		6423-72-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, tricopper(1+) salt, ammoniated		37337-11-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic tetrasulfide		56729-51-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsonic acid, monoammonium salt		54058-01-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tetraarsenic trisulfide		12512-13-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic(5) hexafluoride		16973-45-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic tetrachloride fluoride		87198-15-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsonic acid, lead(2+) salt (1:1)		109882-46-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Arsenic sulfide (As2S5)		1303-34-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic oxide		12777-38-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), ammonium salt (2:1)		127795-79-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Nickel arsenide		12795-30-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, lead(2+) salt (1:1)		100822-74-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), copper(2+) salt (4:1)		102525-64-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
4-Aminophenylarsenoxide		1122-90-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Magnesium arsenate, decahydrate		117746-50-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Boron arsenide (BAs)		12005-69-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Boron arsenide (B6As)		12005-70-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), lead(2+) salt (2:3), tetrahydrate		120119-64-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tin arsenide (SnAs)		12044-32-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tetraarsenic tetrasulfide		12279-90-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, antimony(3+) salt (1:1)		12523-20-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic selenide		12626-31-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), monopotassium salt, 1/5hydrate		164170-84-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tripotassium arsenate 3/2hydrate		62702-52-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tin arsenide (Sn4As3)		12397-66-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
(2-Chloroethenyl)arsonous dichloride		541-25-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Zinc arsenide		56450-43-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, iron(3+) salt (1:1)		60168-33-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium oxidoarsonous acid		60189-99-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Gallium arsenic phosphide		60953-19-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Strontium arsenide (SrAs3)		61462-16-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
(4-((2-Amino-2-oxoethyl)amino)phenyl)arsonic acid		618-25-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Arsonic acid, methyl-, compd. with 1-octanamine (1:1)		6379-37-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Silicic acid (H4SiO4), magnesium manganese(2+) zinc salt, arsenic and lead-doped		68784-76-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, silver(1+) salt		69507-43-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, copper(2+) salt, hydrate, (2:3:3)		73156-86-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, neodymium(3+) salt		76871-63-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, lutetium(3+) salt		76871-65-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, cadmium neodymium(3+) salt (5:1:1)		76871-66-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), copper(2+) salt (2:3)	t酸銅(Ⅱ)(Cu3(AsO4)2)	76407-89-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, cesium salt		82005-78-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, mercury(2+) salt		82980-40-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, antimony(3+) salt		83877-96-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, cadmium salt		84953-43-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, cobalt(2+) salt		85561-28-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, manganese(2+) salt		85561-29-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, rubidium salt		85906-44-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), calcium salt (7:10)		85949-61-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, praseodymium(3+) salt		86859-92-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, cerium(3+) salt		86859-93-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), copper(2+) salt (1:1), sesquihydrate		88442-64-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), copper(2+) salt (4:5)		89054-01-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), lead(2+) salt (4:5)		89054-03-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), calcium salt (4:5)		89067-81-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, titanium salt		92278-94-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsonic acid, tin salt		93080-00-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
4-[(2-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonic acid		132-33-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Trisodium 4-[(o-arsonophenyl)azo]-3-oxidonaphthalene-2,7-disulphonate		53669-45-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Acetarsol sodium		55588-51-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tetraphenylarsonium (hydrogen dichloride)		21006-73-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Methylenebis(diphenylarsine)		21892-63-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Diphenylarsinecarbonitrile		23525-22-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Bis[(2-diphenylarsinoethyl)phenyl]phosphine		23582-05-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
[2-(diphenylarsino)ethyl]diphenylphosphine		23582-06-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tetraphenylarsonium chloride, compound with hydrochloric acid (1:1)		73003-83-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Strychnidin-10-one, compd. with methylarsonate (1:1)		80879-64-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Methyl 17α-hydroxyyohimban-16α-carboxylate, methylarsonate (1:1)		80925-03-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium 3,6-bis[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		84215-47-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium 3-[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		84215-48-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
3-formamido-4-hydroxyphenylarsonic acid		60154-16-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Bromo(hydroxytetraphenylarsoranato)magnesium		63468-73-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Trisodium 3-[(o-arsonatophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		66019-20-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Leucomycin V, 9-O-[5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl]-, [9(5S,6R)]-, [1,2-ethanediylbis(imino-4,1-phenylene)]bis[arsonate] (1:1) (salt)		93841-79-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
(diphenylarsino)dimethylgallium		94113-53-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
(4-aminophenyl)arsonic acid, compound with piperazine (1:1)		94232-26-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium hydrogen allylarsonate		94278-22-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium p-tolylarsonate		94313-58-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Dibismuth tris(methylarsonate)		85237-42-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenazo III sodium		138608-19-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
(Carboxymethyl)trimethylarsonium hydroxide inner salt		64436-13-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Calcium arsenate (CaHAsO4) (6CI,7CI)		15195-00-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsine, dichloromethyl-		593-89-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
o-phenylenebis(dimethylarsine)		13246-32-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Melarsonyl potassium		13355-00-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Thiobis[methylarsine], anhydrosulphide		13367-92-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), copper(2+) salt (1:1)		13464-31-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid, tripotassium salt		13464-36-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid, calcium salt (1:2)		13464-39-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsonic acid, disodium salt		13466-06-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Boron arsenate		13510-31-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Zinc arsenate, octahydrate		13510-72-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid		13768-07-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Calcium arsenate fluoride		17068-86-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic chloride (AsCl)		17522-78-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), magnesium salt (2:3)		21480-65-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic pentachloride		22441-45-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, gallium salt (1:1)		24343-41-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Manganese arsenate		27526-45-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, zinc salt (2:3)		28837-97-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), cobalt(2+) salt		29871-10-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
arsenic acid (H3AsO4), calcium salt(2:3), dihydrate		30621-31-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsine oxide, dichloro(2-chlorovinyl)-		333-25-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic acid (H3AsO4), lead(4+) salt (2:1), monohydrate		33940-95-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsonic acid, methyl-, iron salt (9CI)		33972-75-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenenous acid, nickel(2+) salt		33992-49-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenous acid, tripotassium salt		36267-15-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsonate		36465-76-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

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Iron arsenide		39310-41-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsine, bis(2-chlorovinyl)chloro-		40334-69-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsine, tris(2-chloroethenyl)-		40334-70-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsenic chloride (AsCl2)		41996-37-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium hydrogen [4-[(hydroxyacetyl)amino]phenyl]arsonate		140-45-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium methylarsonate		144-21-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
4-(glycolloylamino)phenylarsonic acid		144-87-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
o-phenylenediarsonic acid		1758-48-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium p-[[4-[3-(2-arsono-4-nitrophenyl)triazen-1-yl]phenyl]azo]benzenesulphonate		1772-02-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
3-amino-4-hydroxyphenylarsonic acid		2163-77-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium methylarsonate		2163-80-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
10-chloro-10H-phenoxarsine		2865-70-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tri-p-tolylarsine		2896-10-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Trisodium 2-(-hydrogen arsonatophenylazo)-1,8-dihydroxynaphthalene-3,6-disulphonate		520-10-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Acetarsol--diethylamine (1:1)		534-33-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tryparsamide		554-72-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
10-chloro-5,10-dihydrophenarsazine		578-94-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium hydrogen [4-(acetamido)phenyl]arsonate		585-54-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Allylarsonic acid		590-34-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Methyloxoarsine		593-58-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Trimethylarsine		593-88-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Dichloro(ethyl)arsine		598-14-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Triethylarsine		617-75-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
4-acetamidophenylarsonic acid		618-22-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
4-(4-dimethylaminophenylazo)phenylarsonic acid		622-68-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Iododimethylarsine		676-75-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Dichloro(phenyl)arsine		696-28-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Chlorodiphenylarsine		712-48-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Diphenylarsine		829-83-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Methyl 1,2,5,6-tetrahydro-1-methylnicotinate, mono[(3-acetamido-4-hydroxyphenyl)arsonate]		900-77-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Methyldiphenylarsine		945-48-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Triphenylarsine oxide		1153-05-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium 4-(glycolloylamino)phenylarsonate		7681-83-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Strychnine dimethylarsinate		10476-87-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium [4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonate		3599-28-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Difetarsone		3639-19-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulpho-2-naphthyl]azo]benzoic acid		3772-44-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
p-tolylarsonic acid		3969-54-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Ethylenebis(diphenylarsine)		4431-24-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
10-[(dimethylthiocarbamoyl)thio]-5,10-dihydrophenarsazine		4808-24-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
4-(2-chloroacetamido)phenylarsonic acid		5425-62-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
4-chlorophenylarsonic acid		5440-04-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Calcium bis(dimethylarsinate)		5785-43-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
[4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonic acid		5806-89-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium hydrogen (3-acetamido-4-hydroxyphenyl)arsonate		5892-48-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Calcium bis(methylarsonate)		5902-95-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Iron tris(dimethylarsinate)		5968-84-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Diiodo(phenyl)arsine		6380-34-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Sodium p-arsonobenzenesulphonate		6634-88-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
4-(4-aminophenylazo)phenylarsonic acid		6966-64-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium hydrogen 2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulphonato-2-naphthyl]azo]benzoate		14674-83-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
2,2'-[ethylenebis(oxy)]bis[1,3,2-dioxarsolane]		14849-23-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Chlorotris(triphenylarsine)rhodium		14973-92-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Proustite (Ag3(AsS3))		15122-58-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tetramethyldiarsine		471-35-2	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Melarsoprol		494-79-1	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tetraphenylarsonium bromide		507-27-7	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Tetraphenylarsonium chloride		507-28-8	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Difetarsone disodium		515-76-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Acetarsol		97-44-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Propylarsonic acid		107-34-6	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Glycobiarsol		116-49-4	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Arsthinol		119-96-0	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Carbarsone		121-59-5	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Methylarsonic acid		124-58-3	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Disodium arsonoacetate		126-82-9	Prohibited	REACH restricted use (hull pollution prevention, wood preservation)	Intentionally added	●			●													
Asbestos fibers, all members	アスベスト繊維、全て		Prohibited			●																
Asbestos, actinolite	石綿(ｱｸﾁﾉﾗｲﾄ)	77536-66-4	Prohibited	All applications and products	Intentionally added	●	●		●							●			●			●
Asbestos, amosite	石綿(ｱﾓｻｲﾄ)	12172-73-5	Prohibited	All applications and products	Intentionally added	●	●		●							●			●			●
Asbestos, anthophylite	石綿(ｱﾝｿﾌｨﾗｲﾄ)	77536-67-5	Prohibited	All applications and products	Intentionally added	●	●		●							●			●			●
Asbestos, chrysotile	石綿(ｸﾘｿﾀｲﾙ)	12001-29-5	Prohibited	All applications and products	Intentionally added	●	●		●							●			●			●
Asbestos, crocidolite	石綿(ｸﾛｼﾄﾞﾗｲﾄ)	12001-28-4	Prohibited	All applications and products	Intentionally added	●	●		●							●			●			●
Asbestos, Tremolite	石綿(ﾄﾚﾓﾗｲﾄ)	77536-68-6	Prohibited	All applications and products	Intentionally added	●	●		●							●			●			●

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Asbestos minerals, all members	ｱｽﾍﾞｽﾄ鉱物、全て		Prohibited			●																
Asbestos	ｱｽﾍﾞｽﾄ	1332-21-4	Prohibited	All applications and products	Intentionally added	●	●									●						●	
Actinolite	ｱｸﾁﾉﾗｲﾄ	13768-00-8	Prohibited	All applications and products	Intentionally added	●																	●
Tremolite	ﾄﾚﾓﾗｲﾄ(ﾌｧｲﾊﾞｰ/ｱｽﾍﾞｽﾄ)	14567-73-8	Prohibited	All applications and products	Intentionally added	●																	●
Anthophyllite	ｱﾝｿﾌｨﾗｲﾄ	17068-78-9	Prohibited	All applications and products	Intentionally added	●																	●
Actinolite	ｱｸﾁﾉﾗｲﾄ	12172-67-7	Prohibited	All applications and products	Intentionally added	●																	●
Chrysotile	蛇紋石石綿（ｸﾘｿﾀｲﾙ）	132207-32-0	Prohibited	All applications and products	Intentionally added	●														●			●
Azodyes that can form carcinogenic amines, selected	発がん性アミンを生成する可能性のあるアゾ染料、抜粋		Prohibited			●																	
C.I. Acid Black 29	C.I.ｱｼｯﾄﾞﾌﾞﾗｯｸ29	12217-14-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Black 94, C.I.30336	C.I.ｱｼｯﾄﾞﾌﾞﾗｯｸ94、C.I.30336	6358-80-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Black 131	C.I.ｱｼｯﾄﾞﾌﾞﾗｯｸ131	12219-01-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Black 132	C.I. ｱｼｯﾄﾞﾌﾞﾗｯｸ 132	12219-02-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Black 209	C.I. ｱｼｯﾄﾞﾌﾞﾗｯｸ 209	72827-68-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Brown 415	C.I. ｱｼｯﾄﾞﾌﾞﾗｳﾝ415	97199-27-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Orange 45, C.I.22195	C.I.ｱｼｯﾄﾞｵﾚﾝｼﾞ45、C.I.22195	2429-80-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Red 4, C.I.14710	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ4、C.I.14710	5858-39-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Red 5, C.I.14905	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ5、C.I.14905	5858-63-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Red 24, C.I.16140	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ24、C.I.16140	5858-30-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Red 35, C.I.18065	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ35、C.I.18065	6441-93-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Red 85, C.I.22245	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ85、C.I.22245	3567-65-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Red 104, C.I.26420	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ104、C.I.26420	8006-06-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Red 114, C.I.23635	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ114、C.I.23635	6459-94-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																●	
C.I. Acid Red 115, C.I.27200	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ115、C.I.27200	8005-61-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Red 116, C.I.26660	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ116、C.I.26660	6245-62-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	
C.I. Acid Red 119:1	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ119:1	90880-75-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																	

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C.I. Acid Red 128, C.I.24125	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ128､C.I.24125	6548-30-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Acid Red 148, C.I.26665	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ148､C.I.26665	6300-53-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Acid Red 150, C.I.27190	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ150､C.I.27190	6226-78-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Acid Red 158, C.I.20530	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ158､C.I.20530	8004-55-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Acid Red 167	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ 167	61901-41-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Acid Red 264, C.I.18133	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ264､C.I.18133	6505-96-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Acid Red 265, C.I.18129	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ265､C.I.18129	6358-43-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Acid Violet 12, C.I.18075	C.I.ｱｼｯﾄﾞﾊﾞｲｵﾚｯﾄ12､C.I.18075	6625-46-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Basic Brown 4, C.I.21010	C.I.ﾍﾞｰｼｯｸﾌﾞﾗｳﾝ4､C.I.21010	5421-66-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Basic Red 42	C.I.ﾍﾞｰｼｯｸﾚｯﾄﾞ42	12221-66-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Basic Red 76, C.I.12245	C.I.ﾍﾞｰｼｯｸﾚｯﾄﾞ76､C.I.12245	68391-30-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Basic Red 111	C.I.ﾍﾞｰｼｯｸﾚｯﾄﾞ 111	118658-98-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Yellow 82		12227-67-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Black 4, C.I.30245	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ4､C.I.30245	2429-83-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Black 29, C.I.22580	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ29､C.I.22580	3626-23-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Black 38, C.I.30235	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ38､C.I.30235	1937-37-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●	●	●											●		●	
C.I. Direct Black 154	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ154	37372-50-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 1, C.I.24410	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ1､C.I.24410	2610-05-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 2, C.I.22590	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ2､C.I.22590	2429-73-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 3, C.I.23705	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ3､C.I.23705	2429-72-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 6, C.I.22610	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ6､C.I.22610	2602-46-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●														●		●	
C.I. Direct Blue 8, C.I.24140	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ8､C.I.24140	2429-71-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 9, C.I.24155	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ9､C.I.24155	6428-98-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
C.I. Direct Blue 10, C.I.24340	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ10、C.I.24340	4198-19-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 14, C.I.23850	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ14、C.I.23850	72-57-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●															●	
C.I. Direct Blue 15, C.I.24400	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ15、C.I.24400	2429-74-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●															●	
C.I. Direct Blue 21, C.I.23710	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ21、C.I.23710	6420-09-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 22, C.I.24280	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ22、C.I.24280	2586-57-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 25, C.I.23790	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ25、C.I.23790	2150-54-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 35, C.I.24145	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ35、C.I.24145	6473-33-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 151, C.I.24175	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ151、C.I.24175	110735-25-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 160	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ160	12222-02-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 173	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ 173	12235-72-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 192	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ 192	71838-51-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 215, C.I.24415	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ215、C.I.24415	6771-80-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Blue 295, C.I.23820	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ295、C.I.23820	6420-22-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 1, C.I.30045	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ1、C.I.30045	3811-71-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 1:2, C.I.30110	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ1:2、C.I.30110	2586-58-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 2, C.I.22311	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ2、C.I.22311	2429-82-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 6, C.I.30140	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ6、C.I.30140	2893-80-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 25, C.I.36030	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ25、C.I.36030	33363-87-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 27, C.I.31725	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ27、C.I.31725	6360-29-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 31, C.I.35660	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ31、C.I.35660	2429-81-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 33, C.I.35520	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ33、C.I.35520	1324-87-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 51, C.I.31710	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ51、C.I.31710	4623-91-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 59, C.I.22345	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ59、C.I.22345	3476-90-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
C.I. Direct Brown 74, C.I.36300	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ74､C.I.36300	8014-91-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 79, C.I.30050	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ79､C.I.30050	6483-77-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 95, C.I.30145	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ95､C.I.30145	16071-86-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●														●		●	
C.I. Direct Brown 101, C.I.31740	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ101､C.I.31740	3626-29-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 154, C.I.30120	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ154､C.I.30120	6360-54-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 222, C.I.30368	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ222､C.I.30368	64743-15-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Brown 223	C.I.ﾀﾞｲﾚｸﾄ ﾌﾞﾗｳﾝ 223	76930-14-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Green 1, C.I.30280	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ1､C.I.30280	3626-28-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Green 6, C.I.30295	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ6､C.I.30295	4335-09-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Green 8, C.I.30315	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ8､C.I.30315	5422-17-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Green 8:1	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ8:1	76012-70-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Green 85, C.I.30387	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ85､C.I.30387	72390-60-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Orange 1, C.I.22370	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ1､C.I.22370	54579-28-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Orange 6	ｼｰｱｲﾀﾞｲﾚｸﾄ ｵﾚﾝｼﾞ6	6637-88-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Orange 7, C.I.23380	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ7､C.I.23380	2868-76-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Orange 8, C.I.22130	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ8､C.I.22130	2429-79-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Orange 10, C.I.23370	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ10､C.I.23370	6405-94-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Orange 108, C.I.29173	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ108､C.I.29173	6358-79-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 1, C.I.22310	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ1､C.I.22310	2429-84-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 2, C.I.23500	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ2､C.I.23500	992-59-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 7, C.I.24100	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ7､C.I.24100	2868-75-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 10, C.I.22145	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ10､C.I.22145	2429-70-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 13, C.I.22155	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ13､C.I.22155	1937-35-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																

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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
C.I. Direct Red 17, C.I.22150	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ17、C.I.22150	2769-07-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 21, C.I.23560	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ21、C.I.23560	6406-01-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 22, C.I.23565	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ22、C.I.23565	6448-80-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 24, C.I.29185	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ24、C.I.29185	6420-44-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 26, C.I.29190	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ26、C.I.29190	3687-80-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 28, C.I.22120	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ28、C.I.22120	573-58-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●	●	●												●		
C.I. Direct Red 37, C.I.22240	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ37、C.I.22240	3530-19-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 39, C.I.23630	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ39、C.I.23630	6358-29-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 44, C.I.22500	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ44、C.I.22500	2302-97-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 46, C.I.23050	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ46、C.I.23050	6548-29-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 62, C.I.29175	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ62、C.I.29175	6420-43-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 67, C.I.23505	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ67、C.I.23505	6598-56-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Red 72, C.I.29200	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ72、C.I.29200	8005-64-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Violet 1, C.I.22570	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ1、C.I.22570	2586-60-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Violet 4, C.I.22555	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ4、C.I.22555	6472-95-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Violet 12, C.I.22550	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ12、C.I.22550	2429-75-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Violet 13, C.I.2480	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ13、C.I.2480	13478-92-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Violet 21, C.I.23520	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ21、C.I.23520	6470-45-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Violet 22, C.I.22480	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ22、C.I.22480	6426-67-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Yellow 1, C.I.22250	C.I.ﾀﾞｲﾚｸﾄｲｴﾛｰ1、C.I.22250	6472-91-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Yellow 24, C.I.22010	C.I.ﾀﾞｲﾚｸﾄｲｴﾛｰ24、C.I.222010	6486-29-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Direct Yellow 48, C.I.23660	C.I.ﾀﾞｲﾚｸﾄｲｴﾛｰ48、C.I.23660	6459-97-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Disperse Orange 60	C.I.ﾃﾞｨｽﾊﾟｰｽｵﾚﾝｼﾞ60	12270-44-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
C.I. Disperse Orange 149	C.I.ﾃﾞｨｽﾊﾟｰｽｵﾚﾝｼﾞ 149	151126-94-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Disperse Red 151, C.I.26130	C.I.ﾃﾞｨｽﾊﾟｰｽﾚｯﾄﾞ151､C.I.26130	61968-47-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Disperse Red 221	C.I.ﾃﾞｨｽﾊﾟｰｽﾚｯﾄﾞ221	64426-35-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Disperse Yellow 7, C.I.26090	C.I.ﾃﾞｨｽﾊﾟｰｽｲｴﾛｰ7､C.I.26090	6300-37-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Disperse Yellow 23, C.I.26070	C.I.ﾃﾞｨｽﾊﾟｰｽｲｴﾛｰ23､C.I.26070	6250-23-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Disperse Yellow 56	C.I.ﾃﾞｨｽﾊﾟｰｽ ｲｴﾛｰ 56	54077-16-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Disperse Yellow 218	C.I.ﾃﾞｨｽﾊﾟｰｽｲｴﾛｰ 218	83929-90-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Mordant Yellow 16	C.I.ﾓﾙﾀﾞﾝﾄｲｴﾛｰ16	8003-87-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Red 1, C.I.12150	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ1､C.I.12150	1229-55-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Red 19, C.I.26050	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ19､C.I.26050	6368-72-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Red 23, C.I.26100	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ23､C.I.26100	85-86-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Red 24, C.I.26105	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ24､C.I.26105	85-83-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Red 26, C.I.26120	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ26､C.I.26120	4477-79-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Red 68	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ 68	61813-90-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Red 69, C.I.27290	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ69､C.I.27290	5413-75-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Red 164	ｼｰｱｲｿﾙﾍﾞﾝﾄﾚｯﾄﾞ 164	71819-51-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Red 215	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ215	85203-90-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
C.I. Solvent Yellow 72	C.I.ｿﾙﾍﾞﾝﾄｲｴﾛｰ72	4645-07-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●																
Trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-)		118685-33-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	●			●													
Barium compounds (organic or water soluble), selected	バリウム化合物（有機または水溶性）、抜粋		Observation			●																
Barium	ﾊﾞﾘｳﾑ	7440-39-3	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium 2-(2-hydroxy-3,6-disulphonato-1-naphthyl)azo benzoate (3:2)	ﾋﾞｸﾞﾒﾝﾄﾚｯﾄﾞ60:1	15782-06-6	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium 4- (5-chloro-4-methyl-2-sulphonatophenyl)azo -3-hydroxy-2-naphthoate	ﾋﾞｸﾞﾒﾝﾄﾚｯﾄﾞ48:1	7585-41-3	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Barium 4-(1,1-dimethylethyl)benzoate	ﾊﾞﾗﾀｰｼｬﾘﾌﾞﾁﾙ安息香ﾊﾞﾘｳﾑ	10196-68-6	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium bis 5-chloro-4-ethyl-2- (2-hydroxy-1-naphthyl)azo benzenesulp...	ﾊﾞﾘｳﾑﾋﾞｽ 5-ｸﾛﾛ-4-ｴﾁﾙ-2- (2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ)ｱｿﾞﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸..	67801-01-8	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium bis(2-ethylhexanoate)	ﾊﾞﾘｳﾑﾋﾞｽ(2-ｴﾁﾙﾍｷｻﾝ酸)	2457-01-4	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium bis(dinonylnaphthalenesulphonate)	ﾊﾞﾘｳﾑﾋﾞｽ(ｼﾞﾉﾆﾙﾅﾌﾀﾚﾝｽﾙﾎﾝ酸)	25619-56-1	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium bis(nonylphenolate)	ｱﾙｷﾙ(C=4～ 12)ﾌｪﾉｰﾙ塩(Ba,Cd,C	28987-17-9	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium distearate	ｽﾃｱﾘﾝ酸ﾊﾞﾘｳﾑ	6865-35-6	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium oxide, obtained by calcining witherite	酸化ﾊﾞﾘｳﾑ	1304-28-5	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium(2+) hydrogen 2- (2-hydroxy-3,6-disulphonato-1-naphthyl)azo benzoate	2-((2-ﾋﾄﾞﾛｷｼ-3,6-ｼﾞｽﾙﾎ-1-ﾅﾌﾁﾚﾆﾙ)ｱｿﾞ]安息香酸,2ﾊﾞﾘｳﾑ	1325-16-2	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-chlorate	塩素酸ﾊﾞﾘｳﾑ	13477-00-4	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-chloride	塩化ﾊﾞﾘｳﾑ	10361-37-2	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-cyanide	ｼｱﾝ化ﾊﾞﾘｳﾑ	542-62-1	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-dilaurate	ﾗｳﾘﾝ酸ﾊﾞﾘｳﾑ	4696-57-5	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-dioleate	ｼﾞｵﾚｲﾝ酸ﾊﾞﾘｳﾑ	591-65-1	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-fluoride	ﾌｯ化ﾊﾞﾘｳﾑ	7787-32-8	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-hydroxide	水酸化ﾊﾞﾘｳﾑ無水物	17194-00-2	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-hydroxide-octahydrate	水酸化ﾊﾞﾘｳﾑ八水和物	12230-71-6	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-neodecanoate	ﾈｵﾃﾞｶﾝ酸ﾊﾞﾘｳﾑ	55172-98-0	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-nitrate	硝酸ﾊﾞﾘｳﾑ	10022-31-8	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-perchlorate	過塩素酸ﾊﾞﾘｳﾑ	13465-95-7	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●	●															
Barium-permanganate	過ﾏﾝｶﾞﾝ酸ﾊﾞﾘｳﾑ	7787-36-2	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-peroxide	過酸化ﾊﾞﾘｳﾑ	1304-29-6	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Barium-sebacate	ｾﾊﾞｼﾝ酸ﾊﾞﾘｳﾑ	19856-32-7	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																
Naphthenic acid, Barium salts	ﾅﾌﾃﾝ酸ﾊﾞﾘｳﾑ塩	61789-67-1	Observation	All applications and products	Relative to the weight of component parts and materials 10000	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzene	ベンゼン					●																
Benzene		71-43-2	Observation	Fuel	Concentration in fuel 10000	●			●							●						●	
Benzene, 1-(1,1-dimethylethyl)-3,5-dimethyl-2,4,6-trinitro- (Musk xylene)	2,4,6-ﾄﾘﾆﾄﾛ-5-ｾｰﾌﾞﾁﾙ-1,3-ｷｼﾚﾝ(ﾑｽｸｷｼﾚﾝ)	81-15-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●					●								
Benzene-1,2,4-tricarboxylic acid 1,2-anhydride		552-30-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
1,4-Benzenediamine, N,N' -mixed phenyl and tolyl derivs	1,4-ﾍﾞﾝｾﾞﾝｼﾞｱﾐﾝ	68953-84-4	Prohibited	All applications and products	Intentionally added	●							●										
N, N'-di-4-tolyl-1,4-phenylenediamine	N,N'-ｼﾞ-4-ﾄﾘﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	620-91-7	Prohibited	All applications and products	Intentionally added	●							●										
N, N'-di-2-tolyl-1,4-phenylenediamine	N,N'-ｼﾞ-2-ﾄﾘﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	15017-02-4	Prohibited	All applications and products	Intentionally added	●							●										
N, N'-ditolyl-1,4-phenylenediamine	N,N'-ｼﾞﾄﾘﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	27417-40-9	Prohibited	All applications and products	Intentionally added	●							●										
N, N'-bis (dimethylphenyl) -1,4-phenylenediamine	N,N'-ﾋﾞｽ(ｼﾞﾒﾁﾙﾌｪﾆﾙ)-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	28726-30-9	Prohibited	All applications and products	Intentionally added	●							●										
N- (dimethylphenyl) -N'-tolyl-1,4-phenylenediamine	N-(ｼﾞﾒﾁﾙﾌｪﾆﾙ)-N'-ﾄﾘﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	70290-05-0	Prohibited	All applications and products	Intentionally added	●							●										
1,4-Benzenediamine, N,N'-mixed Ph and tolyl and xylyl derivs.		68953-83-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
1,4-Benzenediamine, N,N'-mixed tolyl and xylyl derivs.		68478-45-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		68515-50-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●									●				
1,4 Benzenediol (Hydroquinone)	1,4-ﾍﾞﾝｾﾞﾝｼﾞｵｰﾙ(ﾊｲﾄﾞﾛｷﾉﾝ)	123-31-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester		36443-68-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Benzenesulfonic acid, C10-16-alkyl derivs.		68584-22-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Benzenesulfonic acid, C10-16-alkyl derivs, compds. with 2-propanamine		68584-24-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Benzenesulfonic acid,C10-13-alkyl derivs., sodium salts		68411-30-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Benzenesulfonic acid,dodecyl(sulfophenoxy)-, sodium salt (1:2)		28519-02-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Benzenesulfonic acid, oxybis[dodecyl-, disodium salt		25167-32-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Benzenesulfonic acid, [[4-[[4-(phenylamino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]phenyl]amino]- (Pigment Blue 61)		1324-76-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Benzidine and its salts, all members	ベンジジンおよびその塩、全て		Prohibited			●																	
Benzidine	ﾍﾞﾝｼﾞｼﾞﾝ	92-87-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 100	●	●		●							●			●	●	●		
Benzidine acetate	ﾍﾞﾝｼﾞｼﾞﾝ ｱｾﾃｰﾄ	36341-27-2	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●													●				
Benzidine salt	硫酸ﾍﾞﾝｼﾞｼﾞﾝ	531-86-2	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●													●				

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzidine sulphate	(1,1'-ﾋﾞﾌｪﾆﾙ)-4,4'-ｼﾞｱﾐﾝ 硫酸塩	21136-70-9	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●													●			
Benzidine, Ni(2+) salt	ﾍﾞﾝｼﾞｼﾞﾝ, Ni(2+)塩	67632-50-2	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●			●													
[1,1'-Biphenyl]-4,4'-diamine, dihydrochloride	二塩酸ﾍﾞﾝｼﾞｼﾞﾝ	531-85-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 100	●													●			
[1,1'-Biphenyl]-4,4'-diamine, 2,2'-dichloro-, sulfate (1:1)	(1,1'-ﾋﾞﾌｪﾆﾙ)-4,4'-ｼﾞｱﾐﾝ, 2,2'-ｼﾞｸﾛﾛ-, 硫酸塩 (1:1)	70146-07-5	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
3,3'-Dichlorobenzidine dihydrochloride	3,3'-ｼﾞｸﾛﾛ-4,4'-ｼﾞｱﾐﾉﾋﾞﾌｪﾆﾙ塩酸塩	612-83-9	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●															●	
3,3'-Dimethylbenzidine dihydrochloride	o-ﾄﾘｼﾞﾝ二塩酸塩	612-82-8	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●													●		●	
4,4'-Diaminodiphenyl-2,2'-disulfonic acid disodium salt	4,4'-ｼﾞｱﾐﾉｼﾞﾌｪﾆﾙ-2,2'-ｼﾞｽﾙﾎﾝ酸ﾆﾅﾄﾘｳﾑ塩	27336-24-9	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
Acid Black 7	ｱｼｯﾄﾞﾌﾞﾗｯｸ 7	8004-59-9	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Acid red 85	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ85、C.I.22245	3567-65-5	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct black 38	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ38、C.I.30235	1937-37-7	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●	●	●											●		●	
C.I. Direct black 4, disodium salt	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ4、C.I.30245	2429-83-6	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct blue 6	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ6、C.I.22610	2602-46-2	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●													●		●	
C.I. Direct blue 2, trisodium salt	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ2、C.I.22590	2429-73-4	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct brown 1	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ1、C.I.30045	3811-71-0	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct brown 2, disodium salt	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ2、C.I.22311	2429-82-5	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct brown 154	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ154、C.I.30120	6360-54-9	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct brown 31, tetrasodium salt	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ31、C.I.35660	2429-81-4	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct brown 59, disodium salt	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ59、C.I.22345	3476-90-2	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct brown 6, disodium salt	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ6、C.I.30140	2893-80-3	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct brown 95	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ95、C.I.30145	16071-86-6	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●													●		●	
C.I. Direct green 1, disodium salt	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ1、C.I.30280	3626-28-6	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct green 6, disodium salt	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ6、C.I.30295	4335-09-5	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct green 8, trisodium salt	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ8、C.I.30315	5422-17-3	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
C.I. Direct red 1, disodium salt	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ1、C.I.22310	2429-84-7	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct red 28	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ28、C.I.22120	573-58-0	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●	●	●												●			
C.I. Direct red 37	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ37、C.I.22240	3530-19-6	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
C.I. Direct violet 22, trisodium salt	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ22、C.I.22480	6426-67-1	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
Direct Orange 1	ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ 1	13164-93-7	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
Benzoic acid, 5-[[4'-[(1-amino-4-sulfo-2-naphthalenyl)azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ8、C.I.22130	2429-79-0	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
Trypan blue (C.I. Direct Blue 14)	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ14、C.I.23850	72-57-1	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●															●	
Benzoic acid, 3,3'-[(3,7-disulfo-1,5-naphthalenediyl)bis[azo(6-hydroxy-3,1-phenylene)azo[6(or 7)-sulfo-4,1-naphthalenediyl]azo[1,1'-biphenyl]-4,4'-diylazo]]bis[6-hydroxy-, hexasodium salt	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ74、C.I.36300	8014-91-3	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
3,3'-Dichlorbenzidine	3,3'-ｼﾞｸﾛﾛﾍﾞﾝｼﾞﾝ	91-94-1	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●	●													●		●	
3,3'-Dimethoxybenzidine	o-ｼﾞｱﾆｼﾞﾝ	119-90-4	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●	●													●		●	
3,3'-Dimethylbenzidine	3,3'-ｼﾞﾒﾁﾙﾍﾞﾝｼﾞｼﾞﾝ(別名o-ﾄﾘｼﾞﾝ)	119-93-7	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●	●													●		●	
Salts from 3,3'-Dimethoxybenzidine	3,3'-ｼﾞﾒﾄｷｼﾍﾞﾝｼﾞｼﾞﾝ塩	-	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
Dipotassium O,O'-(4,4'-diaminobiphenyl-3,3'-ylene)diglycollate	O,O'-(4,4' -ｼﾞｱﾐﾉｼﾞﾌｪﾆﾙ-3,3' -ｲﾚﾝ) 二ｸﾞﾙｺｰﾙ酸二ｶﾘｳﾑ	74220-10-3	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 100	●																
4-chloro-o-toluidine	4-ｸﾛﾛ-2-ﾒﾁﾙｱﾆﾘﾝ	95-69-2	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●		●											●		●	
o-aminoazotoluene	2-ｱﾐﾉｱｿﾞﾄﾙｴﾝ	97-56-3	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●	●	●											●		●	
5-nitro-o-toluidine	ｱﾐﾉﾆﾄﾛﾄﾙｴﾝ	99-55-8	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●		●														
4-chloroaniline	p-ｸﾛﾛｱﾆﾘﾝ	106-47-8	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●		●											●		●	
4-methoxy-m-phenylenediamine	2,4-ｼﾞｱﾐﾉｱﾆｿｰﾙ	615-05-4	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●		●											●		●	
4,4'-methylenedi-o-toluidine	4,4'-ｼﾞｱﾐﾉ-3,3'-ｼﾞﾒﾁﾙｼﾞﾌｪﾆﾙﾒﾀﾝ	838-88-0	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●	●	●											●		●	
6-methoxy-m-toluidine		120-71-8	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●	●	●											●		●	
4,4'-methylene-bis(2-chloroaniline)		101-14-4	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●	●	●	●										●		●	
4,4'-oxydianiline	4,4'-ｼﾞｱﾐﾉｼﾞﾌｪﾆﾙｴｰﾃﾙ	101-80-4	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●	●	●											●		●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
4,4'-thiodianiline	4,4'-ｼﾞｱﾐﾉｼﾞﾌｪﾆﾙｽﾙﾌｨﾄﾞ	139-65-1	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●		●										●		●	
o-toluidine	o-ﾄﾙｲｼﾞﾝ	95-53-4	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●	●	●										●		●	
4-methyl-m-phenylenediamine		95-80-7	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●	●	●										●		●	
2,4,5-trimethylaniline	2,4,5-ﾄﾘﾒﾁﾙｱﾆﾘﾝ	137-17-7	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●		●										●			
o-anisidine	o-ｱﾆｼﾞﾝ	90-04-0	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●	●	●										●		●	
4-amino azobenzene		60-09-3	Prohibited	All applications and products	Impurity: relative to the weight of component parts and materials 30	●	●	●	●										●		●	
Benzododecinium chloride;	ﾍﾞﾝｿﾞﾄﾞﾃﾞｼﾆｳﾑｸﾛﾘﾄﾞ	139-07-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,4-bis(1,1-dimethylethyl)phenyl ester		4221-80-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Benzophenone	ﾍﾞﾝｿﾞﾌｪﾉﾝ	119-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
Benzothiazole-2-thiol; 2-Mercaptobenzothiazole;	2-ﾒﾙｶﾌﾟﾄﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ	149-30-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
2-Benzothiazolesulphenamide, N, N-dicyclohexyl-	N.N-ｼﾞｼｸﾛﾍｷｻﾝ-1-ｲﾙ(1.3-ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ-2-ｲﾙｽﾙﾌｧﾆﾙ)ｱﾐﾝ	4979-32-2	Observation	All applications and products	Intentionally added	●									●							
2(3H)-Benzothiazolethione,sodium salt (1:1)		2492-26-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	2-(2H-ﾍﾞﾝｿﾞﾄﾘｱｿﾞｰﾙ-2-ｲﾙ)-4,6-ｼﾞ-tert-ﾍﾟﾝﾁﾙﾌｪﾉｰﾙ(UV-328)	25973-55-1	Prohibited	All applications and products except automotive parts and heavy duty corrosion protection coatings (for automobiles, railroads and large steel structures)	Intentionally added	●	●	●		●								●				
2-(2H-benzotriazol-2-yl)-p-cresol (UV-P)		2440-22-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2-Benzyl-2-dimethylamino-4-morpholinobutyrophenone		119313-12-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
Beryllium and its compounds, all members	ﾍﾞﾘﾘｳﾑおよびその化合物、全て		Observation			●																
Beryl ore	ｹｲ酸ﾍﾞﾘﾘｳﾑｱﾙﾐﾆｳﾑ	1302-52-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Beryllate(2-), tetrafluoro-, diammonium	ﾃﾄﾗﾌﾙｵﾛﾍﾞﾘﾘｳﾑ酸ｱﾝﾓﾆｳﾑ	14874-86-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●												●	
Beryllium	ﾍﾞﾘﾘｳﾑ	7440-41-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Beryllium aluminum alloy	ﾍﾞﾘﾘｳﾑ-ｱﾙﾐﾆｳﾑ合金	12770-50-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Beryllium boride (Be2B)	ﾎｳ化ﾍﾞﾘﾘｳﾑ (Be2B)	12536-51-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Beryllium boride (Be4B)	ﾎｳ化ﾍﾞﾘﾘｳﾑ (Be4B)	12536-52-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Beryllium boride (BeB2)	ﾎｳ化ﾍﾞﾘﾘｳﾑ (BeB2)	12228-40-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Beryllium boride (BeB6)	ﾎｳ化ﾍﾞﾘﾘｳﾑ (BeB6)	12429-94-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium bromide (BeBr2)	ﾍﾞﾘﾘｳﾑﾌﾞﾛﾐﾄﾞ (BeBr2)	7787-46-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium carbide (Be2C)	一炭化二ﾍﾞﾘﾘｳﾑ	506-66-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium carbonate	塩基性炭酸ﾍﾞﾘﾘｳﾑ	13106-47-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium carbonate	塩基性炭酸ﾍﾞﾘﾘｳﾑ	66104-24-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium chloride	塩化ﾍﾞﾘﾘｳﾑ	7787-47-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium di(acetate)	二酢酸ﾍﾞﾘﾘｳﾑ	543-81-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium fluoride	ﾌｯ化ﾍﾞﾘﾘｳﾑ	12323-05-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium fluoride	ﾌｯ化ﾍﾞﾘﾘｳﾑ	7787-49-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium hydroxide	水酸化ﾍﾞﾘﾘｳﾑ	13327-32-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium iodide (BeI2)	ﾖｳ化ﾍﾞﾘﾘｳﾑ(BeI2)	7787-53-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium nitride (Be3N2)	二窒化三ﾍﾞﾘﾘｳﾑ	1304-54-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium oxide	酸化ﾍﾞﾘﾘｳﾑ	1304-56-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															●	
Beryllium phosphate	ﾘﾝ酸ﾍﾞﾘﾘｳﾑ(BeHPO4)	13598-15-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium phosphide	ﾘﾝ化ﾍﾞﾘﾘｳﾑ	58127-61-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium phosphide (BeP2)	ﾘﾝ化ﾍﾞﾘﾘｳﾑ (BeP2)	57620-29-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium selenide (BeSe)	ｾﾚﾝ化ﾍﾞﾘﾘｳﾑ (BeSe)	12232-25-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium sulfate	硫酸ﾍﾞﾘﾘｳﾑ(1:1)	13510-49-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium sulfate tetrahydrate	硫酸ﾍﾞﾘﾘｳﾑ四水塩	7787-56-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium sulfide (BeS)	硫化ﾍﾞﾘﾘｳﾑ (BeS)	13598-22-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium telluride (BeTe)	ﾃﾙﾙ化ﾍﾞﾘﾘｳﾑ (BeTe)	12232-27-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium zinc silicate	ｹｲ酸ﾍﾞﾘﾘｳﾑ亜鉛	25638-88-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Beryllium zinc silicate	ｹｲ酸ﾍﾞﾘﾘｳﾑ亜鉛	39413-47-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bis(pentane-2,4-dionato-O,O')beryllium	ﾋﾞｽ(2,4-ﾍﾟﾝﾀﾝｼﾞｵﾅﾄ)ﾍﾞﾘﾘｳﾑ	10210-64-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Diethylberyllium	ｼﾞｴﾁﾙﾍﾞﾘﾘｳﾑ	542-63-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Disodium tetrafluoroberyllate	四ﾌｯ化ﾍﾞﾘﾘｳﾑ酸ﾅﾄﾘｳﾑ	13871-27-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Hexakis[.mu.-(acetato-O:O')]-.mu.4-oxotetraberyllium	ﾍｷｻｷｽ[μ-酢酸-O,O']-μ -4-ｵｷｿ四ﾍﾞﾘﾘｳﾑ	19049-40-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Phosphoric acid, beryllium salt	ﾘﾝ酸ﾍﾞﾘﾘｳﾑ(混合)	35089-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Phosphoric acid, beryllium salt (2:3)	ﾘﾝ酸ﾍﾞﾘﾘｳﾑ(II)､(2:3)	13598-26-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Silicic acid (H4SiO4), beryllium salt (1:2)	ｹｲ酸ﾍﾞﾘﾘｳﾑ	15191-85-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Silicic acid, beryllium salt	ｹｲ酸ﾍﾞﾘﾘｳﾑ塩	58500-38-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Biocidal coatings / biocidal additives, selected	殺生物コーティング剤／殺生物添加剤、抜粋		Reduced/Observation			●																
(+/-)-1-(.beta.-allyloxy-2,4-dichlorophenylethyl)imidazole; Technical grade imazalil	ｲﾏｻﾞﾘﾙ	73790-28-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
.alpha.,.alpha.',.alpha.''-trimethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol	1,1',1''-(1,3,5-ﾄﾘｱｼﾞﾅﾝ-1,3,5-ﾄﾘｲﾙ)ﾄﾘｽ(ﾌﾟﾛﾊﾟﾝ-2-ｵｰﾙ)	25254-50-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	1,2-ﾍﾞﾝｽﾞｲｿﾁｱｿﾞﾘﾝ-3-ｵﾝ	2634-33-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
1,3-bis(hydroxymethyl)urea	ｼﾞﾒﾁﾛｰﾙ尿素	140-95-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
1,3-didecyl-2-methyl-1H-imidazolium chloride	1,3-ｼﾞﾃﾞｼﾙ-2-ﾒﾁﾙ-1H-ｲﾐﾀﾞｿﾞﾘｳﾑｸﾛﾘﾄ	70862-65-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
1-[1,3-bis(hydroxymethyl)-2,5-dioxoimidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea; Diazolidinylurea	ｼﾞｱｿﾞﾘｼﾞﾆﾙ尿素	78491-02-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
1H-Pyrazole-4-carboxamide, N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-		494793-67-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	2,2',2''-(ﾍﾟﾙﾋﾄﾞﾛ-1,3,5-ﾄﾘｱｼﾞﾝ-1,3,5-ﾄﾘｲﾙ)ﾄﾘｴﾀﾉｰﾙ	4719-04-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2,2-Dibromo-2-cyanoacetamide (DBNPA)		10222-01-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2,2'-dithiobis[N-methylbenzamide]	ﾋﾞｽ(2-N-ﾒﾁﾙﾍﾞﾝｽﾞｱﾐﾄﾞ)ｼﾞｽﾙﾌｲﾄﾞ	2527-58-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2,4-dichlorobenzyl alcohol	2,4-ｼﾞｸﾛﾛﾍﾞﾝｼﾞﾙｱﾙｺｰﾙ	1777-82-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2-bromo-1-(4-hydroxyphenyl)ethan-1-one	2-ﾌﾞﾛﾓ-1-(4-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ)ｴﾀﾝ-1-ｵﾝ	2491-38-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2-Bromo-2-(bromomethyl)pentanedinitrile	2-ﾌﾞﾛﾓ-2-(ﾌﾞﾛﾓﾒﾁﾙ)ｸﾞﾙﾀﾛﾆﾄﾘﾙ	35691-65-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Chloroacetamide	ｸﾛﾙｱｾﾄｱﾐﾄﾞ	79-07-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2-methyl-4-thiazoline-3-ketone; 2-methyl-2H-isothiazol-3-one; MIT; Methylisothiazolinone	2-ﾒﾁﾙ-4-ｲｿﾁｱｿﾞﾘﾝ-3-ｵﾝ	2682-20-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2-n-butyl-benzo[d]isothiazol-3-one	2-ﾌﾞﾁﾙ-1,2-ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ-3(2H)-ｵﾝ	4299-07-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2-Phenoxyethanol	2-ﾌｪﾉｷｼｴﾀﾉｰﾙ	122-99-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
2-Phenylphenol; Biphenyl-2-ol; 2-Hydroxybiphenyl	ﾋﾞﾌｪﾆﾙ-2-ｵｰﾙ	90-43-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	5-ｸﾛﾛ-2-ﾒﾁﾙ-ｲｿﾁｱｿﾞｰﾙ-3-ｵﾝﾄ2-ﾒﾁﾙ-3(2h)-ﾁｱｿﾞｰﾙｵﾝ混合物	55965-84-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
3-Iodo-2-propynyl butylcarbamate; 3-Iodo-2-propynylbutylcarbamate (IPBC)		55406-53-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
4,5-Dichloro-2-octyl-2H-isothiazol-3-one; 4,5-Dichloro-2-octylisothiazol-3(2H)-one (DCOIT)		64359-81-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
4,5-dichloro-3H-1,2-dithiol-3-one	4,5-ｼﾞｸﾛﾛ-3H-1,2-ｼﾞﾁｵｰﾙ-3-ｵﾝ	1192-52-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
5-Chloro-2-(4-chlorophenoxy)-phenol (DCPP)	5-ｸﾛﾛ-2-(4-ｸﾛﾛﾌｪﾉｷｼ)ﾌｪﾉｰﾙ	3380-30-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
5-chloro-2-methyl-4-thiazoline-3-ketone	5ｸﾛﾛ2ﾒﾁﾙ4ｲｿﾁｱｿﾞﾘﾝ3ｵﾝ	26172-55-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Allyl isothiocyanate	ｲｿﾁｵｼｱﾝ酸ｱﾘﾙ	57-06-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Alpha-cypermethrin	ｱﾙﾌｧｰｼｰﾍﾞﾙﾒﾄﾘﾝ	67375-30-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Aluminium phosphide; Aluminium phosphide releasing phosphine (under BPR)	燐化ｱﾙﾐﾆｳﾑ	20859-73-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Aluminium sodium silicate-silver complex; Silver zeolite	銀担持ｾﾞｵﾗｲﾄ	130328-18-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Aluminium sodium silicate-silver copper complex; Silver Copper Zeolite	銅担持ｾﾞｵﾗｲﾄ	130328-19-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Amines, n-C10-16-alkyltrimethylenedi-, reaction products with chloroacetic acid	直鎖C10~16ｱﾙｷﾙﾄﾘﾒﾁﾚﾝｼﾞｱﾐﾝのｸﾛﾛ酢酸反応物	139734-65-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Ammonium bromide	臭化ｱﾝﾓﾆｳﾑ	12124-97-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Benzalkonium chloride; Quaternary ammonium compounds, alkylbenzyldimethyl, chlorides	塩化ﾍﾞﾝｻﾞﾙｺﾆｳﾑ	8001-54-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Benzododecinium chloride	ﾍﾞﾝｿﾞﾄﾞﾃﾞｼﾆｳﾑｸﾛﾘﾄﾞ	139-07-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Benzothiazole-2-thiol; 2-Mercaptobenzothiazole	2-ﾒﾙｶﾌﾟﾄﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ	149-30-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Benzoxonium chloride	塩化ﾍﾞﾝｿﾞｷｼﾆｳﾑ	19379-90-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzyldimethyl(octadecyl)ammonium chloride	ﾍﾞﾝｼﾞﾙｼﾞﾒﾁﾙ(ｵｸﾀﾃﾞｼﾙ)ｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	122-19-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Benzyldimethyloleylammonium chloride	ﾍﾞﾝｼﾞﾙｼﾞﾒﾁﾙｵﾚｲﾙｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	37139-99-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Benzyldodecyldimethylammonium bromide	ﾍﾞﾝｼﾞﾙﾄﾞﾃﾞｼﾙﾒﾁﾙｱﾝﾓﾆｳﾑ臭素	7281-04-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
(benzyloxy)methanol	ﾍﾞﾝｼﾞﾙｵｷｼﾒﾀﾉｰﾙ	14548-60-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Bifenthrin	ﾋﾞﾌｪﾝﾄﾘﾝ	82657-04-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Bis(2-sulfidopyridin-1-olato)copper; bis(1-hydroxy-1H-pyridine-2-thionato-O,S)copper	ﾋﾞｽ(2-ｽﾙﾌｨﾄﾞﾋﾟﾘｼﾞﾝ-1-ｵﾗﾄ)銅	14915-37-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Bis(tributyltin) oxide; 1,1,1,3,3,3-Hexabutyldistannoxane; Tributyltin oxide (TBTO)	ﾋﾞｽﾄﾘﾌﾞﾁﾙｽｽﾞｵｷｻｲﾄﾞ	56-35-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●	●					●								●		
Bis(trichloromethyl) sulphone	ﾋﾞｽ(ﾄﾘｸﾛﾛﾒﾁﾙ)ｽﾙﾎﾝ	3064-70-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Boric acid	ﾎｳ酸	11113-50-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●	●														
Boric acid crude natural)	ﾎｳ酸	10043-35-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●	●														
Bromochloro-5,5-dimethylimidazolidine-2,4-dione	ﾌﾞﾛﾓｸﾛﾛ-5,5-ｼﾞﾒﾁﾙｲﾐﾀﾞｿﾞﾘｼﾞﾝ-2,4-ｼﾞｵﾝ	32718-18-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Bronopol; 2-bromo-2-nitropropane-1,3-diol	ﾌﾞﾛﾉﾎﾟｰﾙ	52-51-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
C8-18alkylbis(2-hydroxyethyl)ammonium bis(2-ethylhexyl)phosphate	C8-18ｱﾙｷﾙﾋﾞｽ(2-ﾋﾄﾞﾛｷｼｴﾁﾙ)ｱﾝﾓﾆｳﾑﾋﾞｽ(2-ｴﾁﾙﾍｷｼﾙ)ﾘﾝ酸	68132-19-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Calcium dihexa-2,4-dienoate	ｿﾙﾋﾞﾝ酸ｶﾙｼｳﾑ	7492-55-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Captan; 1,2,3,6-tetrahydro-N-(trichloromethylthio)phthalimide	ｷｬﾌﾟﾀﾝ	133-06-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Carbendazim	ｶﾙﾍﾞﾝﾀﾞｼﾞﾑ	10605-21-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●													●			
Cetalkonium chloride	ｾﾀﾙｺﾆｳﾑｸﾛﾘﾄﾞ	122-18-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Cetylpyridinium chloride	塩化ｾﾁﾙﾋﾟﾘｼﾞﾆｳﾑ	123-03-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Chlorfenapyr; 4-Bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethylpyrrole-3-carbonitrile	ｸﾛﾙﾌｪﾅﾋﾟﾙ	122453-73-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	ｸﾛﾛｸﾚｿﾞｰﾙ	59-50-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Chlorothalonil; Tetrachloroisophthalonitrile	ｸﾛﾛﾀﾛﾆﾙ	1897-45-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Chlorotoluron; 3-(3-chloro-p-tolyl)-1,1-dimethylurea	ｸﾛﾛﾄﾙﾛﾝ	15545-48-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Chromium (VI) trioxide; Trioxochromium	無水ｸﾛﾑ(VI)酸	1333-82-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●		●		●												

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cis-4-[3-(p-tert-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine	ｼｽ-4-[3-p-tert-ﾌﾞﾁﾙﾌｪﾆﾙ]-2-ﾒﾁﾙﾌﾟﾛﾋﾟﾙ]-2,6,-ｼﾞﾒﾁﾙﾓﾙﾎﾘﾝ	67564-91-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Clothianidin; IFMB	ｸﾛﾁｱﾆｼﾞﾝ	210880-92-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Copolymer of 2-propenal and propane-1,2-diol	2-ﾌﾟﾛﾍﾟﾅｰﾙﾄﾌﾟﾛﾊﾟﾝ-1,2-ｼﾞｵｰﾙﾉｺﾎﾟﾘﾏｰ	191546-07-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Copper (Cu)		7440-50-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Copper carbonate hydroxide; Basic Copper carbonate; Copper (II) carbonate--copper (II) hydroxide (1:1)	水酸化銅(II)	12069-69-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Copper dihydroxide; Copper (II) hydroxide; Copper hydroxide	水酸化銅(II)	20427-59-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Copper oxide; Copper (II) oxide	酸化銅(II)	1317-38-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Copper sulphate	硫酸銅(II)	7758-98-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Copper sulphate pentahydrate		7758-99-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Creosote	ｸﾚｵｿｰﾄ	8001-58-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●			●										●			
Cu-HDO; Bis(N-cyclohexyl- diazenium-dioxy)-copper); Bis[1-cyclohexyl-1,2-di(hydroxy-.kappa.O)diazeniumato(2-)]-copper	ﾋﾞｽ(N-ｼｸﾛﾍｷｼﾙｰｼﾞｱｾﾞﾆｳﾑｰｼﾞｵｷｼ)-銅)	312600-89-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Cybutryne; N'-tert-butyl-N-cyclopropyl-6-(methylthio)-1,3,5-triazine-2,4-diamine	ｼﾌﾞﾄﾘﾝ	28159-98-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Cyclohexylhydroxydiazene 1-oxide, potassium salt	ｼｸﾛﾍｷｼﾙﾋﾄﾞﾛｷｼｼﾞｱｾﾞﾝ-1-ｵｷｼﾄﾞ ﾅﾄﾘｳﾑ塩	66603-10-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Cyfluthrin; beta-cyfluthrin; a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	ｼﾌﾙﾄﾘﾝ	68359-37-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Cyproconazole; (2RS,3RS; 2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol	ｼﾌﾟﾛｺﾅｿﾞｰﾙ	94361-06-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●													●			
Dazomet; Tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione	ﾀﾞｿﾞﾒｯﾄ	533-74-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
DDACarbonate; LZ 34000; Reaction mass of N,N-didecyl-N,N-dimethyl-ammonium carbonate and N,N-didecyl-N,N-dimethyl-ammonium bicarbonate		894406-76-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Decyldimethyloctylammonium chloride	ﾄﾞﾃﾞｼﾙｼﾞﾒﾁﾙｵｸﾁﾙｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	32426-11-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Deltamethrin; (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate	ﾃﾞﾙﾀﾒﾄﾘﾝ	52918-63-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Diarsenic pentaoxide; Arsenic pentoxide; Arsenic oxide	五酸化二砒素	1303-28-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●	●	●	●												
Diboron trioxide	三酸化二ﾎｳ素	1303-86-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●	●														
Dichlofluanid; N-[(Dichlorofluoromethyl)thio]-N',N'-dimethyl-N-phenylsulfamide	ｼﾞｸﾛﾌﾙｱﾆﾄﾞ	1085-98-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Dichlorophene; dichlorophen	ｼﾞｸﾛﾛﾌｪﾝ	97-23-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dicopper oxide	酸化銅(I)	1317-39-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Didecyldimethylammonium bromide	ｼﾞﾃﾞｼﾙｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ臭素	2390-68-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Didecyldimethylammonium chloride (DDAC)	ｼﾞﾃﾞｼﾙｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	7173-51-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Didecylmethylpoly(oxyethyl)ammonium propionate; Poly(oxy-1,2-ethanediyl), .alpha.-[2-(didecylmethylammonio)ethyl]-.omega.-hydroxy-, propanoate (salt)	ｼﾞﾃﾞｼﾙﾒﾁﾙﾎﾟﾘ(ｵｷｼｴﾁﾙ)ｱﾝﾓﾆｳﾑﾌﾟﾛﾋﾟｵﾈｰﾄ	94667-33-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Dimethyldioctylammonium chloride	ｼﾞﾒﾁﾙｼﾞｵｸﾁﾙｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	5538-94-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Dimethylfumarate	ﾌﾏﾙ酸ｼﾞﾒﾁﾙ（DMF）	624-49-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.1	●	●		●													
Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride	ｼﾞﾒﾁﾙｵｸﾀﾃﾞｼﾙ[(3-ﾄﾘﾒﾄｷｼｼﾘﾙ)ﾌﾟﾛﾋﾟﾙ]ｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	27668-52-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Dimethyltetradecyl[3-(trimethoxysilyl)-propyl]ammonium chloride	ｼﾞﾒﾁﾙﾃﾄﾗﾃﾞｼﾙ[3-(ﾄﾘﾒﾄｷｼｼﾘﾙ)ﾌﾟﾛﾋﾟﾙ]ｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	41591-87-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Diphenoxarsin-10-yloxid	ﾋﾞｽ(10H-ﾌｪﾉｷｻﾙｼﾝ-10-ｲﾙ)ｴｰﾃﾙ	58-36-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●			●													
Dipotassium disulphite	二亜硫酸二ｶﾘｳﾑ	16731-55-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Dipyrithione	ｼﾞﾋﾟﾘﾁｵﾝ	3696-28-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Disodium cyanodithiocarbamate	ｼｱﾉｼﾞﾁｵｲﾐﾄﾞｶﾙﾎﾞﾝ酸二ﾅﾄﾘｳﾑ塩	138-93-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Disodium disulphite; Disodium disulfite	二亜硫酸二ﾅﾄﾘｳﾑ	7681-57-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Disodium octaborate tetrahydrate; Boron sodium oxide (B8Na2O13), tetrahydrate	八ﾎｳ素二ﾅﾄﾘｳﾑ･四水和物	12280-03-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Disodium tetraborate, anhydrous	四ﾎｳ酸ﾅﾄﾘｳﾑ(無水物)	1330-43-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●	●														
Disodium tetraborate, decahydrate	四ﾎｳ酸ﾅﾄﾘｳﾑ10水和物(ﾎｳ砂)	1303-96-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●	●														
Disodium tetraborate, pentahydrate	四ﾎｳ酸ﾅﾄﾘｳﾑ5水和物	12179-04-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●	●														
Diuron; 3-(3,4-dichlorophenyl)-1,1-dimethylurea (DCMU)	ｼﾞｸﾛﾝ	330-54-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Dodecylguanidine monohydrochloride	ﾄﾞﾃﾞｼﾙｸﾞｱﾆｼﾞﾝ塩酸塩	13590-97-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
DOWICIL* 150 PRESERVATIVE; DOWICIL* 200 PRESERVATIVE	ﾀﾞｳ社製防腐剤 DOWCIL150/200	51229-78-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Esfenvalerate; (S)-a-cyano-3-phenoxybenzyl-(S)-2-(4-chlorophenyl)-3-methylbutyrate	ｴｽﾌｪﾝﾊﾞﾚｰﾄ	66230-04-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
(ethylenedioxy)dimethanol/ 1,6-Dihydroxy-2,5-dioxyhexane		3586-55-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Etofenprox; Ethofenprox; 3-Phenoxybenzyl-2-(4-ethoxyphenyl)-2-methylpropylether	ｴﾄﾌｪﾝﾌﾟﾛｯｸｽ	80844-07-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Fenitrothion; O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate	ﾌｪﾆﾄﾛﾁｵﾝ	122-14-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Fenoxycarb; Ethyl [2-(4-phenoxyphenoxy)ethyl]carbamate	N-[2-(4-ﾌｪﾉｷｼﾌｪﾉｷｼ)ｴﾁﾙ]ｶﾙﾊﾞﾐﾄﾞ酸ｴﾁﾙ	72490-01-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Fipronil; 5-Amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile	ﾌｨﾌﾟﾛﾆﾙ	120068-37-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Fludioxonil; 4-(2,2-Difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile		131341-86-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Flufenoxuron; 1-[4-(2-Chloro-alpha,alpha,alpha-trifluoro-para-tolyloxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea	ﾌﾙﾌｪﾉｸｽﾛﾝ	101463-69-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Fluometuron	ﾌﾙｵﾒﾛﾝ	2164-17-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Folpet; N-(trichloromethylthio)phthalimide	ﾌｫﾙﾍﾟｯﾄ	133-07-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Formaldehyde	ﾎﾙﾑｱﾙﾃﾞﾋﾄﾞ	50-00-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●		●										●		●	
Glutaral; Glutaraldehyde; Pentane-1,5-dial; Pentanedial	ｸﾞﾙﾀﾙｱﾙﾃﾞﾋﾄﾞ	111-30-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●		●														
Guazatine triacetate	ｸﾞｱｻﾞﾁﾝﾄﾘｱｾﾃｰﾄ	115044-19-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Hexa-2,4-dienoic acid; Sorbic acid	2,4-ﾍｷｻｼﾞｴﾝ酸 [:ｿﾙﾋﾞﾝ酸]	110-44-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Hexaboron dizinc undecaoxide	ﾎｳ酸亜鉛	12767-90-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Hexafluorosilicic acid		16961-83-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Homopolymer of 2-tert-butylaminoethyl methacrylate (EINECS 223-228-4)	2-tert-ﾌﾞﾁﾙｱﾐﾉｴﾁﾙﾒﾀｱｸﾘﾚｰﾄﾎﾓﾎﾟﾘﾏｰ	26716-20-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Hydroxyl-2-pyridone	1-ﾋﾄﾞﾛｷｼ-2-ﾋﾟﾘｼﾞﾉﾝ	822-89-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Imazalil; 1-[2-(allyloxy)-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole	ｲﾏｻﾞﾘﾙ	35554-44-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Iodine (I)	二ﾖｳ素	7553-56-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Isoproturon; 3-(4-Isopropylphenyl)-1,1-dimethylurea	ｲｿﾌﾟﾛﾁﾛﾝ	34123-59-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
L-(+)-lactic acid	L-(+)-乳酸	79-33-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Lignin	ﾘｸﾞﾆﾝ	9005-53-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Magnesium phosphide; Trimagnesium diphosphide	ﾘﾝ化ﾏｸﾞﾈｼｳﾑ	12057-74-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Margosa ext.	ｲﾝﾄﾞｾﾝﾀﾞﾝ(常緑樹)抽出物	84696-25-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Metam potassium; Potassium methyldithiocarbamate	ﾒﾀﾑｶﾘｳﾑ	137-41-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Metam-sodium; Metam; Sodium ethyldithiocarbamate	ﾓﾉﾒﾁﾙｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸ﾅﾄﾘｳﾑ	137-42-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Methenamine 3-chloroallylochloride	3-(3'-ｸﾛﾛｱﾘﾙ)ﾍｷｻﾒﾁﾚﾝﾃﾄﾗｱﾝﾓﾆｳﾑｸﾛﾗｲﾄﾞ	4080-31-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Miristalkonium chloride	ﾐﾘｽﾀﾙｺﾆｳﾑｸﾛﾘﾄﾞ	139-08-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	N(1)-(3-ｱﾐﾉﾌﾟﾛﾋﾟﾙ)-N(1)-ﾄﾞﾃﾞｼﾙﾌﾟﾛﾊﾟﾝ-1,3-ｼﾞｱﾐﾝ	2372-82-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
N,N,N',N'-Tetramethylethylenediaminebis(2-chloroethyl)ether copolymer	ﾃﾄﾗﾒﾁﾙｴﾁﾚﾝｼﾞｱﾐﾝ･ｼﾞｸﾛﾙｴﾁﾙｴｰﾃﾙ重縮合物	31075-24-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
N,N'-methylenebismorpholine (MBM)	ｼﾞﾓﾙﾎﾘﾉﾒﾀﾝ	5625-90-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●														●		
Nabam; Disodium ethylenebis(N,N'-dithiocarbamate)	ﾅﾊﾞﾑ	142-59-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Naphthenic acids, copper salts	ﾅﾌﾃﾝ酸ﾉ銅塩	1338-02-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
N-Didecyl-N-dipolyethoxyammonium borate; Didecylpolyoxethylammonium borate	N-ｼﾞﾃﾞｼﾙ-N-ｼﾞﾎﾟﾘｴﾄｷｼｱﾝﾓﾆｳﾑﾎｳ素	214710-34-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Octhilinone; 2-octyl-2H-isothiazol-3-one		26530-20-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Oligo(2-(2-ethoxy)ethoxyethylguanidinium chloride)	ｵﾘｺﾞ(2-(2-ｴﾄｷｼ)ｴﾄｷｼｴﾁﾚﾝｸﾞｱﾆｼﾞﾆｳﾑ)ｸﾛﾘﾄﾞ	374572-91-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Oxine-copper	ｵｷｼﾝ銅	10380-28-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
P-[(diiodomethyl)sulphonyl]toluene	ｼﾞﾖｰﾄﾞﾒﾁﾙ-p-ﾄﾘﾙｽﾙﾎﾝ	20018-09-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Permethrin; m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	ﾍﾟﾙﾒﾄﾘﾝ	52645-53-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Poly(hexamethylendiamine guanidinium chloride)	ﾎﾟﾘ(ﾍｷｻﾒﾁﾚﾝｼﾞｱﾐﾝｸﾞｱﾆｼﾞﾆｳﾑｸﾛﾘﾄﾞ)	57028-96-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Poly(hexamethylenebicyanoguanide-hexamethylenediamine) Hydrochloride	ﾎﾟﾘ(ﾍｷｻﾒﾁﾚﾝﾋﾞｸﾞｱﾅｲﾄﾞ-ﾍｷｻﾒﾁﾚﾝｼﾞｱﾐﾝ)ﾊｲﾄﾞﾛｸﾛﾘﾄﾞ	27083-27-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Poly(hexamethylenebiguanide)	ﾎﾟﾘﾍｷｻﾒﾁﾚﾝﾋﾞｸﾞｱﾅｲﾄﾞ	91403-50-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Poly(hexamethylenebiguanide)hydrochloride	ﾎﾟﾘ(ﾍｷｻﾒﾁﾚﾝ ﾋﾞｸﾞｱﾅｲﾄﾞ)ﾊｲﾄﾞﾛｸﾛﾘﾄﾞ	32289-58-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Poly[iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanediyl], hydrochloride		1802181-67-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Polyvinylpyrrolidone iodine	ﾎﾟﾘﾋﾞﾆﾙﾋﾟﾛﾘﾄﾞﾝﾖｳ素化合物	25655-41-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Potassium (E,E)-hexa-2,4-dienoate	ｶﾘｳﾑ=(E,E)-ﾍｷｻ-2,4-ｼﾞｴﾉｱｰﾄ	24634-61-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Potassium 2-biphenylate	2-ﾋﾞﾌｪﾆﾚｰﾄｶﾘｳﾑ	13707-65-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Potassium dimethyldithiocarbamate	ｼﾞﾒﾁﾙｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸ｶﾘｳﾑ	128-03-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Potassium sulphite	亜硫酸ｶﾘｳﾑ	10117-38-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Prometryn	ﾌﾟﾛﾒﾄﾘﾝ	7287-19-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Propiconazole; ()-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole		60207-90-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●														●		
Pyridine-2-thiol 1-oxide, sodium salt	2-ﾒﾙｶﾌﾟﾄﾋﾟﾘｼﾞﾝ-N-ｵｷｻｲﾄﾞﾅﾄﾘｳﾑ塩	3811-73-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Pyrithione zinc; (T-4)-Bis[2-(thioxo-kappaS)-pyridin-1(2H)-olato-kappaO]zinc(II)	ｼﾞﾝｸﾋﾟﾘﾁｵﾝ	13463-41-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●														●		
Quaternary ammonium compounds (benzylalkyldimethyl (alkyl from C8-C22, saturated and unsaturated, tallow alkyl, coco alkyl, and soya alkyl) chlorides, bromides or hydroxides)/BKC		NA	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, [2-[[2-[(2-carboxyethyl)(2-hydroxyethyl)amino]ethyl]amino]-2-oxoethyl]coco alkyldimethyl, hydroxides, inner salts	[2-[[2-[(2-ｶﾙﾎﾞｷｼｴﾁﾙ)(2-ﾋﾄﾞﾛｷｼｴﾁﾙ)ｱﾐﾉ]ｴﾁﾙ]ｱﾐﾉ]-2-ｵｷｿｴﾁﾙ]ｺｺｱﾙｷﾙｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ水酸化物分子内塩	100085-64-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, benzyl-C10-16-alkyldimethyl, chlorides	ﾍﾞﾝｼﾞﾙｱﾙｷﾙ(C=10～16)ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ=ｸﾛﾘﾄﾞ	68989-00-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides	ｱﾙｷﾙ(C=12～14)(ﾍﾞﾝｼﾞﾙ)(ｼﾞﾒﾁﾙ)ｱﾝﾓﾆｳﾑ=ｸﾛﾘﾄﾞ	85409-22-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides; Alkyl (C12-16) dimethylbenzyl ammonium chloride; C12-16-ADBAC	塩化ﾍﾞﾝｼﾞﾙ[ｱﾙｷﾙ(C12～16)]ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ化合物	68424-85-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	ｱﾙｷﾙ(C=12～18)(ﾍﾞﾝｼﾞﾙ)(ｼﾞﾒﾁﾙ)ｱﾝﾓﾆｳﾑ=ｸﾛﾘﾄﾞ	68391-01-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, benzyl-C8-16-alkyldimethyl, chlorides	ﾍﾞﾝｼﾞﾙｱﾙｷﾙ(C=8～16)ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ=ｸﾛﾘﾄﾞ	68424-84-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, bromides	ﾍﾞﾝｼﾞﾙｰｱﾙｷﾙ(C=8～18)ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ臭素	91080-29-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	塩化ﾍﾞﾝｼﾞﾙ-C8-C18-ｱﾙｶﾘｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ化合物	63449-41-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, benzylcoco alkyldimethyl, chlorides	ﾍﾞﾝｼﾞﾙｺｺｱﾙｷﾙｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	61789-71-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides	塩化ﾋﾞｽ(水素化牛脂)ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ化合物	61789-80-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	ｱﾙｷﾙ(C=12～14)(ｴﾁﾙﾌｪﾆﾙｰﾒﾁﾙ)(ｼﾞﾒﾁﾙ)ｱﾝﾓﾆｳﾑ=ｸﾛﾘﾄﾞ	85409-23-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, coco alkyltrimethyl, chlorides	ｺｺｱﾙｷﾙﾄﾘﾒﾁﾙｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	61789-18-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, di-C6-12-alkyldimethyl, chlorides	ｼﾞｱﾙｷﾙ(C=6～12)ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ=ｸﾛﾘﾄﾞ	68391-06-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	ｼﾞｱﾙｷﾙ(C=8～10)ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ=ｸﾛﾘﾄﾞ	68424-95-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Quaternary ammonium compounds, di-C8-18-alkyldimethyl, chlorides	ｼﾞｱﾙｷﾙ(C=6～12)ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ=ｸﾛﾘﾄﾞ	73398-64-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	塩化ｼﾞｱﾙｷﾙｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ化合物	61789-77-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Quaternary ammonium iodides	第四級ｱﾝﾓﾆｳﾑﾖｳ化物	308074-50-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Bethoxazin/3-benzo[b]thien-2-yl-5,6-dihydro-1,4,2-oxathiazine 4-oxide	3-(1-ﾍﾝｿﾞﾁｵﾌｪﾝ-2-ｲﾙ)-4-ｵｷｿｰ5,6-ｼﾞﾋﾄﾞﾛ-4H-1,4λ(4),2-ｵｷｻﾁｱｼﾞﾝ	163269-30-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Reaction mass of titanium dioxide and silver chloride. Substance must be reported regarding EC number 944-224-5		EC 944-224-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Silver (Ag)	銀	7440-22-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Silver adsorbed on silicon dioxide (as a nanomaterial in the form of a stable aggregate with primary particles in the nanoscale)		1167997-68-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Silver chloride	塩化銀	7783-90-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Silver nitrate	硝酸銀(I)	7761-88-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Silver phosphate glass	ﾘﾝ酸銀ｶﾞﾗｽ	308069-39-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Silver sodium hydrogen zirconium phosphate	ﾘﾝ酸-銀-ﾅﾄﾘｳﾑ-ｼﾞﾙｺﾆｳﾑ	265647-11-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Silver sodium zirconium hydrogenphosphate	銀-ﾅﾄﾘｳﾑ-ﾘﾝ酸水素ｼﾞﾙｺﾆｳﾑ	155925-27-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Silver zinc zeolite; Aluminium sodium silicate-silver zinc complex	銀・亜鉛担持ｾﾞｵﾗｲﾄ	130328-20-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Silver-zinc-aluminium-boronphosphate glass; Glass oxide, silver- and zinc-containing	銀・亜鉛・ｱﾙﾐﾆｳﾑ担持ﾘﾝ酸ほう素ｶﾞﾗｽ	398477-47-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Sodium 2,4,6-trichlorophenolate	2,4,6-ﾄﾘｸﾛﾛﾌｪﾉｰﾙﾅﾄﾘｳﾑ塩	3784-03-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Sodium 2-biphenylate; 2-phenylphenol, sodium salt	2-ﾌｪﾆﾙﾌｪﾉｰﾙﾅﾄﾘｳﾑ塩	132-27-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Sodium bromide	臭化ﾅﾄﾘｳﾑ	7647-15-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Sodium dichromate anhydrous	ﾆｸﾛﾑ酸ﾅﾄﾘｳﾑ	10588-01-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●		●														
Sodium dichromate dihydrate	ﾆｸﾛﾑ酸ﾅﾄﾘｳﾑﾆ水和物	7789-12-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●		●														
Sodium dimethyldithiocarbamate	ﾅﾄﾘｳﾑ=ｼﾞﾒﾁﾙｼﾞﾁｵｶﾙﾊﾞﾏｰﾄ	128-04-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●															●	
Sodium hydrogen 2,2-methylenebis[4-chlorophenolate]	2,2'-ﾒﾁﾚﾝﾋﾞｽ[4-ｸﾛﾛﾌｪﾉﾚｰﾄ]水素ﾅﾄﾘｳﾑ	10187-52-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Sodium hydrogensulphite; Sodium bisulphite	亜硫酸水素ﾅﾄﾘｳﾑ	7631-90-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sodium hydroxymethylamino acetate	ﾋﾄﾞﾛｷｼﾒﾁﾙｱﾐﾉ酢酸ﾅﾄﾘｳﾑ	70161-44-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●													●			
Sodium p-chloro-m-cresolate	ﾅﾄﾘｳﾑ4-ｸﾛﾛ-3-ﾒﾁﾙﾌｪﾉﾗｰﾄ	15733-22-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Sodium pentachlorophenolate; Pentachlorophenol, sodium salt	ﾍﾟﾝﾀｸﾛﾛﾌｪﾉｰﾙﾅﾄﾘｳﾑ	131-52-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●								●					●				
Sodium sulphite	亜硫酸ﾅﾄﾘｳﾑ	7757-83-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Symclosene; 1,3,5-Trichloro-1,3,5-triazinane-2,4,6-trione	ｼﾑｸﾛｾﾝ	87-90-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
TCMTB; (benzothiazol-2-ylthio)methyl thiocyanate	2-[(ﾁｵｼｱﾅﾄﾒﾁﾙ)ｽﾙﾌｧﾆﾙ]-1,3-ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ	21564-17-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Tebuconazole; 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol		107534-96-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Terbutryn	ﾃﾙﾌﾞﾄﾘﾝ	886-50-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione	N,N',N'',N'''-ﾃﾄﾗｷﾒﾛｰﾙｸﾞﾘｵｷｻﾞｰﾙｳﾚｲﾝ	5395-50-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Tetrakis(hydroxymethyl)phosphonium sulphate(2:1)	ﾃﾄﾗｷｽ-ﾊｲﾄﾞﾛｷｼﾒﾁﾙﾎｽﾎﾆｳﾑｽﾙﾌｧｰﾄ	55566-30-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Thiabendazole; Thiabendazol; 2-(Thiazole-4-yl)benzimidazole		148-79-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Thiacloprid	ﾁｱｸﾛﾋﾟﾘﾄﾞ	111988-49-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●														●			
Thiamethoxam	ﾁｱﾒﾄｷｻﾑ	153719-23-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Thiram; Tetramethylthiuram disulphide	ﾃﾄﾗﾒﾁﾙﾁｳﾗﾑｼﾞｽﾙﾌｨﾄﾞ (別名:ﾁｳﾗﾑ又ﾊﾁﾗﾑ)	137-26-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Tolnaftate	ﾄﾙﾅﾌﾀｰﾄ	2398-96-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Tolylfluanid; dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(p-tolyl)methanesulphenamide	ﾄﾘﾙﾌﾙｱﾆﾄﾞ	731-27-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Tosylchloramide sodium	ﾄｼﾙｸﾛﾙｱﾐﾄﾞﾅﾄﾘｳﾑ	127-65-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Triadimefon; 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone	ﾄﾘｱｼﾞﾒﾌｫﾝ	43121-43-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																●	
Tributyltetradecylphosphonium chloride	ﾄﾘﾌﾞﾁﾙ(ﾃﾄﾗﾃﾞｼﾙ)ﾎｽﾎﾆｳﾑｸﾛﾘﾄﾞ	81741-28-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Tributyltin naphthenate; Stannane, tributyl-, mono(naphthenoyloxy) derivs.	ﾅﾌﾃﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	85409-17-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●	●							●									
Triclosan; 2,4,4-Trichloro-2-hydroxy diphenyl ether; 5-Chloro-2-(2,4-dichlorophenoxy)phenol	ﾄﾘｸﾛｻﾝ[:2,4,4'-ﾄﾘｸﾛﾛ-2'-ﾋﾄﾞﾛｷｼﾞﾌｪﾆﾙｴｰﾃﾙ]	3380-34-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Troclosene sodium; Sodium dichloroisocyanurate dihydrate	ｼﾞｸﾛﾛｲｿｼｱﾇﾙ酸ﾅﾄﾘｳﾑ	2893-78-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	
Troclosene sodium; Sodium dichloroisocyanurate dihydrate	ｼﾞｸﾛﾛｲｿｼｱﾇﾙ酸ﾅﾄﾘｳﾑ	51580-86-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Zeta-cypermethrin	ﾍﾞｰﾀｰｼﾍﾟﾙﾒﾄﾘﾝ	52315-07-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Zinc oxide; C.I. 77947	酸化亜鉛	1314-13-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Zinc sulphide	硫化亜鉛	1314-98-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Ziram	ｼﾞﾗﾑ	137-30-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	●																
Bis(2-ethylhexyl) tetrabromophthalate; Tetrabromophthalic acid bis(2-ethylhexyl)ester (BEH-TEBP)		26040-51-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Bis(2-(2-methoxyethoxy)ethyl)ether		143-24-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●											●			
Bis(chloromethyl) ether (BCME)	ﾋﾞｽ(ｸﾛﾛﾒﾁﾙ)ｴｰﾃﾙ(BCME)	542-88-1	Prohibited	All applications and products	Intentionally added	●										●			●	●	●	
Boric acid/Orthoboric acid	ﾎｳ酸	10043-35-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Boric acid/Orthoboric acid	ﾎｳ酸	11113-50-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Butadiene, 1,3 -	ﾌﾞﾀｼﾞｴﾝ (1,3-ﾌﾞﾀｼﾞｴﾝ)	106-99-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Cadmium and its compounds, all members	カドミウムおよびその化合物、全て		Prohibited			●																
Antimony, compound with cadmium (2:3)	ｱﾝﾁﾓﾝ,ｶﾄﾞﾐｳﾑ (2:3)	12014-29-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Boric acid, cadmium salt	ﾎｳ酸ｶﾄﾞﾐｳﾑ塩	51222-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
C.I. Pigment Orange 20 (Cadmium sulfoselenide orange)	ﾋﾟｸﾞﾒﾝﾄｵﾚﾝｼﾞ20	12656-57-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
C.I. Pigment Red 108 Cadmium sulfoselenide red	ｶﾄﾞﾐｳﾑ赤	58339-34-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmate(2-), tetrakis(cyano-C)-, dipotassium, (T-4)-	ﾃﾄﾗｼｱﾉｶﾄﾞﾐｳﾑ酸ｶﾘｳﾑ	14402-75-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium	ｶﾄﾞﾐｳﾑ	7440-43-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●	●	●	●		●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium acetate	酢酸ｶﾄﾞﾐｳﾑ	543-90-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium acrylate	ｱｸﾘﾙ酸ｶﾄﾞﾐｳﾑ	15743-19-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium arsenide (Cd3As2)	ﾋ化ｶﾄﾞﾐｳﾑ	12006-15-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium bis(2-ethylhexanoate)		2420-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium bromide	臭化ｶﾄﾞﾐｳﾑ	7789-42-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium bromide, tetrahydrate	臭化ｶﾄﾞﾐｳﾑ四水和物	13464-92-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium carbonate	炭酸ｶﾄﾞﾐｳﾑ(1:1)	513-78-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●		●	●		●	●									●	
Cadmium chloride	塩化ｶﾄﾞﾐｳﾑ無水物	10108-64-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●		●	●		●	●									●	
Cadmium chloride phosphate (Cd5Cl(PO4)3)	ﾄﾘﾘﾝ酸塩化ｶﾄﾞﾐｳﾑ	12185-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium chloride phosphate (Cd5Cl(PO4)3), manganese-doped	ﾄﾘﾘﾝ酸塩化ｶﾄﾞﾐｳﾑ ﾏﾝｶﾞﾝﾄﾞｰﾌﾟ塗料	100402-53-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium chloride, hydrate (2:5)	塩化ｶﾄﾞﾐｳﾑ･5/2水和物	7790-78-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium chromate	ｸﾛﾑ酸ｶﾄﾞﾐｳﾑ	14312-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium cyanide (Cd(CN)2)	ｼｱﾝ化ｶﾄﾞﾐｳﾑ	542-83-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium diicosanoate	ｼﾞｲｺｻﾝ酸ｶﾄﾞﾐｳﾑ	14923-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium dinitrite	二亜硝酸ｶﾄﾞﾐｳﾑ	7790-83-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium diricinoleate	ﾘｼﾉｰﾙ酸ｶﾄﾞﾐｳﾑ	13832-25-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium fluoborate	四ﾌｯ化ﾎｳ酸ｶﾄﾞﾐｳﾑ	14486-19-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium fluoride (CdF2)	ﾌｯ化ｶﾄﾞﾐｳﾑ	7790-79-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●		●	●		●	●										●	
Cadmium hexafluorosilicate(2-)	ﾌﾙｵﾛｹｲ酸ｶﾄﾞﾐｳﾑ	17010-21-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium hydrogen phosphate	ﾘﾝ酸水素ｶﾄﾞﾐｳﾑ	14067-62-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium hydroxide (Cd(OH)2)	水酸化ｶﾄﾞﾐｳﾑ	21041-95-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●	●	●	●		●	●										●	
Cadmium iodate	ﾖｳ化ｶﾄﾞﾐｳﾑ	7790-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium iodide	ﾖｳ化ｶﾄﾞﾐｳﾑ	7790-80-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium Litophone Yellow	C.I.ﾋﾟｸﾞﾒﾝﾄｲｴﾛｰ37:1(ｶﾄﾞﾐｳﾑ亜鉛ﾘﾄﾎﾟﾝ)	90604-90-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium Mercury Sulfide	硫化ｶﾄﾞﾐｳﾑ水銀	1345-09-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium mercury telluride ((Cd,Hg)Te)	ﾃﾙﾙ化ｶﾄﾞﾐｳﾑ水銀	29870-72-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium molybdenum oxide (CdMoO4)	ﾓﾘﾌﾞﾃﾞﾝ酸ｶﾄﾞﾐｳﾑ	13972-68-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium niobium oxide (Cd2Nb2O7)	ﾆｵﾌﾞ酸ｶﾄﾞﾐｳﾑ	12187-14-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium nitrate (Nitric acid cadmium salt tetrahydrate (Cd･2NO3･4H2O))	硝酸ｶﾄﾞﾐｳﾑ無水物	10022-68-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium nitrate (Nitric acid cadmium salt (2:1) (Cd･2NO3))	硝酸ｶﾄﾞﾐｳﾑ無水物	10325-94-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●		●	●		●	●									●	
Cadmium oxide	酸化ｶﾄﾞﾐｳﾑ	1306-19-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●	●	●	●		●	●									●	
Cadmium oxide (CdO), solid solution with calcium oxide and titanium oxide (TiO2), praseodymium-doped	酸化ｶﾙｼｳﾑと酸化ﾁﾀﾝ混合物の固溶体中の酸化ｶﾄﾞﾐｳﾑ,ﾌﾟﾗｾｵｼﾞﾑﾄﾞｰﾌﾟ塗料	101356-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium oxide (CdO), solid solution with magnesium oxide, tungsten oxide (WO3) and zinc oxide	酸化ﾏｸﾞﾈｼｳﾑ、酸化ﾀﾝｸﾞｽﾃﾝ、酸化亜鉛混合物の固溶体中の酸化ｶﾄﾞﾐｳﾑ ﾌﾟﾗｾｵｼﾞﾑﾄﾞｰﾌﾟ塗料	102110-30-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium peroxide (Cd(O2))	過酸化ｶﾄﾞﾐｳﾑ (Cd(O2))	12139-22-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium phosphide (Cd3P2)	燐化ｶﾄﾞﾐｳﾑ	12014-28-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium propionate	ｼﾞﾌﾟﾛﾋﾟｵﾝ酸ｶﾄﾞﾐｳﾑ	16986-83-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium selenide (CdSe)	ｾﾚﾝ化ｶﾄﾞﾐｳﾑ	1306-24-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑｱﾙﾐﾆｳﾑと銅ﾄﾞｰﾌﾟ塗料	101357-00-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑ銅とﾏﾝｶﾞﾝﾄﾞｰﾌﾟ塗料	101357-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑﾕｰﾛﾋﾟｳﾑﾄﾞｰﾌﾟ塗料	101357-02-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑ金とﾏﾝｶﾞﾝﾄﾞｰﾌﾟ塗料	101357-03-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑﾏﾝｶﾞﾝと銀ﾄﾞｰﾌﾟ塗料	101357-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide sulfide (Cd(Se,S))	硫ｾﾚﾝ化ｶﾄﾞﾐｳﾑ	12626-36-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide sulfide (Cd2SeS)	硫ｾﾚﾝ化ｶﾄﾞﾐｳﾑ	12214-12-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide sulfide (CdSe0.53S0.47)	硫ｾﾚﾝ化ｶﾄﾞﾐｳﾑ (CdSe0.53S0.47)	71243-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide sulfide, (Cd2SeS)	硫ｾﾚﾝ化ｶﾄﾞﾐｳﾑ, (Cd2SeS)	12213-70-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium selenide sulphide	硫化ｾﾚﾝｶﾄﾞﾐｳﾑ	11112-63-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium stearate	ｽﾃｱﾘﾝ酸ｶﾄﾞﾐｳﾑ	2223-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium succinate	ｶﾄﾞﾐﾅｰﾄ	141-00-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfate	硫酸ｶﾄﾞﾐｳﾑ無水物	10124-36-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●		●	●		●	●										●	
Cadmium sulfate	硫酸ｶﾄﾞﾐｳﾑ無水物	31119-53-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●		●			●	●										●	
Cadmium sulfate, hydrate	硫酸ｶﾄﾞﾐｳﾑ8/3水和物	7790-84-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfide	硫化ｶﾄﾞﾐｳﾑ	1306-23-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●	●	●	●		●	●										●	
Cadmium sulphite	亜硫酸ｶﾄﾞﾐｳﾑ	13477-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium tantalum oxide (CdTa2O6)	ﾀﾀﾝｶﾄﾞﾐｳﾑ六酸化物 (CdTa2O6)	12292-07-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium telluride (CdTe)	ﾃﾙﾙ化ｶﾄﾞﾐｳﾑ	1306-25-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium titanium oxide (CdTiO3)	酸化ﾁﾀﾝｶﾄﾞﾐｳﾑ	12014-14-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium tungsten oxide (CdWO4)	ﾀﾝｸﾞｽﾃﾝ酸ｶﾄﾞﾐｳﾑ	7790-85-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium vanadium oxide (CdV2O6)	酸化ｶﾄﾞﾐｳﾑﾊﾞﾅｼﾞｳﾑ(CdV2O6)	16056-72-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium Zinc litophone Yellow	C.I.ﾋﾟｸﾞﾒﾝﾄｲｴﾛｰ35:1	90604-89-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium zinc sulfide	硫化亜鉛ｶﾄﾞﾐｳﾑ	11129-14-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium zinc sulfide ((Cd,Zn)S)	硫化ｶﾄﾞﾐｳﾑ亜鉛 ((Cd,Zn)S)	12442-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium Zink Sulfide Yellow	硫化亜鉛ｶﾄﾞﾐｳﾑ	8048-07-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium zirconium oxide (CdZrO3)	ｼﾞﾙｺﾝ酸ｶﾄﾞﾐｳﾑ	12139-23-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
cadmium(+2) cation diformate	二ｷﾞ酸ｶﾄﾞﾐｳﾑ	4464-23-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium-barium laurate	ﾗｳﾘﾝ酸ｶﾄﾞﾘｳﾑﾊﾞﾘｳﾑ	15337-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmiumbis(diethyldithiocarbamat)	ﾋﾞｽ(ｼﾞｴﾁﾙｼﾞﾁｵｶﾙﾊﾞﾒｰﾄ)ｶﾄﾞﾐｳﾑ	14239-68-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Carbonic acid, cadmium salt	炭酸ｶﾄﾞﾐｳﾑ	93820-02-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Diboron tricadmium hexaoxide	ﾎｳ酸ｶﾄﾞﾐｳﾑ	13701-66-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Dicadmium hexakis(cyano-C)ferrate(4-)	ﾍｷｻｼｱﾉ(ｼｱﾉ-C)ﾌｪﾗｲﾄ(4-)ﾆｶﾄﾞﾐｳﾑ	13755-33-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Diphosphoric acid, barium cadmium salt	二ﾘﾝ酸ﾊﾞﾘｳﾑｶﾄﾞﾐｳﾑ塩	37131-86-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Diphosphoric acid, cadmium salt	二ﾘﾝ酸ｶﾄﾞﾐｳﾑ塩	19262-93-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Diphosphoric acid, cadmium salt (1:2)	二ﾘﾝ酸ｶﾄﾞﾐｳﾑ塩(1:2)	15600-62-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Dipotassium tetrachlorocadmate(2-)	ﾃﾄﾗｸﾛﾛｶﾄﾞﾐｳﾑ酸(2-)二ｶﾘｳﾑ	20648-91-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Nonanoic acid, branched, cadmium salt	分枝ﾉﾅﾝ酸ｶﾄﾞﾐｳﾑ塩	93686-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Phosphoric acid, ammonium cadmium salt (1:1:1)	ﾘﾝ酸ｶﾄﾞﾐｳﾑｱﾝﾓﾆｳﾑ(1:1:1)	14520-70-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Phosphoric acid, cadmium salt	ﾘﾝ酸ｶﾄﾞﾐｳﾑ(Cd(PO4)x)	13847-17-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Phosphoric acid, cadmium salt (2:3)	ﾘﾝ酸ｶﾄﾞﾐｳﾑ(Cd3(PO4)2)	13477-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Selenic acid, cadmium salt (1:1)	ｾﾚﾝ酸ｶﾄﾞﾐｳﾑ	13814-62-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Selenious acid, cadmium salt (1:1)	亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑ(1:1)	13814-59-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Silicic acid (H2SiO3), cadmium salt (1:1)	ﾒﾀｹｲ酸ｶﾄﾞﾐｳﾑ	13477-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Silicic acid, zirconium salt, cadmium pigment-encapsulated		102184-95-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Sulfamic acid, cadmium salt (2:1)	ｽﾙﾌｧﾐﾝ酸ｶﾄﾞﾐｳﾑ塩 (2:1)	14017-36-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Telluric acid (H2TeO3), cadmium salt (1:1)	亜ﾃﾙﾙ酸ｶﾄﾞﾐｳﾑ (1:1)	15851-44-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Telluric acid (H2TeO4), cadmium salt (1:1)	ﾃﾙﾙ酸ｶﾄﾞﾐｳﾑ	15852-14-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Tetradecanoic acid, cadmium salt	ﾐﾘｽﾁﾝ酸ｶﾄﾞﾐｳﾑ	10196-67-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium oxalate	ｼｭｳ酸ｶﾄﾞﾐｳﾑ	814-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium dithiocyanate	ｼﾞﾁｵｼｱﾝ酸ｶﾄﾞﾐｳﾑ	865-38-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Barium cadmium tetrastearate	ﾃﾄﾗｽﾃｱﾘﾝ酸ｶﾄﾞﾐｳﾑﾊﾞﾘｳﾑ	1191-79-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium dioleate	二酸化ｶﾄﾞﾐｳﾑ	10468-30-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium 4-(1,1-dimethylethyl)benzoate	ｶﾄﾞﾐｳﾑ 4-(1,1-ｼﾞﾒﾁﾙｴﾁﾙ)安息香酸塩	4167-05-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium cinnamate	ｼﾅﾐﾝ酸ｶﾄﾞﾐｳﾑ	4390-97-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sebacate	ｾﾊﾞｼﾝ酸ｶﾄﾞﾐｳﾑ	4476-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium nonan-1-oate	ｶﾄﾞﾐｳﾑ･ﾉﾅﾝ-1-ｵｴｰﾄ	5112-16-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium dipalmitate	ｼﾞﾊﾟﾙﾐﾁﾝ酸ｶﾄﾞﾐｳﾑ	6427-86-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium dianthranilate	ｼﾞｱﾝﾄﾗﾆﾙ酸ｶﾄﾞﾐｳﾑ	7058-55-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tris(ethylenediamine)cadmium dihydroxide	ﾄﾘｽ(ｴﾁﾚﾝｼﾞｱﾐﾝ)ｶﾄﾞﾐｳﾑｼﾞﾋﾄﾞﾛｷｼﾄﾞ	14874-24-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium bis(piperidine-1-carbodithioate)	ｶﾄﾞﾐｳﾑﾋﾞｽ(ﾋﾟﾍﾟﾘｼﾞﾝ-1-ｶﾙﾎﾞｼﾞﾁｵｴｰﾄ	14949-59-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Bis(dimethyldithiocarbamato-S,S')cadmium	ﾋﾞｽ(ｼﾞﾒﾁﾙｼﾞﾁｵｶﾙﾊﾞﾏｰﾄ-S,S')ｶﾄﾞﾐｳﾑ	14949-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Disodium tetrakis(cyano-C)cadmate(2-)	ﾃﾄﾗｷｽ(ｼｱﾉ-C)ｶﾄﾞﾐｳﾑ(2-)二ﾅﾄﾘｳﾑ	15682-87-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-)	ｼﾞｶﾘｳﾑ[[N,N'-ｴﾁﾚﾝﾋﾞｽ[N-(ｶﾙﾎﾞｷｼﾒﾁﾙ)ｸﾞﾘｼﾅｰﾄ](4-)-N,N',O,O',ON,ON']ｶﾄﾞﾐｳﾑ(2-)](2.	15708-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium dilactate	ｶﾄﾞﾐｳﾑの希薄化	16039-55-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
5-oxo-L-proline, cadmium salt	5-ｵｷｿ-L-ﾌﾟﾛﾘﾝ、ｶﾄﾞﾐｳﾑ塩	16105-06-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Bis(ethylenediamine)cadmium(2+) bis[dicyanoaurate(1-)]	ﾋﾞｽ(ｴﾁﾚﾝｼﾞｱﾐﾝ)ｶﾄﾞﾐｳﾑ(2+)ﾋﾞｽ[ｼﾞｼｱﾉｱｳﾚｰﾄ(1-)	18974-20-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium diphenolate	ｼﾞﾌｪﾉｰﾙ酸ｶﾄﾞﾐｳﾑ	18991-05-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium bis(dipentyldithiocarbamate)	ｶﾄﾞﾐｳﾑﾋﾞｽ(ｼﾞﾍﾟﾝﾁﾙｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸塩)	19010-65-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium disalicylate	ｼﾞｻﾘﾁﾙ酸ｶﾄﾞﾐｳﾑ	19010-79-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Dimethylcadmium	ｼﾞﾒﾁﾙｶﾄﾞﾐｳﾑ	506-82-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium di(octanoate)	ｵｸﾀﾝ酸ｶﾄﾞﾐｳﾑ	2191-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium p-toluate	p-ﾄﾙｴﾝ酸ｶﾄﾞﾐｳﾑ	2420-97-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium dilaurate	ｶﾄﾞﾐｳﾑｼﾞﾗｳﾚｰﾄ	2605-44-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium didecanoate	ｼﾞﾃﾞｶﾝ酸ｶﾄﾞﾐｳﾑ	2847-16-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium bis[benzoate]	ｶﾄﾞﾐｳﾑﾋﾞｽ[安息香酸塩]	3026-22-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium bis(4-cyclohexylbutyrate)	ｶﾄﾞﾐｳﾑﾋﾞｽ(4-ｼｸﾛﾍｷｼﾙ酪酸塩)	55700-14-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium divalerate	二価ｶﾄﾞﾐｳﾑ	56982-42-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium methacrylate	ﾒﾀｸﾘﾙ酸ｶﾄﾞﾐｳﾑ	24345-60-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium epoxyoctadecanoate	ｴﾎﾟｷｼｵｸﾀﾃﾞｶﾝ酸ｶﾄﾞﾐｳﾑ	26264-48-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium toluate	ﾄﾙｴﾝ酸ｶﾄﾞﾐｳﾑ	27476-27-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
[[N,N'-ethylenebis[glycinato]](2-)-N,N',O,O']cadmium	N,N'-ｴﾁﾚﾝﾋﾞｽ[ｸﾞﾘｼﾅﾄ](2-)-N,N',O,O']ｶﾄﾞﾐｳﾑ	29977-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium isooctanoate	ｲｿｵｸﾀﾝ酸ｶﾄﾞﾐｳﾑ	30304-32-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium dodecylbenzenesulphonate	ﾄﾞﾃﾞｼﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｶﾄﾞﾐｳﾑ	31017-44-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium (1,1-dimethylethyl)benzoate	ｶﾄﾞﾐｳﾑ(1,1-ｼﾞﾒﾁﾙｴﾁﾙ)安息香酸塩	31215-94-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium [R-(R*,R*)]-tartrate	ｶﾄﾞﾐｳﾑ[R-(R*,R*)]-酒石酸塩	34100-40-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium didocosanoate	ｼﾞﾄﾞｺｻﾉｴｰﾄｶﾄﾞﾐｳﾑ	34303-23-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-)	0	35803-35-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium 3,5,5-trimethylhexanoate	3,5,5-ﾄﾘﾒﾁﾙﾍｷｻﾝ酸ｶﾄﾞﾐｳﾑ	36211-44-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium(2+) (R)-12-hydroxyoctadecanoate	ｶﾄﾞﾐｳﾑ(2+) (R)-12-ﾋﾄﾞﾛｷｼｵｸﾀﾃﾞｶﾉｴｰﾄ	38517-19-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Leach residues, cadmium-refining	浸出残渣、ｶﾄﾞﾐｳﾑ精錬	69029-70-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Residues, cadmium-refining	残留物、ｶﾄﾞﾐｳﾑ精錬	69029-77-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Slimes and Sludges, cadmium-refining, oxidized	ｽﾗｲﾑとｽﾗｯｼﾞ、ｶﾄﾞﾐｳﾑ精錬、酸化物	69029-90-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Slimes and Sludges, cadmium sump tank	ｽﾗｲﾑとｽﾗｯｼﾞ、ｶﾄﾞﾐｳﾑｻﾝﾌﾟﾀﾝｸ	69029-91-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium(2+) 12-hydroxyoctadecanoate	ｶﾄﾞﾐｳﾑ(2+) 12-ﾋﾄﾞﾛｷｼｵｸﾀﾃﾞｶﾉｴｰﾄ	69121-20-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium potassium 1-(hydroxyethylidene)bisphosphonate(1:2:1)	ｶﾄﾞﾐｳﾑｶﾘｳﾑ1-(ﾋﾄﾞﾛｷｼｴﾁﾘﾃﾞﾝ)ﾋﾞｽﾎｽﾎﾈｰﾄ(1:2:1)	69190-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Fatty acids, C12-18, barium cadmium salts	脂肪酸、C12-18、ﾊﾞﾘｳﾑｶﾄﾞﾐｳﾑ塩	70084-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
(R)-12-hydroxyoleic acid, barium cadmium salt	(R)-12-ﾋﾄﾞﾛｷｼｵﾚｲﾝ酸、ﾊﾞﾘｳﾑｶﾄﾞﾐｳﾑ塩	71411-66-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Tetra-μ-chlorodichlorobis[2-[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]tricadmium, stereoisomer	ﾃﾄﾗ-μ-ｸﾛﾛｼﾞｸﾛﾛﾋﾞｽ[2-[(2,3-ｼﾞﾋﾄﾞﾛｷｼﾌﾟﾛﾎﾟｷｼ)ﾋﾄﾞﾛｷｼﾎｽﾌｨﾆﾙ]ｵｷｼ]ﾄﾘｴﾁﾙﾒﾁﾙｱﾝﾓﾆﾏｰﾄ]ﾄﾘｶﾄﾞﾐｳﾑ、立体異性体	71861-27-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Fatty acids, coco, cadmium salts	脂肪酸、ｶｶｵ、ｶﾄﾞﾐｳﾑ塩	72869-63-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Zircon, cadmium yellow	ｼﾞﾙｺﾝ、ｶﾄﾞﾐｳﾑｲｴﾛｰ	72968-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium isononanoate	ｲｿﾉﾅﾉ酸ｶﾄﾞﾐｳﾑ	84696-56-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium isooctadecanoate	ｲｿｵｸﾀﾃﾞｶﾝ酸ｶﾄﾞﾐｳﾑ	84878-36-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium tert-decanoate	ﾃﾞｶﾝ酸ｶﾄﾞﾐｳﾑ	84878-37-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium bis(nonylphenolate)	ｶﾄﾞﾐｳﾑﾋﾞｽ(ﾉﾆﾙﾌｪﾚｰﾄ)	84878-48-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium bis(octylphenolate)	ｶﾄﾞﾐｳﾑﾋﾞｽ(ｵｸﾁﾙﾌｪﾉｰﾙ酸塩)	84878-51-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Flue dust, lead-manufg., cadmium-rich	排煙塵、鉛ﾏﾆﾌｪｽﾄ、ｶﾄﾞﾐｳﾑ含有量	85117-02-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Waste solids, cadmium-electrolysis, thallium-rich	廃棄物、ｶﾄﾞﾐｳﾑ電解、ﾀﾘｳﾑﾘｯﾁ	85117-20-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Naphthenic acids, cadmium salts	ﾅﾌﾃﾝ酸、ｶﾄﾞﾐｳﾑ塩	61789-34-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium neodecanoate	ﾈｵﾃﾞｶﾝ酸ｶﾄﾞﾐｳﾑ	61951-96-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium bis(heptadecanoate)	ｶﾄﾞﾐｳﾑﾋﾞｽ(ﾍﾌﾟﾀﾃﾞｶﾝｴｰﾄ)	62149-56-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium pentadecanoate	ﾍﾟﾝﾀﾃﾞｶﾝ酸ｶﾄﾞﾐｳﾑ	63400-09-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
(S)-dichloro[2-[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]cadmium	(S)-ｼﾞｸﾛﾛ[2-[(2,3-ｼﾞﾋﾄﾞﾛｷｼﾌﾟﾛﾎﾟｷｼ)ﾋﾄﾞﾛｷｼﾎｽﾌｨﾆﾙ]ｵｷｼ]ﾄﾘｴﾁﾙﾒﾁﾙｱﾝﾓﾆﾏｰﾄ]ｶﾄﾞﾐｳﾑ	64681-08-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Bis(propane-1,2-diyldiamine-N,N')cadmium(2+) bis[bis(cyano-C)aurate(1-)]	ﾋﾞｽ(ﾌﾟﾛﾊﾟﾝ-1,2-ｼﾞｲﾙｼﾞｱﾐﾝ-N,N')ｶﾄﾞﾐｳﾑ(2+)ﾋﾞｽ[ﾋﾞｽ(ｼｱﾉ-C)ｱｳﾚｰﾄ(1-)]。	67906-19-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium dilinoleate	ｼﾞﾘﾉｰﾙ酸ｶﾄﾞﾐｳﾑ	67939-62-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Tetrapotassium [[[nitrilotris(methylene)]tris[phosphonato]](6-)-N,O,O'',O''']cadmate(6-)	ﾃﾄﾗｶﾘｳﾑ[[[ﾆﾄﾘﾛﾘｽ(ﾒﾁﾚﾝ)]ﾄﾘｽ[ﾎｽﾎﾈｰﾄ]](6-)-N,O,O'',O''',O''''	67989-93-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium m-toluate	m-ﾄﾙｴﾝ酸ｶﾄﾞﾐｳﾑ	68092-45-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Fatty acids, C10-18, cadmium salts	脂肪酸、C10-18、ｶﾄﾞﾐｳﾑ塩	68131-58-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Fatty acids, C12-18, cadmium salts	脂肪酸、C12-18、ｶﾄﾞﾐｳﾑ塩	68131-59-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzyltriphenylphosphonium tetrachlorocadmate	ﾍﾞﾝｼﾞﾙﾄﾘﾌｪﾆﾙﾎｽﾎﾆｳﾑﾃﾄﾗｸﾛﾛｶﾄﾞﾐｳﾑ	68214-25-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Pentapotassium hydrogen [[[ethylenebis[nitrilobis(methylene)]]tetrakis[ﾎｽﾎﾅﾄ]](8-)]cadmate(6-)	水素ﾍﾟﾝﾀｶﾘｳﾑ[[[ｴﾁﾚﾝﾋﾞｽ[ﾆﾄﾘﾙﾋﾞｽ(ﾒﾁﾚﾝ)]]ﾃﾄﾗｷｽ[ﾎｽﾎﾅﾄ]](8-)]ｶﾄﾞﾒｰﾄ(6-)	68309-98-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped	硫化ｶﾄﾞﾐｳﾑ(CdS)、硫化亜鉛、銅、鉛ﾄﾞｰﾌﾟの固体ｿﾞﾙ	68332-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Fatty acids, C14-18, cadmium salts	脂肪酸、C14-18、ｶﾄﾞﾐｳﾑ塩	68409-82-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium, benzoate p-tert-butylbenzoate complexes	ｶﾄﾞﾐｳﾑ、安息香酸p-tert-ﾌﾞﾁﾙ安息香酸錯体	68478-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Pyrochlore, bismuth cadmium ruthenium	ﾊﾟｲﾛｸﾛｱ、ﾋﾞｽﾏｽ・ｶﾄﾞﾐｳﾑ・ﾙﾃﾆｳﾑ	68479-13-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped	硫化ｶﾄﾞﾐｳﾑ(CdS)、硫化亜鉛、ｱﾙﾐﾆｳﾑ、ｺﾊﾞﾙﾄ、銅、銀をﾄﾞｰﾌﾟしﾀ固体ｿﾞﾙ	68784-10-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped	ﾊﾞﾘｳﾑ・ｶﾄﾞﾐｳﾑ・ｶﾙｼｳﾑ・塩化物・ﾌｯ化物・ﾘﾝ酸塩・ｱﾝﾁﾓﾝ・ﾏﾝｶﾞﾝﾄﾞｰﾌﾟ	68784-55-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Fatty acids, tall-oil, cadmium salts	脂肪酸、ﾄｰﾙ油、ｶﾄﾞﾐｳﾑ塩	68855-80-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Fatty acids, C8-18 and C18-unsatd., cadmium salts	脂肪酸、C8-18ｵﾖﾋﾞC18-unsatd.、ｶﾄﾞﾐｳﾑ塩	68876-84-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium sulfide (CdS), aluminum and copper-doped	硫化ｶﾄﾞﾐｳﾑ(CdS)、ｱﾙﾐﾆｳﾑ、銅ﾄﾞｰﾌﾟ	68876-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium sulfide (CdS), aluminum and silver-doped	硫化ｶﾄﾞﾐｳﾑ(CdS)、ｱﾙﾐﾆｳﾑ、銀ﾄﾞｰﾌﾟ	68876-99-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium sulfide (CdS), copper chloride-doped	硫化ｶﾄﾞﾐｳﾑ(CdS)、塩化銅ﾄﾞｰﾌﾟ	68877-00-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium sulfide (CdS), silver chloride-doped	硫化ｶﾄﾞﾐｳﾑ(CdS)、塩化銀ﾄﾞｰﾌﾟ	68877-01-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium sulfide (CdS), copper and lead-doped	硫化ｶﾄﾞﾐｳﾑ(CdS)、銅、鉛ﾄﾞｰﾌﾟ	68891-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Fatty acids, tallow, hydrogenated, cadmium salts	脂肪酸、獣脂、水添、ｶﾄﾞﾐｳﾑ塩	68953-39-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Resin acids and Rosin acids, cadmium salts	樹脂酸ﾄﾛｼﾞﾝ酸、ｶﾄﾞﾐｳﾑ塩	68956-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Hydrogen [4-[(5-chloro-4-methyl-2-sulphophenyl)azo]-3-hydroxynaphthalene-2-carboxylato(3-)]cadmate(1-)	水素[4-[(5-ｸﾛﾛ-4-ﾒﾁﾙ-2-ｽﾙﾎﾌｪﾆﾙ)ｱｿﾞ]-3-ﾋﾄﾞﾛｷｼﾅﾌﾀﾚﾝ-2-ｶﾙﾎﾞｷｼﾚｰﾄ(3-)]ｶﾄﾞﾒｰﾄ(1-)の場合	68966-97-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium, dross	ｶﾄﾞﾐｳﾑ、ﾄﾞﾛｽ	69011-69-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Wastewater, cadmium sulfate electrolytic, acid	廃水、硫酸ｶﾄﾞﾐｳﾑ電解、酸	69012-21-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Flue dust, cadmium-refining	排煙塵、ｶﾄﾞﾐｳﾑ精錬	69012-57-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Calcines, cadmium residue	ｶﾙｼﾝ、ｶﾄﾞﾐｳﾑ残留物	69029-63-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium tetrapentyl bis(phosphate)	ｶﾄﾞﾐｳﾑﾃﾄﾗﾍﾟﾝﾁﾙﾋﾞｽ(ﾘﾝ酸)	94232-49-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium isooctyl phthalate (1:2:2)	ﾌﾀﾙ酸ｶﾄﾞﾐｳﾑｲｿｵｸﾁﾙ(1:2:2	94247-16-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium (1-ethylhexyl) phthalate (1:2:2)	ﾌﾀﾙ酸ｶﾄﾞﾐｳﾑ(1-ｴﾁﾙﾍｷｼﾙ) (1:2:2)	94275-93-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium octyl phthalate (1:2:2)	ﾌﾀﾙ酸ｵｸﾁﾙｶﾄﾞﾐｳﾑ(1:2:2)	94275-94-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Leach residues, cadmium-contg. flue dust	浸出残留物､ｶﾄﾞﾐｳﾑ含有煙道ﾀﾞｽﾄ	94551-70-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium isohexadecanoate	ｲｿﾍｷｻﾃﾞｶﾝ酸ｶﾄﾞﾐｳﾑ	95892-12-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium diisobutyl dimaleate	ｼﾞｲｿﾌﾞﾁﾙﾏﾚｲﾝ酸ｶﾄﾞﾐｳﾑ	97259-82-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Fatty acids, C9-11-branched, cadmium salts	脂肪酸､C9-11分岐､ｶﾄﾞﾐｳﾑ塩	85586-15-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Bis(5-oxo-L-prolinato-N1,O2)cadmium	ﾋﾞｽ(5-ｵｷｿ-L-ﾌﾟﾛﾘﾅｰﾄ-N1,O2)ｶﾄﾞﾐｳﾑ	85958-86-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Bis(5-oxo-DL-prolinato-N1,O2)cadmium	ﾋﾞｽ(5-ｵｷｿ-DL-ﾌﾟﾛﾘﾅｰﾄ-N1,O2)ｶﾄﾞﾐｳﾑ	85994-31-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Benzenesulfonic acid, mono-C10-13-alkyl derivs., cadmium salts	ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸､ﾓﾉ-C10-13-ｱﾙｷﾙ誘導体､ｶﾄﾞﾐｳﾑ塩	90194-35-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Benzoic acid, cadmium salt, basic	安息香酸､ｶﾄﾞﾐｳﾑ塩､塩基性	90218-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Decanoic acid, branched, cadmium salts	ﾃﾞｶﾝ酸､分岐､ｶﾄﾞﾐｳﾑ塩	90342-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Hexanoic acid, 2-ethyl-, cadmium salt, basic	ﾍｷｻﾝ酸､2-ｴﾁﾙ-､ｶﾄﾞﾐｳﾑ塩､塩基性	90411-62-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Propanoic acid, cadmium salt, basic	ﾌﾟﾛﾊﾟﾝ酸､ｶﾄﾞﾐｳﾑ塩､塩基性物質	90529-78-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Leach residues, cadmium cake	浸出残留物､ｶﾄﾞﾐｳﾑｹｰｷ	91053-44-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Leach residues, zinc ore-calcine, cadmium-copper ppt.	浸出残渣､亜鉛鉱石､ｶﾙｼﾝ､ｶﾄﾞﾐｳﾑ-銅 ppt.	91053-46-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Fatty acids, castor-oil, hydrogenated, cadmium salts	脂肪酸､ﾋﾏｼ油､水添､ｶﾄﾞﾐｳﾑ塩	91697-35-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Fatty acids, C8-10-branched, cadmium salts	脂肪酸､C8-10分岐､ｶﾄﾞﾐｳﾑ塩	92257-06-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Leach residues, zinc refining flue dust, cadmium-thallium ppt.	浸出残渣､亜鉛精錬排ｶﾞｽ､ｶﾄﾞﾐｳﾑ-ﾀﾘｳﾑpt.	92257-11-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Fatty acids, C9-13-neo-, cadmium salts	脂肪酸､C9-13-ﾈｵ､ｶﾄﾞﾐｳﾑ塩	92704-12-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Fatty acids, olive-oil, cadmium salts	脂肪酸､ｵﾘｰﾌﾞｵｲﾙ､ｶﾄﾞﾐｳﾑ塩	92704-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Fatty acids, peanut-oil, cadmium salts	脂肪酸､ﾋﾟｰﾅｯﾂｵｲﾙ､ｶﾄﾞﾐｳﾑ塩	92704-19-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Fatty acids, rape-oil, cadmium salts	脂肪酸､菜種油､ｶﾄﾞﾐｳﾑ塩	92704-24-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Fatty acids, C14-18 and C18-unsatd., branched and linear, hydrogenated, cadmium salts	脂肪酸､C14-18ｵﾖﾋﾞC18-unsatd.､分岐および直鎖、水素添加､ｶﾄﾞﾐｳﾑ塩	92797-28-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Bis(2-ethylhexyl mercaptoacetato - O',S)cadmium	ﾋﾞｽ(2-ｴﾁﾙﾍｷｼﾙﾒﾙｶﾌﾟﾄｱｾﾄ-O',S)ｶﾄﾞﾐｳﾑ	93858-50-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium bis(o-nonylphenolate)	ｶﾄﾞﾐｳﾑﾋﾞｽ(o-ﾉﾆﾙﾌｪﾉﾚｰﾄ)	93894-07-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium bis(p-nonylphenolate)	ｶﾄﾞﾐｳﾑﾋﾞｽ(p-ﾉﾆﾙﾌｪﾉﾚｰﾄ)	93894-08-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate]	ｶﾄﾞﾐｳﾑﾋﾞｽ[p-(1,1,3,3-ﾃﾄﾗﾒﾁﾙﾌﾞﾁﾙ)ﾌｪﾉｰﾙ酸塩	93894-09-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium (Z)-hexadec-9-enoate	ｶﾄﾞﾐｳﾑ(Z)-ﾍｷｻﾃﾞｯｸ-9-ｴﾉｴｰﾄ	93894-10-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium isodecanoate	ｲｿﾃﾞｶﾝ酸ｶﾄﾞﾐｳﾑ	93965-24-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium bis(isoundecanoate)	ｶﾄﾞﾐｳﾑﾋﾞｽ(ｲｿｳﾝﾃﾞｶﾝｴｰﾄ)	93965-30-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium dimethylhexanoate	ｼﾞﾒﾁﾙﾍｷｻﾝ酸ｶﾄﾞﾐｳﾑ	93983-65-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Bis(dibutyldithiocarbamato-S,S')cadmium	ﾋﾞｽ(ｼﾞﾌﾞﾁﾙﾄﾞｼﾞﾁｵｶﾙﾊﾞﾏｰﾄ-S,S')ｶﾄﾞﾐｳﾑ	14566-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Bis(pentane-2,4-dionato-O,O')cadmium	ﾋﾞｽ(ﾍﾟﾝﾀﾝ-2,4-ｼﾞｵﾅﾄ-O,O')ｶﾄﾞﾐｳﾑ	14689-45-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']cadmate(1-)	ｶﾘｳﾑ[N,N-ﾋﾞｽ(ｶﾙﾎﾞｷｼﾒﾁﾙ)ｸﾞﾘｼﾅｰﾄ(3-)-N,O,O',O'']ｶﾄﾞﾒｰﾄ(1-)ﾉ場合	49784-42-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Bis[N,N-bis(carboxymethyl)glycinato(3-)]tricadmium	ﾋﾞｽ[N,N-ﾋﾞｽ(ｶﾙﾎﾞｷｼﾒﾁﾙ)ｸﾞﾘｼﾅｰﾄ(3-)]ﾄﾘｶﾄﾞﾐｳﾑ	50648-02-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium o-toluate	o-ﾄﾙｴﾝ酸ｶﾄﾞﾐｳﾑ	52337-78-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmate(1-), triiodo-, potassium		14429-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
cadmium zinc telluride		303114-50-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Zircon, cadmium orange	ｼﾞﾙｺﾝ､ｶﾄﾞﾐｳﾑｵﾚﾝｼﾞ	99749-34-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Flue dust, copper-lead blast furnace, cadmium-indium-enriched	排煙塵､銅鉛高炉､ｶﾄﾞﾐｳﾑｲﾝｼﾞｳﾑ富化体	100656-55-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Dodecanoic acid, cadmium salt, basic	ﾄﾞﾃﾞｶﾝ酸､ｶﾄﾞﾐｳﾑ塩､塩基性	101012-89-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Octadecanoic acid, cadmium salt, basic	ｵｸﾀﾃﾞｶﾝ酸､ｶﾄﾞﾐｳﾑ塩､塩基性	101012-93-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Octadecanoic acid, 12-hydroxy-, cadmium salt, basic	ｵｸﾀﾃﾞｶﾝ酸､12-ﾋﾄﾞﾛｷｼ-､ｶﾄﾞﾐｳﾑ塩､塩基性	101012-94-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium di(acetate), dihydrate		5743-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium (II) chloride monohydrate	塩化ｶﾄﾞﾐｳﾑ	35658-65-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfate hydrate		15244-35-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium perchlorate hexahydrate	過塩素酸ｶﾄﾞﾐｳﾑ六水和物	10326-28-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium chloride hydrate	塩化ｶﾄﾞﾐｳﾑ水和物	654054-66-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium trichloride 1 sodium		55425-74-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfate sodium		28038-18-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Potassium sulfate cadmium		28038-25-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Monoammonium cadmium triiodide		32593-99-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfate caesium hexahydrate		34345-39-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Potassium sulfate cadmium dihydrate		38386-25-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium chloride magnesium dodecahydrate		77289-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium chlorate		22750-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Barium tetrachlorocadmate(2-)		99587-10-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium, (29H,31H-phthalocyaninato(2-)-kappaN29,kappaN30,kappaN31,kappaN32)-, (SP-4-1)-		21328-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium acetate hydrate		89759-80-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Dihydrogen bis[hydroxysuccinato(2-)-O1,O2,O4]cadmate(2-)		71436-99-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Barium di-μ-chlorotetrachlorodicadmate(2-)		61129-40-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper chloride-doped		68512-49-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and manganese-doped		68512-50-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and copper-doped		68512-51-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and silver-doped		68583-43-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, nickel and silver-doped		68583-44-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped		68583-45-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and silver-doped		68584-41-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and nickel-doped		68584-42-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium bromate		14518-94-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Zircon, cadmium red		72828-62-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium, diethyl-		592-02-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hydrogen [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']cadmate		49784-44-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium perchlorate hydrate		79490-00-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium sulfate octahydrate		22465-18-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium, chloro(1,10-phenanthroline-2-carboxylato)-, polymers		25685-75-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium hydroxide hydrate		29736-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Disodium ethylenediaminetetraacetate cadmium		30363-28-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium mesosulfate (CdH2SO5) (7CI)		13477-20-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium sulfate, tetrahydrate		13477-21-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Sulfuric acid, cadmium salt (1:1), heptahydrate		13477-22-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Cadmium perchlorate (6CI,7CI)		13760-37-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
D-Glucopyranose, 4-O-α-D-glucopyranosyl-		16984-36-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Octadecanoic acid, barium cadmium salt		17033-07-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
UNDECANSAEURE-CD-SALZ		17329-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Ammonium cadmium chloride (Ammonium cadmium trichloride)		18532-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Benzenediazonium, 4-(phenylamino)-, sulfate (1:1), polymer with formaldehyde, cadmium chloride complexes		68441-39-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium borate oxide (Cd3(BO2)4O), manganese-doped		68784-58-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Barium cadmium zinc sulfide (Ba2(Cd,Zn)S3), manganese-doped		68876-90-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium laurate, palmitate, stearate		68954-18-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sponge		69011-70-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Slimes and Sludges, cadmium electrolytic		69029-89-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium chloride (CdCl2), tetrahydrate		70206-08-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium, dichlorotetrakis(1H-imidazole-kappaN3)-		72275-93-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium chloride dihydrate		72589-96-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium zinc sulfide ((Cd,Zn)S), cobalt and copper-doped		72869-26-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nitric acid, cadmium salt, hydrate		79990-52-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Nitric acid, cadmium salt, dodecahydrate		85688-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Pentanoic acid, 2-propyl-, cadmium salt		87835-30-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
2-Butenedioic acid (Z)-, monooctadecyl ester, cadmium salt		71599-06-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
22-Tricosenoic acid, cadmium salt		76835-97-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Tetracosanoic acid, cadmium salt		116854-17-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Tricosanoic acid, cadmium salt		116920-59-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Selenic acid, cadmium salt (1:1), dihydrate		10060-09-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Tetraiodide diammonium cadmium		105034-60-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium trichloride monopotassium		14429-85-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium potassium hexachloride		15276-40-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium bromide rubidium		16593-57-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium chloride rubidium		18532-58-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium sodium tetrachloride		21360-94-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cesium sulfate cadmium		28041-77-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Cadmium chloride potassium hydrate		28302-54-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Potassium sulfate cadmium hexahydrate		30623-04-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Chlorinated hydrocarbons, selected	塩素化炭化水素類、抜粋		Prohibited			●																
1,1,1-Trichloroethane (Ethane, 1,1,1-trichloro-)	1,1,1-ﾄﾘｸﾛﾛｴﾀﾝ	71-55-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●	●															●	
1,1,1,2 Tetrachloroethane	1.1.1,2-ﾃﾄﾗｸﾛﾛｴﾀﾝ	630-20-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●			●													●	
1,1,2 Trichloroethane	1.1.2-ﾄﾘｸﾛﾛｴﾀﾝ	79-00-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●			●													●	
Dichloromethane	ｼﾞｸﾛﾛﾒﾀﾝ	75-09-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●			●													●	
Trichloroethylene	ﾄﾘｸﾛﾛｴﾁﾚﾝ	79-01-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●				●					●			●	
Chlorinated or brominated Dibenzo-p-dioxins or Dibenzofurans, all members	塩素系または臭素系ジベンゾ-p-ダイオキシン類またはジベンゾフラン類、全て		Prohibited			●																
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,6,7,8-ﾍﾌﾟﾀｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	67562-39-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-ﾍﾌﾟﾀｸﾛﾛｼﾞﾍﾞﾝｿﾞｼﾞｵｷｼﾝ	35822-46-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																	
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1,2,3,4,7,8,9-ﾍﾌﾟﾀｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	55673-89-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																	
1,2,3,4,7,8-Hexachloro dibenzofuran	1,2,3,4,7,8-ﾍｷｻｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	70648-26-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,4,7,8-ﾍｷｻｸﾛﾛｼﾞﾍﾞﾝｿﾞｼﾞｵｷｼﾝ	39227-28-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																	
1,2,3,6,7,8-Hexachloro dibenzofuran	1,2,3,6,7,8-ﾍｷｻｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	57117-44-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,6,7,8-ﾍｷｻｸﾛﾛｼﾞﾍﾞﾝｿﾞｼﾞｵｷｼﾝ	57653-85-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2,3,7,8,9-Hexachloro dibenzofuran	1,2,3,7,8,9-ﾍｷｻｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	72918-21-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-ﾍｷｻｸﾛﾛｼﾞﾍﾞﾝｿﾞｼﾞｵｷｼﾝ	19408-74-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
1,2,3,7,8-Pentachloro dibenzofuran	1,2,3,7,8-ﾍﾟﾝﾀｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	57117-41-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,7,8-ﾍﾟﾝﾀｸﾛﾛｼﾞﾍﾞﾝｿﾞｼﾞｵｷｼﾝ	40321-76-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
2,3,4,6,7,8-Hexachloro dibenzofurans	2,3,4,6,7,8-ﾍｷｻｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	60851-34-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
2,3,4,7,8-Pentachloro dibenzofurans	2,3,4,7,8-ﾍﾟﾝﾀｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	57117-31-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
2,3,7,8-Tetrachloro dibenzofurans	2,3,7,8-ﾃﾄﾗｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	51207-31-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	2,3,7,8-ﾃﾄﾗｸﾛﾛｼﾞﾍﾞﾝｿﾞ-1,4-ｼﾞｵｷｼﾝ	1746-01-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●															●	
2,7-Dichlorodibenzo-p-dioxin	2,7-ｼﾞｸﾛﾛｼﾞﾍﾞﾝｿﾞ-p-ｼﾞｵｷｼﾝ	33857-26-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
Hexachlorodibenzodioxin	ﾍｷｻｸﾛﾛｼﾞﾍﾞﾝｿﾞ-p-ｼﾞｵｷｼﾝ	34465-46-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
Octachlorodibenzofuran	1,2,3,4,6,7,8,9-ｵｸﾀｸﾛﾛｼﾞﾍﾞﾝｿﾞﾌﾗﾝ	39001-02-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
Octachlorodibenzo-p-dioxin	1,2,3,4,6,7,8,9-ｵｸﾀｸﾛﾛｼﾞﾍﾞﾝｿﾞｼﾞｵｷｼﾝ	3268-87-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	●																
Chlorinated paraffins, short & medium chain length (SCCP, MCCP), all members: Note that the use of specific CAS numbers for these substances differs throughout the world. Example CAS numbers are provided below; however, other CAS numbers may be used that are not specific to chain length. Therefore, please consult your MSDS and supplier to determine product-specific chain length.						●																
Short chain (SCCP), by definition: Chloroparaffins, unbranched, CxH(2x-y+2)Cly, where x = 10-13 and y = 1-13			Prohibited																			
Alkanes, C10-12, chloro	ｱﾙｶﾝ, C10-12, ｸﾛﾛ	108171-26-2	Prohibited	All applications and products	Intentionally added	●	●						●								●	
Alkanes, C10-13, chloro	ｱﾙｶﾝ, C10-13, ｸﾛﾛ	85535-84-8	Prohibited	All applications and products	Intentionally added	●	●	●					●					●		●		
Alkanes, C12-13, chloro	ｱﾙｶﾝ, C12-13, ｸﾛﾛ	71011-12-6	Prohibited	All applications and products	Intentionally added	●	●						●									
Medium chain (MCCP), by definition: Chloroparaffins, unbranched, CxH(2x-y+2)Cly, where x = 14-17 and y = 1-17																						
Alkanes, C14-17, chloro	ｱﾙｶﾝ､C14-17､ｸﾛﾛ	85535-85-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Tetradecane, chloro derivs.		198840-65-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Alkanes, C14-16, chloro		1372804-76-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
OTHER: may or may not be short or medium chain.			Prohibited																			

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Alkanes, C10-21, chloro	ｱﾙｶﾝ, C10-21, ｸﾛﾛ	84082-38-2	Prohibited	All applications and products	Intentionally added	●							●									
Alkanes, chloro; chloroparaffins	塩素化塩化炭化水素類	61788-76-9	Prohibited	All applications and products	Intentionally added	●	●						●									
Paraffin oils, chloro		85422-92-0	Prohibited	All applications and products	Intentionally added	●							●									
Paraffin waxes and Hydrocarbon waxes, chloro	ｸﾛﾛﾜｯｸｽ	51990-12-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●																
Paraffin waxes, chloro	塩素化ﾊﾟﾗﾌｨﾝﾜｯｸｽ	63449-39-8	Prohibited	All applications and products	Intentionally added	●							●									
Chlorinated n-paraffins (C6-18)	塩化ﾊﾟﾗﾌｨﾝ(炭素数6-18ﾉ化合物ﾆ限ﾙ)	68920-70-7	Prohibited	All applications and products	Intentionally added	●							●									
Alkane, C10-14-, Chloro-	ｱﾙｶﾝ､C10-14､ｸﾛﾛ	85681-73-8	Prohibited	All applications and products	Intentionally added	●							●									
Alkane, C12-14-, Chloro-	ｱﾙｶﾝ､C12-14､ｸﾛﾛ	85536-22-7	Prohibited	All applications and products	Intentionally added	●							●									
Alkane, C16-27-, Chloro-	ｱﾙｶﾝ､C16-27､ｸﾛﾛ	84776-07-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●																
Alkane, C16-35-, Chloro-	ｱﾙｶﾝ､C16-35､ｸﾛﾛ	85049-26-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●																
Alkanes, C10-26, chloro		97659-46-6	Prohibited	All applications and products	Intentionally added	●							●									
Alkanes, C10-32, chloro		84776-06-7	Prohibited	All applications and products	Intentionally added	●							●									
Paraffins (petroleum), normal C>10, chloro		97553-43-0	Prohibited	All applications and products	Intentionally added	●							●									
Undecane, 1,1,1,3,5,7,9,11,11-nonachloro-		18993-26-5	Prohibited	All applications and products	Intentionally added	●							●									
Undecane, 1,1,1,3,6,7,10,11-octachloro-		601523-20-0	Prohibited	All applications and products	Intentionally added	●							●									
Undecane, 1,1,1,3,9,11,11,11-octachloro-		601523-25-5	Prohibited	All applications and products	Intentionally added	●							●									
Undecane, 1,2,10,11,?,?,?,?-octachloro-		221174-07-8	Prohibited	All applications and products	Intentionally added	●							●									
Undecane, decachloro-		276673-33-7	Prohibited	All applications and products	Intentionally added	●							●									
Undecane, heptachloro-		219697-10-6	Prohibited	All applications and products	Intentionally added	●							●									
Undecane, nonachloro-		219697-11-7	Prohibited	All applications and products	Intentionally added	●							●									
Undecane, octachloro-		36312-81-9	Prohibited	All applications and products	Intentionally added	●							●									
1,1,1,2-tetrachloroundecane		63981-28-2	Prohibited	All applications and products	Intentionally added	●							●									
Chlorinated microcrystalline hydrocarbon waxes (petroleum)		68938-43-2	Prohibited	All applications and products	Intentionally added	●							●									
Chloroalkane (C = 10 to 22)		104948-36-9	Prohibited	All applications and products	Intentionally added	●							●									
Chloroalkane (C = 12 to 16)		866758-65-8	Prohibited	All applications and products	Intentionally added	●							●									
5-Chlorobenzotriazole, 2-(2-Hydroxy-3-tert-butyl-5-methylphenyl)- (UV-326)		3896-11-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Chromium(VI)-salts, all members	六価ｸﾛﾑ塩、全て		Prohibited			●																

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ammonium bichromate	重ｸﾛﾑ酸ｱﾝﾓﾆｳﾑ	7789-09-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●	●	●	●	●									●	●
Ammonium chromate	ｸﾛﾑ酸ｱﾝﾓﾆｳﾑ	7788-98-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	●
Barium chromate	ｸﾛﾑ(Ⅵ)酸ﾊﾞﾘｳﾑ	10294-40-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●									●	●
Cadmium chromate	ｸﾛﾑ酸ｶﾄﾞﾐｳﾑ	14312-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	●
C.I. Pigment Orange 21	ﾋﾟｸﾞﾒﾝﾄｵﾚﾝｼﾞ21	1344-38-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	●
Calcium chromate	ｸﾛﾑ酸ｶﾙｼｳﾑ	13765-19-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●									●	●
Chromic acid, calcium salt, (Calcium dichromate)		14307-33-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	●
Cesium chromate	ｸﾛﾑ酸ｾｼｳﾑ	13454-78-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	●
Chromate(1-), chlorotrioxo-, potassium, (T-4)-	塩化ｸﾛﾑ酸ｶﾘｳﾑ	16037-50-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	●
Chromic acid	ｸﾛﾑ酸(溶液)	7738-94-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●		●	●	●									●	●
Chromic acid (H2Cr2O7)	重ｸﾛﾑ酸	13530-68-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●		●	●	●									●	●
Chromic acid (H2Cr2O7), nickel(2+) salt (1:1)	重ｸﾛﾑ酸 (H2Cr2O7), ﾆｯｹﾙ(2+) 塩 (1:1)	15586-38-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	●

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Chromic acid (H2CrO4), lanthanum(3+) salt (3:2)	ｸﾛﾑ酸ﾗﾝﾀﾝ(III)	16565-94-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Chromic acid (H2CrO4), magnesium salt (1:1)	ｸﾛﾑ酸ﾏｸﾞﾈｼｳﾑ	13423-61-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Chromic acid, ammonium salt	二ｸﾛﾑ酸ｱﾝﾓﾆｳﾑ(混合)	14445-91-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	●
Chromic acid, barium potassium salt	ｸﾛﾑ酸ﾊﾞﾘｳﾑﾅﾄﾘｳﾑ塩	27133-66-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Chromic acid, potassium zinc salt	ｸﾛﾑ酸亜鉛ｶﾘｳﾑ	41189-36-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Chromium (VI)	六価ｸﾛﾑｲｵﾝ	18540-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Chromium (VI) chloride	六価塩ｸﾛﾑ	14986-48-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Chromium lead oxide	ｸﾛﾑ酸鉛	11119-70-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	●
Chromium hydroxide oxide silicate	ｹｲ酸水酸化ｸﾛﾑ酸化物	68475-49-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Chromium trioxide (CrO3)	無水ｸﾛﾑ(VI)酸	1333-82-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●		●	●	●										●	●
Chromyl chloride	塩化ｸﾛﾐﾙ	14977-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Cobalt chromate (Chromic acid (H2CrO4), cobalt(2+) salt (1:1))	ｸﾛﾑ酸ｺﾊﾞﾙﾄ(Ⅱ)	13455-25-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Copper chromate	ｸﾛﾑ酸銅(CuCrO4)	13548-42-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Copper dichromate	重ｸﾛﾑ酸銅	13675-47-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Dilead chromate dihydroxide	水酸化ｸﾛﾑ酸二鉛	12017-86-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	●
Dithallium dichromate	ﾆｸﾛﾑ酸ｼﾞﾀﾘｳﾑ	13453-35-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Lead chromate	ｸﾛﾑ酸鉛	7758-97-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●	●	●	●	●	●										●	●
Lead chromate oxide	塩基性ｸﾛﾑ酸鉛	18454-12-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	●
Lead chromate silicate	ｹｲ酸ｸﾛﾑ鉛	11113-70-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	●
Lead chromate silicate (Pb3(CrO4)(SiO4))	ｹｲｸﾛﾑ酸鉛	69011-07-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	●
Lead chromate sulfate (Pb9(CrO4)5(SO4)4)	硫酸鉛ｸﾛﾒｰﾄ (Pb9(CrO4)5(SO4)4)	51899-02-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	●
Lead sulfochromate yellow(C.I. Pigment Yellow 34)	硫ｸﾛﾑ酸鉛黄色 (CIﾋﾟｸﾞﾒﾝﾄｲｴﾛｰ34)	1344-37-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●	●	●	●	●	●										●	●
Lithium chromate	ｸﾛﾑ酸ﾘﾁｳﾑ	14307-35-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Magnesium dichromate	ﾆｸﾛﾑ酸ﾏｸﾞﾈｼｳﾑ	14104-85-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercury dichromate	二ｸﾛﾑ酸第二水銀	7789-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Mercury (I) chromate	ｸﾛﾑ酸水銀	13465-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Mercury (II) chromate	ｸﾛﾑ酸水銀(Ⅱ)	13444-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Molybdate orange (Lead chromate pigment)	ｸﾛﾑ酸ﾓﾘﾌﾞﾃﾞﾝ酸亜硫酸鉛赤(CIﾋﾟｸﾞﾒﾝﾄﾚｯﾄﾞ104)	12656-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●	●	●	●	●	●									●	●
Nickel chromate	ｸﾛﾑ酸ﾆｯｹﾙ	14721-18-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	●
Nitric acid, barium salt, reaction products with ammonia, chromic acid (H2CrO4) diammonium salt and copper(2+) dinitrate, calcined	ｱﾝﾓﾆｱ、ｸﾛﾑ酸(H2CrO4) 二ｱﾝﾓﾆｳﾑ塩、ｶ焼二硝酸により反応生成される硝酸ﾊﾞﾘｳﾑ塩	99328-50-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Nitric acid, copper(2+) salt, reaction products with ammonia, chromic acid (H2CrO4) diammonium salt and manganese(2+) dinitrate, kilned	炉内ﾉｸﾛﾑ酸(H2CrO4) ｼﾞｱﾝﾓﾆｳﾑ塩とﾏﾝｶﾞﾝ(Ⅱ)二硝酸のｱﾝﾓﾆｱ反応生成による銅	100402-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Potassium chromate	ｸﾛﾑ酸ｶﾘｳﾑ	7789-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●		●	●	●										●	●
Potassium dichromate	重ｸﾛﾑ酸ｶﾘｳﾑ	7778-50-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●		●	●	●										●	●
Silver chromate	ｸﾛﾑ酸銀	7784-01-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Sodium dichromate dihydrate	ﾆｸﾛﾑ酸ﾅﾄﾘｳﾑﾆ水和物	7789-12-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●			●	●										●	●
dichromium tris(chromate)	ﾄﾘｽ(ｸﾛﾒｰﾄ)ﾆｸﾛﾑ,ｸﾛﾑ酸/ｸﾛﾑ(Ⅲ)	24613-89-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●		●	●	●										●	●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sodium chromate	ｸﾛﾑ酸ﾅﾄﾘｳﾑ	7775-11-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●		●	●	●										●	●
Sodium dichromate	ﾆｸﾛﾑ酸ﾅﾄﾘｳﾑ	10588-01-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●		●			●	●										●	●
Strontium chromate	ｸﾛﾑ(Ⅵ)酸ｽﾄﾛﾝﾁｳﾑ	7789-06-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●	●		●	●	●										●	●
Thallium (I) chromate	ｸﾛﾑ酸ﾀﾘｳﾑ(I)	13473-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Zinc chromate	ｸﾛﾑ酸亜鉛	1328-67-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Zinc chromate	ｸﾛﾑ酸亜鉛	13530-65-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●										●	●
Zinc chromate hydroxide	亜鉛ｸﾛﾒｰﾄ水酸化物	15930-94-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Zinc dichromate	重ｸﾛﾑ酸亜鉛	14018-95-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
Zinc potassium chromate	ｸﾛﾑ酸亜鉛ｶﾘｳﾑ(KZn2(CrO4)2(OH))	11103-86-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●	●		●	●	●										●	●
Zinc yellow (Zinc chromate pigment)	亜鉛黄	37300-23-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
dihydroxy-dioxo-chromium	ｸﾛﾑ酸(六価)	11115-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●
potassium; dioxido-dioxo-chromium	ｸﾛﾑ酸(六価)亜鉛ｶﾘｳﾑ化合物	12433-50-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	●

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pentazinc chromate octahydroxide	ｸﾛﾑ酸八水酸化五亜鉛	49663-84-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●	●		●	●	●									●	●
C.I. Disperse Yellow 3		2832-40-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Cobalt and its compounds, all members	ｺﾊﾞﾙﾄおよびその化合物、全て		Observation			●																
Sulfuric acid, cobalt(2+) salt (1:1)-	硫酸ｺﾊﾞﾙﾄ(II)	10124-43-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●		●													●	
Sodium [4-[[6-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-1-hydroxy-3-sulpho-2-naphthyl]azo]-3-hydroxy-7-nitronaphthalene-1-sulphonato(4-)]cobaltate(1-)	[4-[[6-[(4-ｱﾐﾉ-6-ｸﾛﾛ-1,3, 5-ﾄﾘｱｼﾞﾝ-2-ｲﾙ) ｱﾐﾉ] -1-ﾋﾄﾞﾛｷｼ-3-ｽﾙﾌｫ-2-ﾅﾌﾁﾙ]ｱｿﾞ] -3-ﾋﾄﾞﾛｷｼ-7-ﾆﾄﾛﾅﾌﾀﾚﾝ-1-ｽﾙﾌｫﾈﾄ(4-)] ｺﾊﾞﾙﾄ酸(1-) ﾅﾄﾘｳﾑ	100231-59-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
(Ethylenediamine-N)(1-imino-1H-isoindol-3-aminato-N2)[29H,31H-phthalocyaninato-N29,N30,N31,N32]cobalt	(ｴﾁﾚﾝｼﾞｱﾐﾝ-N)(1-ｲﾐﾉ-1H -ｲｿｲﾝﾄﾞｰﾙ-3-ｱﾐﾉ-N2)[29H,31H -ﾌﾀﾛｼｱﾆﾝ酸-N29,N30,N31,N32] ｺﾊﾞﾙﾄ	83898-69-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
[.mu.-[Carbonato(2-)-O:O']]dihydroxydicobalt	炭酸水酸化ｺﾊﾞﾙﾄ(1:1)	12069-68-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
[5,10,15,20-Tetraphenyl-21H,23H-porphinato(2-)-N21,N22,N23,N24]cobalt	[5,10,15, 20-ﾃﾄﾗﾌｪﾆﾙ-21H,23H -ﾎﾟﾙﾌｨﾝ酸-N21,N22,N24] ｺﾊﾞﾙﾄ	14172-90-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
1,2,4-Benzenetricarboxylic acid, cobalt(2+) salt (1:1)	1,2,4-ﾍﾞﾝｾﾞﾝﾄﾘｶﾙﾎﾞﾝ酸, ｺﾊﾞﾙﾄ(2+) (1:1)	67801-57-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
1,4-Benzenedicarboxylic acid, cobalt salt	1,4-ﾍﾞﾝｾﾞﾝｼﾞｶﾙﾎﾞﾝ酸, ｺﾊﾞﾙﾄ	34262-88-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
1,4-Benzenedicarboxylic acid, monomethyl ester, cobalt(2+) salt	ﾋﾞｽ(p-(ﾒﾄｷｼｶﾙﾎﾞﾆﾙ)安息香酸)ｺﾊﾞﾙﾄ(II)	51084-32-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
2(3H)-Benzothiazolethione, cobalt(2+) salt	2(3H)-ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙﾁｵﾝｺﾊﾞﾙﾄ(II)	29904-98-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
2-Propenoic acid, 2-methyl-, cobalt(2+) salt	ﾋﾞｽ(2-ﾒﾁﾙﾌﾟﾛﾍﾟﾝ酸)ｺﾊﾞﾙﾄ(II)	67952-53-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
2-Propenoic acid, cobalt(2+) salt	ｱｸﾘﾙ酸ｺﾊﾞﾙﾄ	58197-53-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
9,12-Octadecadienoic acid (Z,Z)-, cobalt salt	(9Z,12Z)-9,12-ｵｸﾀﾃﾞｶｼﾞｴﾝ酸,ｺﾊﾞﾙﾄ,(1:x)	14666-96-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
9-Octadecenoic acid (Z)-, cobalt salt	(Z)-9-ｵｸﾀﾃﾞｾﾝ酸,ｺﾊﾞﾙﾄ(1:x)	14666-94-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Acetic acid, bromo-, cobalt(2+) salt	ﾋﾞｽ(2-ﾌﾞﾛﾓ酢酸)ｺﾊﾞﾙﾄ(Ⅱ)	54846-43-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Acetic acid, cobalt(2+) salt, tetrahydrate	酢酸ｺﾊﾞﾙﾄ(Ⅱ)四水和物	6147-53-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Acetic acid, cobalt(3+) salt	酢酸ｺﾊﾞﾙﾄ(Ⅲ)	917-69-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Adipic acid, cobalt salt	ﾍｷｻﾝ二酸,ｺﾊﾞﾙﾄ	54437-56-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Aluminum boron cobalt lithium nickel oxide		207803-51-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Aluminum cobalt lithium nickel oxide		193214-24-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Aluminum cobalt oxide	ｱﾙﾐﾆｳﾑｺﾊﾞﾙﾄ酸化物	12672-27-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Aluminum cobalt oxide (Al2CoO4)	四酸化ｺﾊﾞﾙﾄ(Ⅱ)二ｱﾙﾐﾆｳﾑ	1333-88-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Ammonium bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]-N-methylbenzenesulphonamide S,S-dioxidato(2-)]cobaltate(1-)	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(5-ﾋﾄﾞﾛｷｼﾅﾌﾄ[2,1-d]-1, 3-ｵｷｻﾁｵｰﾙ-4-ｲﾙ) ｱｿﾞ]-N-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾝﾄﾞ-S,S-ｼﾞｵｷｼﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) ｱﾝﾓﾆｳﾑ	83847-05-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Ammonium cobalt orthophosphate	ｱﾝﾓﾆｳﾑ ｺﾊﾞﾙﾄ化合物	36835-61-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Antimony, compound with cobalt (1:1)	ｱﾝﾁﾓﾝ-ｺﾊﾞﾙﾄ化合物(1:1)	12052-42-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Arsenic acid (H3AsO4), cobalt(2+) salt (2:3)	ﾋ酸ｺﾊﾞﾙﾄ(II)	24719-19-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Arsenopyrite, cobaltoan		12414-94-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Benzoic acid, 4-amino-, cobalt(2+) salt (2:1)	4-ｱﾐﾉ安息香酸ｺﾊﾞﾙﾄ(Ⅱ) 塩(2:1)	68123-03-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Benzoic acid, methyl-, cobalt salt	ﾄﾙｲﾙ酸ｺﾊﾞﾙﾄ塩	42978-77-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Bis(1,3-diphenylpropane-1,3-dionato-O,O')cobalt	ﾋﾞｽ(1, 3-ｼﾞﾌｪﾆﾙﾌﾟﾛﾊﾟﾝ-1, 3-ｼﾞｵﾅﾄ-O,O')ｺﾊﾞﾙﾄ	14405-50-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Bis(1-phenylbutane-1,3-dionato-O,O')cobalt	ﾋﾞｽ(1-ﾌｪﾆﾙﾌﾞﾀｼﾞｴﾝ-1, 3-ｼﾞｵﾅﾄ-O,O')ｺﾊﾞﾙﾄ	14128-95-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Bis(6-methylheptane-2,4-dionato-O,O')cobalt	ﾋﾞｽ(6-ﾒﾁﾙﾍﾌﾟﾀﾝ-2, 4-ｼﾞｵﾅﾄ-O,O')ｺﾊﾞﾙﾄ	79215-59-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Bis(D-gluconato-O1,O2)cobalt	ﾋﾞｽｸﾞﾙｺﾝ酸ｺﾊﾞﾙﾄ	71957-08-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Bis(dibutyldithiocarbamato-S,S')cobalt	ﾋﾞｽ(ｼﾞﾌﾞﾁﾙｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸-S,S') ｺﾊﾞﾙﾄ	14591-57-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Bis(diethyldithiocarbamato-S,S')cobalt	ﾋﾞｽｼﾞｴﾁﾙｼﾞﾁｵｶﾙﾎﾞﾝ酸-S,S'-ｺﾊﾞﾙﾄ	15974-34-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Bis(N,N-dimethylpropane-1,3-diamine-N')[2,3,9,10,16,17,23,24-octahydro-29H,31H-tetrakis[1,4]dithiino[2,3-b:2',3'-g:2'',3''-l:2''',3'''-q]porphyrazinato(2-)-N29,N30,N31,N32]cobalt	ﾋﾞｽ(N,N -ｼﾞﾒﾁﾙﾌﾟﾛﾊﾟﾝ-1, 3-ｼﾞｱﾐﾝ-N')[2,3,9,10,16,17,23, 24-ｵｸﾀﾋﾄﾞﾛ-29H,31H -ﾃﾄﾗｷｽ[1,4] ｼﾞﾁｲﾉ[2,3-b:2',3'-g:2'',3''-l:2''',3'''-q]ﾎﾟﾙﾌｨﾗｼﾞﾝ酸(2-)-N29,N30,N31,N32] ｺﾊﾞﾙﾄ	83863-98-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bis(N,N-dimethylpropane-1,3-diamine-N')[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]cobalt	ﾋﾞｽ(N,N -ｼﾞﾒﾁﾙﾌﾟﾛﾊﾟﾝ-1, 3-ｼﾞｱﾐﾝ-N')[29H,31H -ﾌﾀﾛｼｱﾆﾝ酸(2-)-N29,N30,N31,N32]ｺﾊﾞﾙﾄ	83863-97-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Bis[2-[(5-chloro-2-pyridyl)azo]-5-(diethylamino)phenolato]cobalt(1+) chloride	ﾋﾞｽ[2-[(５-ｸﾛﾛ-2-ﾋﾟﾘｼﾞﾙ) ｱｿﾞ]-5-(ｼﾞｴﾁﾙｱﾐﾉ)ﾌｪﾉｰﾙ酸]ｺﾊﾞﾙﾄ(1＋) 塩素	81342-98-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Carbonic acid, cobalt salt	炭酸、ｺﾊﾞﾙﾄ塩	7542-09-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cassiterite, cobalt manganese nickel grey	ｽｽﾞ石(ｺﾊﾞﾙﾄﾏﾝｶﾞﾝﾆｯｹﾙｸﾞﾚｰ)	99749-23-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Cerium, compound with cobalt (1:5)	ｾﾘｳﾑ,ｺﾊﾞﾙﾄ化合物(1:5)	12214-13-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cerium, compound with cobalt (2:7)	ｾﾘｳﾑ,ｺﾊﾞﾙﾄ化合物(2:7)	12515-29-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Chloro[2,2',2''-nitrilotris[ethanolato]-N,O,O',O'']cobalt	ｸﾛﾛ[2,2',2''-ﾆﾄﾘﾛﾄﾘｽ(ｴﾀﾉﾗﾄ)-N,O,O',O '']ｺﾊﾞﾙﾄ	36217-04-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Chloropentakis(methylamine)cobalt dichloride	ｸﾛﾛﾍﾟﾝﾀｷｽ(ﾒﾁﾙｱﾐﾝ)ｺﾊﾞﾙﾄ二塩化物	15392-59-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Chromium cobalt copper iron manganese oxide	ｸﾛﾑ､ｺﾊﾞﾙﾄ､銅､鉄ﾉ酸化物	102262-21-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Chromium cobalt iron manganese oxide	ｸﾛﾑ､ｺﾊﾞﾙﾄ､鉄､ﾏﾝｶﾞﾝﾉ酸化物	102262-22-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Chromium cobalt manganese oxide	ｸﾛﾑ､ｺﾊﾞﾙﾄ､ﾏﾝｶﾞﾝﾉ酸化物	102262-19-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Chromium cobalt oxide	酸化ｸﾛﾑｺﾊﾞﾙﾄ	37382-24-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Chromium cobalt oxide (Cr2CoO4)	酸化ｺﾊﾞﾙﾄｸﾛﾑ	12016-69-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt (II) chloride, hexahydrate	塩化ｺﾊﾞﾙﾄ(Ⅱ)六水和物	7791-13-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt arsenide (CoAs)	ﾋ化ｺﾊﾞﾙﾄ	27016-73-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Cobalt arsenide (CoAs2)	ﾋ化ｺﾊﾞﾙﾄ (CoAs2)	12044-42-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Cobalt arsenide (CoAs3)	ﾋ化ｺﾊﾞﾙﾄ (CoAs3)	12256-04-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Cobalt bis(2-ethylhexanoate)	2-ｴﾁﾙﾍｷｻﾝ酸ｺﾊﾞﾙﾄ(C8H16O2 1/2Co)	136-52-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt bis(nonylphenolate)	ｺﾊﾞﾙﾄﾋﾞｽ(ﾉﾆﾙﾌｪﾉｰﾙ)	83970-30-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

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Cobalt bis[citrato(3-)]di-.mu.-oxodioxodimolybdate(2-)	ﾋﾞｽ[ｸｴﾝ酸(3-)]ｼﾞｰμ-ｵｷｿｼﾞｵｷｿｼﾞﾓﾘﾌﾞﾃﾞﾝ酸(2-)ｺﾊﾞﾙﾄ	93776-58-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, borate 2-ethylhexanoate complexes		91782-60-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, borate propionate complexes		91782-61-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt boride (Co2B)	ﾎｳ化ｺﾊﾞﾙﾄ(Co2B)	12045-01-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt boride (Co3B)	ﾎｳ化ｺﾊﾞﾙﾄ(Co3B)	12006-78-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt carbonate	炭酸ｺﾊﾞﾙﾄ	513-79-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●		●														
Cobalt carbonyl	ｺﾊﾞﾙﾄｶﾙﾎﾞﾆﾙ	10210-68-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt chloride (CoCl3)	塩化ｺﾊﾞﾙﾄ	10241-04-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt chromate (Chromic acid (H2CrO4), cobalt(2+) salt (1:1))	ｸﾛﾑ酸ｺﾊﾞﾙﾄ(Ⅱ)	13455-25-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt chromite blue green spinel		68187-50-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt chromium alloy	ｺﾊﾞﾙﾄｸﾛﾑ合金	11114-92-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt dilactate	乳酸ｺﾊﾞﾙﾄ	16039-54-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt dilaurate	ﾗｳﾘﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	14960-16-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt dilinoleate	ﾘﾉｰﾙ酸ｺﾊﾞﾙﾄ(Ⅱ)	6401-84-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt dinicotinate	ﾘﾉｰﾙ酸ｺﾊﾞﾙﾄ(Ⅱ)	28029-53-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt dioctanoate	ｶﾌﾟﾘﾙ酸第一ｺﾊﾞﾙﾄ	1588-79-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt dioleate	ｵﾚｲﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	19192-71-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt dipalmitate	ﾊﾟﾙﾐﾁﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	14582-18-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt disodium ethylenediaminetetraacetate	ｴﾁﾚﾝｼﾞｱﾐﾝ四酢酸ｺﾊﾞﾙﾄ二ﾅﾄﾘｳﾑ	15137-09-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

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Cobalt distearate	ｵｸﾀﾃﾞｶﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	1002-88-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt disulfide	二硫化ｺﾊﾞﾙﾄ	12013-10-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt fluoride (CoF3)	ﾌｯ化ｺﾊﾞﾙﾄ(Ⅲ)	10026-18-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt glycinate	ｸﾞﾘｼﾝ酸ｺﾊﾞﾙﾄ	17829-66-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt hexafluorosilicate(2-)	ﾍｷｻﾌﾙｵﾛｹｲ酸ｺﾊﾞﾙﾄ(2-)	12021-67-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt hydroxide	水酸化ｺﾊﾞﾙﾄ(Ⅱ)	21041-93-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt hydroxide oxide (Co(OH)O)	水酸化ｺﾊﾞﾙﾄ酸化物	12016-80-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt iodide (CoI2)	ﾖｳ化ｺﾊﾞﾙﾄ(Ⅱ)	15238-00-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt iron oxide (CoFe2O4)	四酸化二鉄(Ⅲ)ｺﾊﾞﾙﾄ(Ⅱ)	12052-28-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt lithium manganese nickel oxide		182442-95-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt lithium manganese nickel oxide		346417-97-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Cobalt magnesium red blue borate		68608-93-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt metasilicate	ﾒﾀｹｲ酸ｺﾊﾞﾙﾄ	25139-08-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt molybdenum nickel oxide (CoMo2NiO8)	酸化ｺﾊﾞﾙﾄﾓﾘﾌﾞﾃﾞﾝﾆｯｹﾙ(CoMo2NiO8)	68016-03-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Cobalt naphthenate	ﾅﾌﾃﾝ酸ｺﾊﾞﾙﾄ	61789-51-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt neodecanoate	ﾈｵﾃﾞｶﾝ酸ｺﾊﾞﾙﾄ(混合)	27253-31-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt nickel oxide (CoNiO2)	酸化ｺﾊﾞﾙﾄﾆｯｹﾙ(CoNiO2)	58591-45-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Cobalt nitrate	硝酸ｺﾊﾞﾙﾄ(Ⅱ)六水和物	10026-22-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt octoate	2-ｴﾁﾙﾍｷｻﾝ酸ｺﾊﾞﾙﾄ(C8H16O2 xCo)	13586-82-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

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Cobalt oxide	酸化ｺﾊﾞﾙﾄ(Ⅱ)	1307-96-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																●	
Cobalt oxide (Co2O3)	三二酸化ｺﾊﾞﾙﾄ	1308-04-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt oxide (Co3O4)	四酸化三ｺﾊﾞﾙﾄ	1308-06-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt phosphide (Co2P)	ﾘﾝ化ｺﾊﾞﾙﾄ(Co2P)	12134-02-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt propionate	ﾌﾟﾛﾋﾟｵﾝ酸ｺﾊﾞﾙﾄ	1560-69-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt selenide (CoSe)	ｾﾚﾝ化ｺﾊﾞﾙﾄ	1307-99-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt silicate	ｹｲ酸ｺﾊﾞﾙﾄ	26686-74-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt silicide (CoSi2)	二ｹｲ化ｺﾊﾞﾙﾄ	12017-12-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt succinate	ｽｸｼﾝ酸ｺﾊﾞﾙﾄ	3267-76-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt sulfate heptahydrate	硫酸ｺﾊﾞﾙﾄ(Ⅱ)七水和物	10026-24-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																●	
Cobalt sulfide (Co2S3)	硫化ｺﾊﾞﾙﾄ(Ⅲ)	1332-71-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt tallate	脂肪酸ﾀｰﾙ油ｺﾊﾞﾙﾄ(混合)	61789-52-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt telluride (CoTe)	ﾃﾙﾙ化ｺﾊﾞﾙﾄ	12017-13-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt tetra(2-ethylhexyl) bis(phosphate)	四(2-ｴﾁﾙﾍｷｼﾙ)ﾋﾞｽﾘﾝ酸ｺﾊﾞﾙﾄ	24828-46-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt tin oxide (CoSnO3)	酸化ｺﾊﾞﾙﾄｽｽﾞ	1345-19-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt titanium oxide (Co2TiO4)	酸化ﾁﾀﾝｺﾊﾞﾙﾄ(Co2TiO4)	12017-38-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt titanium trioxide	ﾁﾀﾝ酸ｺﾊﾞﾙﾄ	12017-01-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt titanium tungsten oxide ((Co,Ti,W)O2)	酸化ｺﾊﾞﾙﾄﾁﾀﾝﾀﾝｸﾞｽﾃﾝ	144437-67-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	
Cobalt zirconium oxide (CoZrO3)	酸化ｺﾊﾞﾙﾄｼﾞﾙｺﾆｳﾑ(CoZrO3)	69011-09-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobalt(2+) dibromate	二ﾅﾌﾄ酸ｺﾊﾞﾙﾄ(Ⅱ)	14732-58-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(2+) dinickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]	ﾋﾞｽ[2-ﾋﾄﾞﾛｷｼﾌﾟﾛﾊﾟﾝ-1,2, 3-ﾄﾘｶﾙﾎﾞﾝ酸]ｺﾊﾞﾙﾄ(Ⅱ)二ｯｹﾙ(Ⅱ)	94232-44-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Cobalt(2+) ethanolate	ｺﾊﾞﾙﾄ(Ⅱ)酢酸塩	19330-29-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(2+) selenite	亜ｾﾚﾝ酸ｺﾊﾞﾙﾄ	10026-23-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(2+) tert-decanoate	ﾀｰｼｬﾘｰﾃﾞｶﾝ酸ｺﾊﾞﾙﾄ(II)	84195-99-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(2+), bis(1,2-ethanediamine-N,N')-, bis[bis(cyano-C)aurate(1-)]	ﾋﾞｽ(1, 2-ｴﾀﾝｼﾞｱﾐﾝ-N,N') ｺﾊﾞﾙﾄ(2+)､ﾋﾞｽ[ﾋﾞｽ(ｼｱﾉ-C) 金酸塩(1-)]	68958-90-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(2+), bis(1,2-propanediamine-N,N')-, bis[bis(cyano-C)aurate(1-)]	ﾋﾞｽ(1,2-ﾌﾟﾛﾊﾟﾝｼﾞｱﾐﾝ-N,N') ｺﾊﾞﾙﾄ(Ⅱ) 、ﾋﾞｽ[ﾋﾞｽ(ｼｱﾉ-C) 金酸塩(1-)]	67906-18-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(2+), pentaamminechloro-, dichloride, (OC-6-22)-	二塩化(ﾍﾟﾝﾀｱﾐﾝｸﾛﾛ) ｺﾊﾞﾙﾄ(II)	13859-51-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(3+), hexaammine-, (OC-6-11)-, phosphate (1:1)	ﾘﾝ酸ﾍｷｻｱﾝﾐﾝｺﾊﾞﾙﾄ(III)	55494-92-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(3+), hexaammine-, (OC-6-11)-, salt with trifluoroacetic acid(1:3)	ﾍｷｻｱﾝﾐﾝｺﾊﾞﾙﾄ(3+) 塩、三ﾌｯ化酢酸混合物(1:3)	59561-55-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(3+), hexaammine-, (OC-6-11)-, triacetate	六ｱﾐﾝｺﾊﾞﾙﾄ(3+)三酢酸(炭素数6-11)	14023-85-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(3+), hexaammine-, (OC-6-11)-, trinitrate	硝酸ﾍｷｻｱﾝﾐﾝｺﾊﾞﾙﾄ(Ⅲ)	10534-86-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(3+), hexaammine-, trichloride, (OC-6-11)-	ﾍｷｻｱﾝﾐﾝｺﾊﾞﾙﾄ(Ⅲ)塩化物	10534-89-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(3+), tris(1,2-ethanediamine-N,N')-, trichloride, (OC-6-11)-	ﾄﾘｽ(1, 2-ｴﾀﾝｼﾞｱﾐﾝ-N,N')-ｺﾊﾞﾙﾄ(3+)三塩化物(炭素数6～11)	13408-73-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(II) acetate	酢酸ｺﾊﾞﾙﾄ(Ⅱ)	71-48-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●		●														
Cobalt(II) fluoborate	ﾃﾄﾗﾌﾙｵﾛﾎｳ酸ｺﾊﾞﾙﾄ(Ⅱ)	26490-63-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(II) fluoride	ﾌｯ化ｺﾊﾞﾙﾄ(Ⅱ)	10026-17-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(II) sulfide	硫化ｺﾊﾞﾙﾄ(Ⅱ)	1317-42-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato))(2-)-N,N',O,O')-	((2,2'-(1,2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ(ﾆﾄﾛﾒﾁﾘｼﾞﾝ))ﾋﾞｽ(6-ﾌﾙｵﾛﾌｪﾉﾗﾄ))(2-)-N,N',O,O ')ｺﾊﾞﾙﾄ	62207-76-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

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Cobalt, [(2-amino-2-oxoethoxy)acetato(2-)]-	[(2-ｱﾐﾉ-2-ｵｷｿｴﾄｷｼ)酢酸(2-)] ｺﾊﾞﾙﾄ	68133-85-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-	ｺﾊﾞﾙﾄﾌﾀﾛｼｱﾆﾝ	3317-67-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, [29H,31H-phthalocyanine-C,C-disulfonyl dichloridato(2-)-N29,N30,N31,N32]-	[29H,31H -ﾌﾀﾛｼｱﾆﾝ-C, C-二ｽﾙﾎﾆﾙ塩素酸(2-)-N29,N30,N31,N32] ｺﾊﾞﾙﾄ	68189-40-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, [29H,31H-phthalocyanine-C-sulfonyl chloridato(2-)-N29,N30,N31,N32]-	[29H,31H -ﾌﾀﾛｼｱﾆﾝ-C-ｽﾙﾎﾆﾙｸﾛﾘﾀﾞﾄ(2-)-N29,N30,N31,N32] ｺﾊﾞﾙﾄ	67875-38-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, [3-hydroxy-4-[[1-(p-mercaptophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]-o-benzenesulfonanisididato(2-)]-, S-(hydrogen sulfate), monosodium salt	[3-ﾋﾄﾞﾛｷｼ-4-[[1-(p-ﾒﾙｶﾌﾟﾄﾌｪﾆﾙ)-3-ﾒﾁﾙ-5-ｵｷｿ-2-ﾋﾟﾗｿﾞﾘﾝ-4-ｲﾙ] ｱｿﾞ]-o -ﾍﾞﾝｾﾞﾝｽﾙﾎﾝｱﾆｼﾞﾝ酸(2-)]-,S-(硫化水素)ｺﾊﾞﾙﾄﾅﾄﾘｳﾑ塩	18285-21-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, [4-hydroxy-3-[[1-(p-mercaptophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]-o-benzenesulfonophenetidato(2-)]-, S-(hydrogen sulfate), monosodium salt	[4-ﾋﾄﾞﾛｷｼ-3-[[1-(p-ﾒﾙｶﾌﾟﾄﾌｪﾆﾙ)-3-ﾒﾁﾙ-5-ｵｷｿ-2-ﾋﾟﾗｿﾞﾘﾝ-4-ｲﾙ] ｱｿﾞ]-o -ﾍﾞﾝｾﾞﾝｽﾙﾎﾝｱﾆｼﾞﾝ酸(2-)]-,S-(硫化水素)ｺﾊﾞﾙﾄﾅﾄﾘｳﾑ塩	19052-32-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, [N-(carboxymethyl)glycinato(2-)-N,O,ON]-	[N -ｶﾙﾎﾞｷｼﾒﾁﾙｸﾞﾘｼﾝ酸(2-)-NOON-]ｺﾊﾞﾙﾄ	13869-30-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, bis(acetato-O)(1,4-diazabicyclo[2.2.2]octane-N1)-, homopolymer	ﾋﾞｽ(ｱｾﾃｰﾄ-O)(1,4-ｼﾞｱｻﾞﾋﾞｼｸﾛ[2.2.2]ｵｸﾀﾝ-N1)ｺﾊﾞﾙﾄﾎﾓﾎﾟﾘﾏｰ	68239-56-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, bis(D-glycero-D-ido-heptonato)-	ﾋﾞｽ(D-ｸﾞﾘｾﾛ-D-ｲﾄﾞ-ﾍﾌﾟﾄﾅﾄ) ｺﾊﾞﾙﾄ	68475-45-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, bis(dicyclohexylphosphinodithioato-S,S')-	ﾋﾞｽ(ｼﾞｼｸﾛﾍｷｼﾙｼﾞﾁｵﾘﾝ酸-S,S') ｺﾊﾞﾙﾄ	40621-10-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, bis[(2,3-butanedione dioximato)(1-)-N,N']-, (SP-4-1)-	ﾋﾞｽ[(2, 3-ﾌﾞﾀﾝｼﾞ ｵﾝｼﾞ ｵｷｼﾒﾄ)(1-)-N,N']ｺﾊﾞﾙﾄ	3252-99-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, bis[.alpha.-(1-oxo-1H-isoindol-3-yl)-1H-benzimidazole-2-acetonitrilato]-, (T-4)-	ﾋﾞｽ[α -(1-ｵｷｿ-1H -ｲｿｲﾝﾄﾞｰﾙ-3-ｲﾙ)-1H -ﾍﾞﾝｽﾞｲﾐﾀﾞｿﾞｰﾙ-2-ｱｾﾄﾆﾄﾘﾗﾄ]ｺﾊﾞﾙﾄ(II)	60109-88-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, bis[2-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-	ﾋﾞｽ[2-[[2-ﾋﾄﾞﾛｷｼ-5-[(ﾒﾁﾙｱﾐﾉ) ｽﾙﾎﾆﾙ] ﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ	69178-42-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, bis[3-(1H-benzimidazol-2-ylamino)-1H-isoindol-1-onato]-, (T-4)-	ﾋﾞｽ[3-(1H -ﾍﾞﾝｽﾞｲﾐﾀﾞｿﾞｰﾙ-2-ｲﾙｱﾐﾉ)-1H -ｲｿｲﾝﾄﾞｰﾙ-1-ｵﾄﾅﾄ] ｺﾊﾞﾙﾄ(II)	63287-28-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, bis[carbonato(2-)]hexahydroxypenta-	ﾋﾞｽ炭酸六水酸化六ｺﾊﾞﾙﾄ	12602-23-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, C4-10-fatty acid naphthenate complexes	脂肪酸(炭素数4-10)、ﾅﾌﾃﾝ酸混合物中のｺﾊﾞﾙﾄ	84066-85-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数5-23)、脂肪酸(炭素数4-10)、ﾅﾌﾃﾝ酸の混合物のｺﾊﾞﾙﾄ塩	83711-42-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, C5-23-branched carboxylate naphthenate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数5-23)、ﾅﾌﾃﾝ酸の混合物のｺﾊﾞﾙﾄ塩	83711-43-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, C5-23-branched carboxylate naphthenate octanoate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数5-23)、ﾅﾌﾃﾝ酸、ｵｸﾀﾝ酸の混合物のｺﾊﾞﾙﾄ塩	83711-44-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

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Cobalt, compound with gadolinium (3:1)	ｺﾊﾞﾙﾄ,ｶﾞﾄﾞﾘﾆｳﾑ化合物(3:1)	12017-50-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with gadolinium (5:1)	ｺﾊﾞﾙﾄ,ｶﾞﾄﾞﾘﾆｳﾑ化合物(5:1)	12017-61-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with gadolinium (7:2)	ｺﾊﾞﾙﾄ,ｶﾞﾄﾞﾘﾆｳﾑ化合物(7:2)	11139-24-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with lanthanum (3:1)	ｺﾊﾞﾙﾄ,ﾗﾝﾀﾝ化合物(3:1)	61419-68-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with lanthanum (5:1)	ｺﾊﾞﾙﾄ,ﾗﾝﾀﾝ化合物(5:1)	12297-66-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with lanthanum (7:2)	ｺﾊﾞﾙﾄ,ﾗﾝﾀﾝ化合物(7:2)	12268-07-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with neodymium (3:1)	ｺﾊﾞﾙﾄ,ﾈｵｼﾞﾑ化合物(3:1)	12187-43-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with neodymium (5:1)	ｺﾊﾞﾙﾄ,ﾈｵｼﾞﾑ化合物(5:1)	12017-65-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with neodymium (7:2)	ｺﾊﾞﾙﾄ,ﾈｵｼﾞﾑ化合物(7:2)	12516-51-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with praseodymium (5:1)	ｺﾊﾞﾙﾄ,ﾌﾟﾗｾｵｼﾞﾑ化合物(5:1)	12017-67-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with praseodymium (7:2)	ｺﾊﾞﾙﾄ,ﾌﾟﾗｾｵｼﾞﾑ化合物(7:2)	12516-52-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with samarium (17:2)	ｺﾊﾞﾙﾄ,ｻﾏﾘｳﾑ化合物(17:2)	12052-78-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with samarium (2:1)	ｺﾊﾞﾙﾄ,ｻﾏﾘｳﾑ化合物(2:1)	12017-43-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with samarium (3:1)	ｺﾊﾞﾙﾄ,ｻﾏﾘｳﾑ化合物(3:1)	12187-46-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with samarium (5:1)	ｺﾊﾞﾙﾄ,ｻﾏﾘｳﾑ化合物(5:1)	12017-68-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with samarium (7:2)	ｺﾊﾞﾙﾄ,ｻﾏﾘｳﾑ化合物(7:2)	12305-84-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with yttrium (3:1)	ｺﾊﾞﾙﾄ,ｲｯﾄﾘｳﾑ化合物(3:1)	12052-62-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with yttrium (5:1)	ｺﾊﾞﾙﾄ,ｲｯﾄﾘｳﾑ化合物(5:1)	12017-71-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, compound with yttrium (7:2)	ｺﾊﾞﾙﾄ,ｲｯﾄﾘｳﾑ化合物(7:2)	12052-70-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobalt, dibromobis(triphenylphosphine)-, (T-4)-	ｼﾞﾌﾞﾛﾓﾋﾞｽ(ﾄﾘﾌｪﾆﾙﾎｽﾌｨﾝ) ｺﾊﾞﾙﾄ(II)	14126-32-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, dibromobis[tris(3,5-dimethylphenyl)phosphine]-, (T-4)-	ｼﾞﾌﾞﾛﾓﾋﾞｽ[ﾄﾘｽ(3, 5-ｼﾞﾒﾁﾙﾌｪﾆﾙ) ﾎｽﾌｨﾝ] ｺﾊﾞﾙﾄ(II)	69198-43-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, dibromobis[tris(3-methylphenyl)phosphine]-, (T-4)-	ｼﾞﾌﾞﾛﾓﾋﾞｽ(ﾄﾘｽ(3-ﾒﾁﾙﾌｪﾆﾙ)ﾎｽﾌｨﾝ)ｺﾊﾞﾙﾄ(II)	49651-10-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, dichloro(1,4-diazabicyclo[2.2.2]octane-N1)-, homopolymer	ｼﾞｸﾛﾛ(1,4-ｼﾞｱｻﾞﾋﾞｼｸﾛ[2.2.2] ｵｸﾀﾝ-N1) ｺﾊﾞﾙﾄ ﾎﾓﾎﾟﾘﾏｰ	68239-58-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, elemental	ｺﾊﾞﾙﾄ	7440-48-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●															●	
Cobalt, tetrakis[(2,3-butanedione dioximato)(1-)-N,N']bis(pyridine)di-, (Co-Co)	ﾃﾄﾗｷｽ[(2,3-ﾌﾞﾀﾞｼﾞｴﾝｼﾞｵｷｼﾒﾄ)(1-)-N,N'] ﾋﾞｽ(ﾋﾟﾘｼﾞﾝ) ｼﾞｺﾊﾞﾙﾄ	25971-15-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, tris(2,4-pentanedionato-O,O')-, (OC-6-11)-	ﾄﾘｽ(2,4-ﾍﾟﾝﾀﾝｼﾞｵﾅﾄ)ｺﾊﾞﾙﾄ(Ⅲ)	21679-46-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt, tris(3-bromo-2,4-pentanedionato-O,O')-, (OC-6-11)-	ﾄﾘｽ(3-ﾌﾞﾛﾓ-2, 4-ﾍﾟﾝﾀﾞｼﾞｵﾅﾄ-O,O') ｺﾊﾞﾙﾄ	15218-44-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt-acetate	ｺﾊﾞﾙﾄ-酢酸塩	5931-89-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate (6-), [[[1,2-ethanediylbis[nitrilobis(methylene)]]tetrakis[phosphonato]](6-)-N,N',O,O'',O''',O'''''']-,pentaammonium hydrogen, (OC-6-21)-	[[[1,2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ[ﾆﾄﾘﾛﾋﾞｽ(ﾒﾁﾚﾝ)]]ﾃﾄﾗﾋﾞｽ[ﾎｽﾎﾝ酸]](6-)-N,N',O,O',O''',O '''''']ｺﾊﾞﾙﾄ酸(6-) 五ｱﾝﾓﾆｳﾑ一水素	68025-39-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate (6-), [[[1,2-ethanediylbis[nitrilobis(methylene)]]tetrakis[phosphonato]](8-)-N,N',O,O'',O''',O'''''']-,pentapotassium hydrogen, (OC-6-21)-	[[[1,2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ[ﾆﾄﾘﾛﾋﾞｽ(ﾒﾁﾚﾝ)]]ﾃﾄﾗｷｽ[ﾎｽﾎﾝ酸]](8-)-N,N',O,O'',O''',O '''''']ｺﾊﾞﾙﾄ酸(6-) 五ｶﾘｳﾑ一水素	67924-23-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate (6-), [[[1,2-ethanediylbis[nitrilobis(methylene)]]tetrakis[phosphonato]](8-)-N,N',O,O',O''',O'''''']-,pentasodium hydrogen, (OC-6-21)-	[[[1,2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ[ﾆﾄﾘﾛﾋﾞｽ(ﾒﾁﾚﾝ)]]ﾃﾄﾗﾋﾞｽ[ﾎｽﾎﾝ酸]](8-)-N,N',O,O',O''',O '''''']ｺﾊﾞﾙﾄ酸(6-) 五ﾅﾄﾘｳﾑ水素	67969-67-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate (CoO21-), lithium	二酸化ｺﾊﾞﾙﾄﾘﾁｳﾑ	12190-79-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [1-[[5-(ethylsulfonyl)-2-hydroxyphenyl]azo]-2-naphthalenolato(2-)][methyl[8-[(5-ethylsulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-2-naphthalenyl]methylcarbamato(2-)]-, sodium	[1-[[5-(ｴﾁﾙｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ]ｱｿﾞ] -2-ﾅﾌﾀﾚﾝ酸(Ⅱ)][ﾒﾁﾙ[8-[(5-ｴﾁﾙｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ]-7-ﾋﾄﾞﾛｷｼ-2-ﾅﾌﾀﾚﾆﾙ] ﾒﾁﾙｶﾙﾊﾞﾒｰﾄ(Ⅱ)] ｺﾊﾞﾙﾄ酸(Ⅰ) ﾅﾄﾘｳﾑ	103241-62-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3 -onato(2-)][1-[(2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]-, hydrogen, compound with 1-tridecanamine (1:1)	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3 -ｵﾅﾄ(2-)][1-[(2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ] -2-ﾅﾌﾀﾚﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)水素ﾏﾀﾘ1-ﾄﾘﾃﾞｶﾝｱﾐﾝ混合体(1:1)	70815-19-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-, hydrogen	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)][1-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-2-ﾅﾌﾁﾚﾝ(2-)] ｺﾊﾞﾙﾄ(1-)水素	55668-56-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)][1-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-2-ﾅﾌﾀﾚﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	73507-67-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, hydrogen	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄﾝ(2-)][1-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-2-ﾅﾌﾀﾚﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	52277-73-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄﾝ(2-)][1-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-2-ﾅﾌﾀﾚﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	73507-66-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]-, hydrogen	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄﾝ(2-)][3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ]-4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	73324-02-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, hydrogen	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄﾝ(2-)][4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ]ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	72845-76-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [2,4-dihydro-4-[[2-hydroxy-5-(methylsulfonyl)phenyl]azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][N-[7-hydroxy-8-[[2-hydroxy-5-(methylsulfonyl)phenyl]azo]-1-naphthalenyl]acetamidato(2-)]-, sodium	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[[2-ﾋﾄﾞﾛｷｼ-5-(ﾒﾁﾙｽﾙﾎﾆﾙ) ﾌｪﾆﾙ] ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄﾝ(2-)][N-[7-ﾋﾄﾞﾛｷｼ-8-[[2-ﾋﾄﾞﾛｷｼ-5-(ﾒﾁﾙｽﾙﾎﾆﾙ)ﾌｪ	70236-41-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32]-, hydrogen	ﾌﾀﾛｼｱﾆﾝｽﾙﾎﾝ酸ｺﾊﾞﾙﾄ	30638-08-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32]-, sodium	29H,31H-ﾌﾀﾛｼｱﾆﾝ-C-ｽﾙﾎﾝ酸ｺﾊﾞﾙﾄ錯塩	52729-67-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)][1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-, hydrogen	[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][1-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -2-ﾅﾌﾀﾚﾉﾚｰﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	72928-77-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, hydrogen	[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][1-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -2-ﾅﾌﾀﾚﾉﾚｰﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	72928-76-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)][N-[7-hydroxy-8-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-1-naphthalenyl]acetamidato(2-)]-, hydrogen	[3-[[1-(4-ｸﾛﾛﾌｪﾆﾙ)-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ｱｿﾞ]-4-ﾋﾄﾞﾛｷｼ-N -ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][N-[7-ﾋﾄﾞﾛｷｼ-8-[[2-ﾋﾄﾞﾛｷｼ-5-[(ﾒﾁﾙｱﾐﾉ) ｽﾙﾎﾆﾙ] ﾌｪﾆﾙ]ｱｿﾞ]-1-ﾅﾌﾀﾚﾆﾙ] ｱｾﾄｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	68413-61-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)][N-[7-hydroxy-8-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-1-naphthalenyl]acetamidato(2-)]-, sodium	[3-[[1-(4-ｸﾛﾛﾌｪﾆﾙ)-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ｱｿﾞ]-4-ﾋﾄﾞﾛｷｼ-N-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(2-)][N-[7-ﾋﾄﾞﾛｷｼ-8-[[2-ﾋﾄﾞﾛｷｼ-5-[(ﾒﾁﾙｱﾐﾉ) ｽﾙﾎﾆﾙ] ﾌｪﾆﾙ] ｱｿﾞ] -1-ﾅﾌﾀﾚﾆﾙ] ｱｾﾄｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	74499-63-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [3-[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)][4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, sodium	[3-[4-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ]-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ)ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	72403-33-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [3-[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)][4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(1-methylethyl)benzenesulfonamidato(2-)]-, sodium	[3-[4-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ]-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ)ｱｿﾞ]-N-(1-ﾒﾁﾙｴﾁﾙ) ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	72391-10-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)][4-hydr oxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfonamide ,-dioxidato(2-)]-, ammonium	[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][4-ﾋﾄﾞﾛｷｼ-3-[(5-ﾋﾄﾞﾛｷｼﾅﾌﾄ[2,1-d]-1, 3-ｵｷｻｼﾞｵｰﾙ-4-ｲﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ-ｼﾞｵｷｼﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ｱﾝ	83864-24-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)][4-hydr oxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfonamide ,-dioxidato(2-)]-, sodium	ﾋﾟｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ)ｱｿﾞ]-N-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][4-ﾋﾄﾞﾛｷｼ-3-(5-ﾋﾄﾞﾛｷｼﾅﾌﾄ[2,1-d]-1, 3-ｵｷｻｼﾞｵｰﾙ-4-ｲﾙ) ｱｿﾞ]ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ､ｼﾞｵｷｼﾀﾞﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	83817-76-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)][4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(1-methylethyl)benzenesulfonamidato(2-)]-, sodium	[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ]ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ]-N-(1-ﾒﾁﾙｴﾁﾙ) ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	72403-32-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)][8-[(2- hydroxyphenyl)azo]-2-naphthalenolato(2-)]-, hydrogen, compound with 3-[(2-ethylhexyl)oxy]-1-propanamine (1:1)	[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][8-[(2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ] -2-ﾅﾌﾀﾚﾝ酸(2-)]ｺﾊﾞﾙﾄ酸(1-)､水素ﾄ3-[(2-ｴﾁﾙﾍｷｼﾙ] -1-ﾌﾟﾛﾋﾟﾙｱﾐﾝの混合物(1:1)	73297-17-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-N-(2-hydroxypropyl)-2-naphthalenesulfonamidato(2-)][1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]-, sodium	[6-ｱﾐﾉ-5-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-N-(2-ﾋﾄﾞﾛｷｼﾌﾟﾛﾋﾟﾙ) -2-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)][1-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ)ｱｿﾞ] -2-ﾅﾌﾀﾚﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	73195-17-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']-, hydrogen, (T-4)-	(N,N-ﾋﾞｽ(ﾒﾁﾙｶﾙﾎﾞｷｼ)ｸﾞﾘｼﾝ酸(3-)-N,O,O,O'')ｺﾊﾞﾙﾄ酸(1-)水素	53108-50-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [N-[8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)][3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]-, hydrogen	(N-(8-((5-(ｱﾐﾉｽﾙﾎﾆﾙ)-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ)ｱｿﾞ)-7-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ]ｱｾﾄｱﾐﾄﾞ(2-))[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ)ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	68239-47-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [N-[8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)][3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]-, sodium	[N-[8-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ]ｱｿﾞ] -7-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ] ｱｾﾄｱﾐﾀﾞﾄ(2-)][3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	68966-96-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), [N-[8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)][3-[4,5-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)]-, sodium	[N-[8-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -7-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ]ｱｾﾄｱﾐﾀﾞﾄ(2-)][3-[4, 5-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	59487-93-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis(2,4-dihydro-4-((2-hydroxy-4-nitrophenyl)azo)-5-methyl-2-phen yl-3H-pyrazol-3-onato(2-)), sodium	ﾋﾞｽ(2, 4-ｼﾞﾋﾄﾞﾛ-4-((2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ)-5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄ(2-)ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	67486-73-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium	ﾋﾞｽ[1-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-2-ﾅﾌﾀﾚﾉﾗﾄ(2-)]ｺﾊﾞﾙﾄ(II)酸ﾅﾄﾘｳﾑ	64611-71-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, hydrogen	ﾋﾞｽ[1-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-2-ﾅﾌﾀﾚﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	52277-69-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium	ﾋﾞｽ[1-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-2-ﾅﾌﾀﾚﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	73297-09-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(1-), bis[1-[(2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]-, sodium	ﾋﾞｽ[1-[2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙｱｿﾞ]-2-ﾅﾌﾀﾚﾝ酸(2-)]ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	75752-30-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]-, hydrogen	ﾋﾞｽ[1-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ] -2-ﾅﾌﾀﾚﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	31586-68-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]-, sodium	ﾋﾞｽ[1-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ] -2-ﾅﾌﾀﾚﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	18639-97-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-(3-chlorophenyl)-2,4-dihydro-4-[[2-hydroxy-5-(methylsulfonyl)phenyl]azo]-5-methyl-3H-pyrazol-3-onato(2-)]-, hydrogen, compound with [1R-(1.alpha.,4a.beta.,10a.alpha.)]-1,2,3,4,4a,9,10,10a-octahydro-1,4a-dimethyl-7-(1-methylethyl)-1-ph	ﾋﾞｽ[2-(3-ｸﾛﾛﾌｪﾆﾙ)-2, 4-ｼﾞﾋﾄﾞﾛ-4-[[2-ﾋﾄﾞﾛｷｼ-5-(ﾒﾁﾙｽﾙﾎﾆﾙ) ﾌｪﾆﾙ]ｱｿﾞ] -5-ﾒﾁﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素, 及び[1R-(1α,4aβ,,10aα)]-1,2,3,4,4a,9,10,10a -ｵｸﾀﾋﾄﾞﾛ-1,4a -ｼﾞﾒﾁﾙ-7-(1-ﾒﾁﾙｴﾁﾙ)-1-p hの混合物	20506-24-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-(3-chlorophenyl)-2,4-dihydro-4-[[2-hydroxy-5-(methylsulfonyl)phenyl]azo]-5-methyl-3H-pyrazol-3-onato(2-)]-, sodium	ﾋﾞｽ[2-(3-ｸﾛﾛﾌｪﾆﾙ)-2, 4-ｼﾞﾋﾄﾞﾛ-4-[[2-ﾋﾄﾞﾛｷｼ-5-(ﾒﾁﾙｽﾙﾎﾆﾙ) ﾌｪﾆﾙ]ｱｿﾞ] -5-ﾒﾁﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	70236-44-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, hydrogen	ﾋﾞｽ[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	52256-38-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, hydrogen, compound with cyclohexanamine (1:1)	ﾋﾞｽ[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)] ｺﾊﾞﾙﾄ(1-).水素ﾓｼｸﾊｷｼｸﾛﾍｷｻﾐﾝ(1:1) の混合物	71566-27-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, sodium	ﾋﾞｽ[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	71839-88-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[(2-hydroxy-4-nitrophenyl)azo]-1-naphthalenolato(2-)]-, hydrogen	ﾋﾞｽ[2-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-1-ﾅﾌﾀﾚﾝ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	6421-64-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[(2-hydroxy-4-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ﾋﾞｽ[2-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	81361-02-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)]-, hydrogen	ﾋﾞｽ[2-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾅﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸(1-)水素	13011-62-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)]-, hydrogen, compound with 1-butanamine (1:1)	ﾋﾞｽ[2-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-).一水素ﾄ1-ﾌﾞﾁﾙｱﾐﾝの混合物(1:1)	72797-14-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ﾋﾞｽ[2-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	71566-26-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[[2-hydroxy-5-[(phenylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, ammonium	ﾋﾞｽ[2-[[2-ﾋﾄﾞﾛｷｼ-5-[(ﾌｪﾆﾙｱﾐﾉ)ｽﾙﾎﾆﾙ] ﾌｪﾆﾙ]ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ｱﾝﾓﾆｳﾑ	125408-78-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(1-), bis[2-[[2-hydroxy-5-[(phenylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ﾋﾞｽ[2-[[2-ﾋﾄﾞﾛｷｼ-5-[(ﾌｪﾆﾙｱﾐﾉ) ｽﾙﾎﾆﾙ] ﾌｪﾆﾙ]ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	71562-83-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[[4-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ﾋﾞｽ[2-[[4-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	66104-83-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, hydrogen	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-)水素	72928-91-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	72496-88-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-chlorophenyl)-3-oxobutan amidato(2-)]-, sodium	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ]-N-(2-ｸﾛﾛﾌｪﾆﾙ) -3-ｵｷｿﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	34735-28-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-ethylhexyl)-3-oxobutanamidato(2-)]-, sodium	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ]-N-(2-ｴﾁﾙﾍｷｼﾙ) -3-ｵｷｿﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	72403-31-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[2-[4-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ]-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	74082-15-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-chloro-5-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)]-, hydrogen, compound with cyclohexanamine (1:1)	ﾋﾞｽ[2-ｸﾛﾛ-5-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ]-N-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)、水素ﾄｼｸﾛﾍｷｻﾐﾝの混合物(1:1)	71839-87-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[2-chloro-5-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[2-ｸﾛﾛ-5-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ]-N-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	70179-69-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]-, hydrogen	ﾋﾞｽ[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素	68568-52-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]-, sodium, (OC-6-22')-	ﾋﾞｽ[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	34664-47-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-N-(1-methylethyl)benzenesulfonamidato(2-)]-, hydrogen, compound with 2-propanamine (1:1)	ﾋﾞｽ[3-[(4,5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼ-N-(1-ﾒﾁﾙｴﾁﾙ) ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸(1-)、水素ﾄ2-ﾌﾟﾛﾋﾟﾙｱﾐﾝの混合物(1:1)	71839-74-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-N-[3-(1-methylethoxy)propyl]benzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼ-N-[3-(1-ﾒﾁﾙｴﾄｷｼ) ﾌﾟﾛﾋﾟﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	72479-33-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[(8-hydroxy-5-quinolinyl)azo]benzenesulfonato(2-)]-, sodium	ﾋﾞｽ[3-[(8-ﾋﾄﾞﾛｷｼ-5-ｷﾉﾘﾆﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	72905-57-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[[1-(2,5-dichlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[3-[[1-(2, 5-ｼﾞｸﾛﾛﾌｪﾆﾙ)-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	75214-67-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[3-[[1-[[1-(3-ｸﾛﾛﾌｪﾆﾙ)4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-5-ｲﾙ] ｱｿﾞ]-4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)]-ｺﾊﾞﾙﾄ酸ﾅﾄﾘｳﾑ	73612-40-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[3-[[1-(3-ｸﾛﾛﾌｪﾆﾙ)-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼ-N -ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	71701-14-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(1-), bis[3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]-, hydrogen	ﾋﾞｽ[3-[[1-(4-ｸﾛﾛﾌｪﾆﾙ)-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿﾘﾝ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼ-N -ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸(1-)水素	67952-74-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[3-[[1-(4-ｸﾛﾛﾌｪﾆﾙ)-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿﾘﾝ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼ-N -ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	71566-39-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[[4,5-dihydro-3-methyl-1-(4-methylphenyl)-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[3-[[4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-1-(4-ﾒﾁﾙﾌｪﾆﾙ) -5-ｵｷｿﾘﾝ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼ-N -ｴﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	70281-40-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[3-[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[3-[4-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ]-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿﾘﾝ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	72403-34-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)amino]-N-(3-methoxypropyl)benzenesulfonamidato(2-)-N3,O3,O4]-, sodium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱﾐﾉ]-N-(3-ﾒﾄｷｼﾌﾟﾛﾋﾟﾙ) ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)-N3,O3,O4] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	71735-52-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, ammonium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ｱﾝﾓﾆｳﾑ	63971-70-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, hydrogen	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆｲﾙ)ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸	50525-57-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, hydrogen, compound with 2-propanamine (1:1)	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)水素ﾄ2-ﾌﾟﾛﾋﾟﾙｱﾐﾝの混合物(1:1)	71839-84-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, lithium	ﾋﾞｽ[4-(ﾋﾄﾞﾛｷｼ-κ-O)-3-[[2-(ﾋﾄﾞﾛｷｼ-κ-O) -1-ﾅﾌﾁﾚﾆﾙ] ｱｿﾞ-κ-N1] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾘﾁｳﾑ	125252-57-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	58302-43-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(1-methylethyl)benzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ)ｱｿﾞ]-N-(1-ﾒﾁﾙｴﾁﾙ)ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	72391-09-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(2-methoxyethyl)benzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ)ｱｿﾞ]-N-(2-ﾒﾄｷｼｴﾁﾙ) ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	70247-76-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(3-methoxypropyl)benzenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ]-N-(3-ﾒﾄｷｼﾌﾟﾛﾋﾟﾙ) ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	71735-61-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato (2-)]-, ammonium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ)ｱｿﾞ]-N-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ｱﾝﾓﾆｳﾑ	83847-06-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato (2-)]-, lithium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ)ｱｿﾞ]-N-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾘﾁｳﾑ	83804-08-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato (2-)]-, sodium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ)ｱｿﾞ]-N-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	83804-07-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(1-), bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfon amide ,-dioxidato(2-)]-, ammonium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(5-ﾋﾄﾞﾛｷｼﾅﾌﾄ[2,1-d]-1, 3-ｵｷｻﾁｵｰﾙ-4-ｲﾙ) ｱｿﾞ]ﾍﾞﾝｾﾞﾝｽﾙﾎﾝｱﾐﾄﾞｰｼﾞｵｷｼﾀﾞﾄ (2-)] ｺﾊﾞﾙﾄ酸(1-)ｱﾝﾓﾆｳﾑ	83864-23-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfon amide ,-dioxidato(2-)]-, sodium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(5-ﾋﾄﾞﾛｷｼﾅﾌﾄ[2,1-d]-1, 3-ｵｷｻﾁｵｰﾙ-4-ｲﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞｰｼﾞｵｷｼﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾅﾄﾘｳﾑ	83817-79-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[5-[(5-chloro-2-hydroxyphenyl)azo]-6-hydroxy-N-(2-hydroxyethyl)-N-methyl-2-naphthalenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[5-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ] -6-ﾋﾄﾞﾛｷｼ-N-(2-ﾋﾄﾞﾛｷｼｴﾁﾙ)-N-ﾒﾁﾙ-2-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ (2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	70236-43-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-N-methyl-2-naphthalenesulfonamidato(2-)]-, sodium	ﾋﾞｽ[6-ｱﾐﾉ-5-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-N-ﾒﾁﾙ-2-ﾅﾌﾀﾚﾝｽﾙﾎﾝｱﾐﾀﾞﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	70236-59-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[hydrogen 3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitro-1-naphthalenesulfonato(2-)]-	ﾋﾞｽ[3-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾙ)ｱｿﾞ] -7-ﾆﾄﾛ-1-硫酸ﾅﾌﾁﾚﾝ(2-) 水素]ｺﾊﾞﾙﾄ(1-)	26921-01-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[methyl [8-[[4-(aminosulfonyl)-2-hydroxy-5-methoxyphenyl]azo]-7-hydroxy-1-naphthalenyl]carbamato(2-)]-, sodium	ﾋﾞｽ[ﾒﾁﾙ[8-[[4-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼ-5-ﾒﾄｷｼﾌｪﾆﾙ] ｱｿﾞ] -7-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ]ｶﾙﾊﾞﾐﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	73507-63-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[N-(2-chlorophenyl)-2-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-3-oxobutanamidato(2-)]-, sodium	ﾋﾞｽ[N-(2-ｸﾛﾛﾌｪﾆﾙ)-2-[[2-ﾋﾄﾞﾛｷｼ-5-[(ﾒﾁﾙｱﾐﾉ) ｽﾙﾎﾆﾙ] ﾌｪﾆﾙ] ｱｿﾞ]-3-ｵｷｿﾌﾞﾀﾝｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	70247-74-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[N-[(2-chlorophenyl)-2-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-3-oxobutanamidato(2-)]-, hydrogen	ﾋﾞｽ[N-[(2-ｸﾛﾛﾌｪﾆﾙ)-2-[[2-ﾋﾄﾞﾛｷｼ-5-[(ﾒﾁﾙｱﾐﾉ) ｽﾙﾎﾆﾙ] ﾌｪﾆﾙ] ｱｿﾞ]-3-ｵｷｿﾌﾞﾀﾝｱﾐﾀﾞﾄ (2)] ｺﾊﾞﾙﾄ酸(1-)水素	55963-70-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[N-[2-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-5-methylphenyl]acetamidato(2-)]-, sodium	ﾋﾞｽ[N-[2-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -5-ﾒﾁﾙﾌｪﾆﾙ] ｱｾﾄｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	71735-59-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[N-[7-hydroxy-8-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-1-naphthalenyl]acetamidato(2-)]-, hydrogen, compound with 2-propanamine (1:1)	ﾋﾞｽ[N-[7-ﾋﾄﾞﾛｷｼ-8-[[2-ﾋﾄﾞﾛｷｼ-5-[(ﾒﾁﾙｱﾐﾉ) ｽﾙﾎﾆﾙ] ﾌｪﾆﾙ] ｱｿﾞ] -1-ﾅﾌﾀﾚﾆﾙ] ｱｾﾄｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)、水素ﾄ2-ﾌﾟﾛﾋﾟﾙｱﾐﾝの混合物(1:1)	71839-76-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(1-), bis[N-[8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)]-, sodium	ﾋﾞｽ[N-[8-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -7-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ] ｱｾﾄｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-)ﾅﾄﾘｳﾑ	68966-95-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, (OC-6-21)-	ｴﾁﾚﾝｼﾞｱﾐﾝ四酢酸ｺﾊﾞﾙﾄ	14931-83-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)][3-hydroxy-4-[(2-hy droxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, disodium	[1-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ]-2-ﾅﾌﾀﾚﾉｰﾄ(2-)][3-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾉｲﾙ) ｱｿﾞ] -7-ﾆﾄﾛ-1-ｽﾙﾎﾝ酸ﾅﾌﾀﾚﾝ(3-)] ｺﾊﾞﾙﾄ酸(2-) 二ﾅﾄﾘｳﾑ	125378-88-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)][3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, sodium	[1-[(5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ) ｱｿﾞ]-2-ﾅﾌﾀﾚﾝ酸(2-)][3-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ] -7-ﾆﾄﾛ-1-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(2-)ﾅﾄﾘｳﾑ水素	71243-97-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3 -onato(2-)][2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, disodium	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄﾝ(2-)][2-[[[4-ﾋﾄﾞﾛｷｼ-3-[[2-(ﾌｪﾆﾙｱﾐﾉ)-1-ﾅﾌﾀﾚﾆﾙ] ｱｿﾞ] ﾌｪﾆﾙ] ｽﾙﾎﾆﾙ]ｱﾐﾉ]安息香酸(3-)] ｺﾊﾞﾙﾄ酸(2-)二ﾅﾄﾘｳﾑ	82556-13-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, sodium hydrogen	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄﾝ(2-)][2-[[[4-ﾋﾄﾞﾛｷｼ-3-[[2-(ﾌｪﾆﾙｱﾐﾉ)-1-ﾅﾌﾀﾚﾆﾙ] ｱｿﾞ] ﾌｪﾆﾙ] ｽﾙﾎﾆﾙ]ｱﾐﾉ]安息香酸(3-)] ｺﾊﾞﾙﾄ酸(2-)ﾅﾄﾘｳﾑ 水素	73455-76-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, dihydrogen	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄﾝ(2-)][3-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ] -7-ﾆﾄﾛ-1-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(2-)二水素	72987-06-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, dihydrogen, compound with 2,2'-iminobis[ethanol] (1:2)	[2, 4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾝﾄ(2-)][3-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ) ｱｿﾞ] -7-ﾆﾄﾛ-1-ﾅﾌﾁﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(2-)、二水素ｶ2,2'-ｲﾐﾉﾋﾞｽｴﾀﾉｰﾙの混合物(1:2)	72987-07-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [2,4-dinitro-6-[[2-(phenylamino)-1-naphthalenyl]azo]phenolato(2-)][3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, sodium hydrogen	[2, 4-ｼﾞﾆﾄﾛ-6-[[2-(ﾌｪﾆﾙｱﾐﾉ) -1-ﾅﾌﾁﾙﾆﾙ] ｱｿﾞ] ﾌｪﾉｰﾙ酸(2-)][3-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾙﾆﾙ) ｱｿﾞ] -7-ﾆﾄﾛ-1-ﾅﾌﾁﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(2-)ﾅﾄﾘｳﾑ水素	72102-52-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-ethylhexyl)-3-oxobutanamidato(2-)][4-[[1-[(2-hydroxy-3,5-dinitrophenyl)azo]-2-naphthalenyl]amino]benzenesulfonato(3-)]-, dipotassium	[2-[[5-(ｱﾐﾉｽﾙﾎﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ]ｱｿﾞ]-N-(2-ｴﾁﾙﾍｷｼﾙ) -3-ｵｷｿﾌﾞﾀﾝｱﾐﾄﾞ(2-)][4-[[1-[(2-ﾋﾄﾞﾛｷｼ-3, 5-ｼﾞﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -2-ﾅﾌﾁﾙﾆﾙ] ｱﾐﾉ] ﾍﾟﾝｾﾞﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ(2-)二ｶﾘｳﾑ	68928-31-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, dihydrogen	ﾌﾀﾛｼｱﾆﾝｼﾞｽﾙﾌｫﾅﾄｺﾊﾞﾙﾄ	29383-29-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, disodium	ﾌﾀﾛｼｱﾆﾝｼﾞｽﾙﾎﾝ酸ｺﾊﾞﾙﾄ(II) 二ﾅﾄﾘｳﾑ	61045-13-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), [6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-N-methyl-2-naphthalenesulfonamidato(2-)][6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenesulfonato(3-)]-, disodium	[6-ｱﾐﾉ-5-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-N-ﾒﾁﾙ-2-ﾅﾌﾁﾚﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)][6-ｱﾐﾉ-5-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-2-ﾅﾌﾁﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(2-)二ﾅﾄﾘｳﾑ	75314-27-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, dihydrogen	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ(2-)二水素	12715-61-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, dilithium	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸(2-)二ﾘﾁｳﾑ	67906-22-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, disodium	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾞﾀﾝｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸(2-)二ﾅﾄﾘｳﾑ	75522-91-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2)]-, dilithium, (OC-6-22')-	ﾋﾞｽ[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(2-)二ﾘﾁｳﾑ	67906-23-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]-, disodium, (OC-6-22')-	ﾋﾞｽ[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(2-)二ﾅﾄﾘｳﾑ	72208-07-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]-, lithium sodium, (OC-6-22')-	ﾋﾞｽ[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(2-)ﾘﾁｳﾑﾅﾄﾘｳﾑ	75557-21-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-, disodium	ﾋﾞｽ[3-[[1-(3-ｸﾛﾛﾌｪﾆﾙ)-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(2-)二ﾅﾄﾘｳﾑ	70529-03-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(2-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, disodium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾙﾆﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(2-)二ﾅﾄﾘｳﾑ	71060-75-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), [4-amino-3-[(2-hydroxy-3,5-dinitrophenyl)azo]-1-naphthalenesulfonato(3-)][5-amino-6-[(2-hydroxy-3,5-dinitrophenyl)azo]-1-naphthalenesulfonato(3-)]-, trisodium	[4-ｱﾐﾉ-3-[(2-ﾋﾄﾞﾛｷｼ-3, 5-ｼﾞﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -1-ﾅﾌﾁﾚﾝｽﾙﾎﾝ酸(3-)][5-ｱﾐﾉ-6-[(2-ﾋﾄﾞﾛｷｼ-3, 5-ｼﾞﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -1-ﾅﾌﾁﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	82457-28-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)]-, triammonium, (T-4)-	[N,N -ﾋﾞｽ(ﾎｽﾎﾝ酸ﾒﾁﾙ)ｸﾞﾘｼﾝ酸(5-)]ｺﾊﾞﾙﾄ酸(3-)三ｱﾝﾓﾆｳﾑ	67968-65-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)]-, tripotassium, (T-4)-	[N,N -ﾋﾞｽ(ﾎｽﾎﾝ酸ﾒﾁﾙ) ｸﾞﾘｼﾝ酸(5-)] ｺﾊﾞﾙﾄ酸(3-)三ｶﾘｳﾑ	63597-33-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)]-, trisodium,(T-4)-	[N,N -ﾋﾞｽ(ﾎｽﾎﾝ酸ﾒﾁﾙ)ｸﾞﾘｼﾝ酸(5-)]ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	67968-66-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[2-[[[3-[[1-[[(2-chlorophenyl)amino]carbonyl]-2-oxopropyl]azo]-4-hydroxyphenyl]sulfonyl]amino]benzoato(3-)]-, trisodium	ﾋﾞｽ[2-[[[3-[[1-[[(2-ｸﾛﾛﾌｪﾆﾙ) ｱﾐﾉ] ｶﾙﾎﾞﾆﾙ] -2-ｵｷｿﾌﾟﾛﾋﾟﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ]ｽﾙﾎﾆﾙ]ｱﾐﾉ]安息香酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	73612-41-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, trisodium	ﾋﾞｽ[2-[[[4-ﾋﾄﾞﾛｷｼ-3-[[2-(ﾌｪﾆﾙｱﾐﾉ) -1-ﾅﾌﾁﾚﾆﾙ] ｱｿﾞ] ﾌｪﾆﾙ] ｽﾙﾎﾆﾙ]ｱﾐﾉ]安息香酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	82556-12-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, sodium dihydrogen	ﾋﾞｽ[2-[[[4-ﾋﾄﾞﾛｷｼ-3-[[2-(ﾌｪﾆﾙｱﾐﾉ) -1-ﾅﾌﾁﾚﾆﾙ] ｱｿﾞ] ﾌｪﾆﾙ] ｽﾙﾎﾆﾙ]ｱﾐﾉ]安息香酸(3-)] ｺﾊﾞﾙﾄ酸(3-)一ﾅﾄﾘｳﾑ二水素	72829-33-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[2-[[[4-hydroxy-3-[[2-oxo-1-[(phenylamino)carbonyl]propyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, sodium dihydrogen	ﾋﾞｽ[2-[[[4-ﾋﾄﾞﾛｷｼ-3-[[2-ｵｷｿ-1-[(ﾌｪﾆﾙｱﾐﾉ)ｶﾙﾎﾞﾆﾙ] ﾌﾟﾛﾋﾟﾙ] ｱｿﾞ]ﾌｪﾆﾙ]ｽﾙﾎﾆﾙ]ｱﾐﾉ]ﾍﾞﾝｾﾞﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)一ﾅﾄﾘｳﾑ二水素	73018-84-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[2-hydroxy-5-nitro-3-[[2-oxo-1-[(phenylamino)carbonyl]propyl]azo]benzenes ulfonato(3-)]-, sodium dihydrogen	ﾋﾞｽ[2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛ-3-[[2-ｵｷｿ-1-[(ﾌｪﾆﾙｱﾐﾉ)ｶﾙﾎﾞﾆﾙ] ﾌﾟﾛﾋﾟﾙ]ｱｿﾞ]ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)一ﾅﾄﾘｳﾑ二水素	73507-73-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfona to(3-)]-, trisodium	ﾋﾞｽ[3-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ) ｱｿﾞ] -7-ﾆﾄﾛ-1-ｽﾙﾎﾝ酸ﾅﾌﾀﾚﾝ(3-)] ｺﾊﾞﾙﾄ酸(3-) 三ﾅﾄﾘｳﾑ	125378-89-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, trihydrogen	ﾋﾞｽ[3-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ) ｱｿﾞ]-7-ﾆﾄﾛ-1-ﾅﾌﾁﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三水素	72797-08-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, trihydrogen, compound with 2,2'-iminobis[ethanol] (1:3)	ﾋﾞｽ[3-ﾋﾄﾞﾛｷｼ-4-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ) ｱｿﾞ] -7-ﾆﾄﾛ-1-ﾅﾌﾁﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)、三水素ﾄ2,2'-ｲﾐﾉﾋﾞｽｴﾀﾉｰﾙの混合物(1:3)	72797-09-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[3-hydroxy-7-nitro-4-[(1,2,3,4-tetrahydro-2,4-dioxo-3-quinolinyl)azo]-1-naphthalenesulfonato(3-)]-, trisodium	ﾋﾞｽ[3-ﾋﾄﾞﾛｷｼ-7-ﾆﾄﾛ-4-[(1,2,3, 4-ﾃﾄﾗﾋﾄﾞﾛ-2, 4-ｼﾞｵｷｿ-3-ｷﾉﾘﾆﾙ) ｱｿﾞ] -1-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	74196-11-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[4-[[2-[(2-hydroxy-5-nitrophenyl)azo]-1,3-dioxobutyl]amino]-5-methoxy-2-methylbenzenesulfonato(3-)]-, trihydrogen	ﾋﾞｽ[4-[[2-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-1, 3-ｼﾞｵｷｿﾌﾞﾁﾙ] ｱﾐﾉ] -5-ﾒﾄｷｼ-2-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三水素	62598-42-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[4-[4-[[4-[[[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxyphenyl]sulfonyl]amino]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(3-)]-, trisodium	ﾋﾞｽ[4-[4-[[4-[[[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ)ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｽﾙﾎﾆﾙ] ｱﾐﾉ]ﾌｪﾆﾙ] ｱｿﾞ]-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿﾘ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	75234-42-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[4-[4-[[4-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(3-)]-, trisodium	ﾋﾞｽ[4-[4-[[4-[4-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ)-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ]-4, 5-ｼﾞﾋﾄﾞﾛｷｼ-3-ﾒﾁﾙ-5-ｵｷｿﾘ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾌｪﾆﾙ] ｱｿﾞ]-4,5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿﾘ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	75214-72-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[5-chloro-2-hydroxy-3-[[2-oxo-1-[(phenylamino)carbonyl]propyl]azo]benzenesulfonato(3-)]-, trisodium	ﾋﾞｽ[5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼ-3-[[2-ｵｷｿ-1-[(ﾌｪﾆﾙｱﾐﾉ)ｶﾙﾎﾞﾆﾙ] ﾌﾟﾛﾋﾟﾙ]ｱｿﾞ]ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	73324-01-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), bis[6-amino-5-[(2-hydroxy-3,5-dinitrophenyl)azo]-1-naphthalenesulfonato(3-)]-, sodium dihydrogen	ﾋﾞｽ[6-ｱﾐﾉ-5-[(2-ﾋﾄﾞﾛｷｼ-3, 5-ｼﾞﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -1-ﾅﾌﾁﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)一ﾅﾄﾘｳﾑ二水素	73297-10-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(3-), bis[6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenesulfonato(3-)]-, trisodium	ﾋﾞｽ[6-ｱﾐﾉ-5-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -2-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	77630-54-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), hexakis(cyano-C)-, cobalt(2+) (2:3), (OC-6-11)-	ﾍｷｻｷｽｼｱﾉｺﾊﾞﾙﾄ酸ｺﾊﾞﾙﾄ(Ⅱ)(2:3)	14123-08-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), hexakis(cyano-C)-, zinc (2:3), (OC-6-11)-	ﾍｷｻｷｽｼｱﾉｺﾊﾞﾙﾄ酸(3-)亜鉛(2: 3)三ﾅﾄﾘｳﾑ	14049-79-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), hexakis(nitrito-N)-, tripotassium, (OC-6-11)-	ﾍｷｻﾆﾄﾛｺﾊﾞﾙﾄ(Ⅲ)酸ｶﾘｳﾑ	13782-01-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), hexakis(nitrito-O)-, trisodium, (OC-6-11)-	ﾍｷｻｷｽ亜硝酸ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	14649-73-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(3-), tris[6-hydroxy-5-nitroso-2-naphthalenesulfonato(2-)]-, trisodium	ﾄﾘｽ[6-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛｿﾞ-2-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	67815-64-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(4-), [[[nitrilotris(methylene)]tris[phosphonato]](6-)-N,OP,OP',OP'']-, tetrapotassium, (T-4)-	[[[ﾆﾄﾘﾛﾄﾘｽ(ﾒﾁﾚﾝ)]ﾄﾘｽ[ﾎｽﾎﾝ酸]](6-)-N,OP,OP',OP''] ｺﾊﾞﾙﾄ酸(4-)四ｶﾘｳﾑ	63588-34-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(4-), [[[nitrilotris(methylene)]tris[phosphonato]](6-)-N,OP,OP',OP'']-, tetrasodium, (T-4)-	[[[ﾆﾄﾘﾛﾄﾘｽ(ﾒﾁﾚﾝ)]ﾄﾘｽ[ﾎｽﾎﾝ酸]](6-)-N,OP,OP',OP''] ｺﾊﾞﾙﾄ酸(4-)四ﾅﾄﾘｳﾑ	68000-01-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(4-), [[[nitrilotris(methylene)]tris[phosphonato]](6-)-N,OP,OP',OP'']-, triammonium hydrogen, (T-4)-	[[[ﾆﾄﾘﾛﾄﾘｽ(ﾒﾁﾚﾝ)]ﾄﾘｽ[ﾎｽﾎﾝ酸]](6-)-N,OP,OP',OP''] ｺﾊﾞﾙﾄ酸(4-)四ｱﾝﾓﾆｳﾑ一水素	67968-64-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(4-), [29H,31H-phthalocyanine-2,9,16,23-tetrasulfonato(6-)-N29,N30,N31,N32]-, tetrahydrogen, (SP-4-1)-	[29H,31H -ﾌﾀﾛｼｱﾆﾝ-2,9,16, 23-ﾃﾄﾗｽﾙﾎﾝ酸(6-)-N29,N30,N31,N32] 四水素ｺﾊﾞﾙﾄ酸(4-)	14285-59-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(4-), bis[2-[[[3-[[1-[[(2-chlorophenyl)amino]carbonyl]-2-oxopropyl]azo]-4-hydroxyphenyl]sulfonyl]amino]benzoato(3-)]-, tetrasodium	ﾋﾞｽ[2-[[[3-[[1-[[2-ｸﾛﾛﾌｪﾆﾙ) ｱﾐﾉ]ｶﾙﾎﾞﾆﾙ]-2-ｵｷｿﾌﾟﾛﾋﾟﾙ]ｱｿﾞ]-4-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ]ｽﾙﾌｫﾆﾙ] ｱﾐﾉ] 安息香酸(3-)] ｺﾊﾞﾙﾄ酸(4-) 四ﾅﾄﾘｳﾑ	70851-34-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(4-), hexakis(cyano-C)-, tetrapotassium, (OC-6-11)-	ｼｱﾝｲﾋｺﾊﾞﾙﾄｶﾘｳﾑ錯塩	14564-70-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(4-), hexakis(cyano-C)-, tetrasodium, (OC-6-11)-	ﾍｷｻｷｽｼｱﾉｺﾊﾞﾙﾄ酸(4-)四ﾅﾄﾘｳﾑ(炭素数6-11)	14217-00-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[4-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]-2-[[4-chloro-6-[[4-[4,5-dihydro-4-[(2-hydroxy-5-sulfophenyl)azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]phenyl]amino]-1,3,5-triazin-2-yl]amino]benzenesulfonato(4-)]-, pentasodium	ﾋﾞｽ[4-[(5-ｸﾛﾛ2, 6-ｼﾞﾌﾙｵﾛ-4-ﾋﾟﾘﾐｼﾞﾆﾙ)ｱﾐﾉ]-2-[[4-ｸﾛﾛ-6-[[4-[4, 5-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ｽﾙﾎﾆﾙ) ｱｿﾞ] -3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾌｪﾆﾙ] ｱﾐﾉ]-1,3, 5-ﾄﾘｱｼﾞﾝ-2-ｲﾙ] ｱﾐﾉ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(4-)] ｺﾊﾞﾙﾄ酸(5-)五ﾅﾄﾘｳﾑ	83417-32-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[4-[[6-[[4-chloro-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-1-hydroxy-3-sulfo-2-naphthalenyl]azo]-3-hydroxy-7-nitro-1-naphthalenesulfonato(4-)]-, pentasodium	ﾋﾞｽ[4-[[6-[[4-ｸﾛﾛ-6-(ﾌｪﾆﾙｱﾐﾉ)-1,3, 5-ﾄﾘｱｼﾞﾝ-2-ｲﾙ] ｱﾐﾉ] -1-ﾋﾄﾞﾛｷｼ-3-ｽﾙﾎ-2-ﾅﾌﾀﾚﾆﾙ] ｱｿﾞ] -3-ﾋﾄﾞﾛｷｼ-ﾌｰﾆﾄﾛ-1-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(4-)] ｺﾊﾞﾙﾄ酸(5-)五ﾅﾄﾘｳﾑ	75284-36-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[4-[4-[[4-[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulfophenyl)-1H-pyrazol-4-yl]azo]-4-hydroxyphenyl]sulfonyl]amino]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(4-)]-, pentasodium	ﾋﾞｽ[4-[4-[[4-[[[3-[[4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-(4-ｽﾙﾎﾌｪﾆﾙ)-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ]ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｽﾙﾎﾆﾙ] ｱﾐﾉ]ﾌｪﾆﾙ] ｱｿﾞ]-4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(4-)]ｺﾊﾞﾙﾄ酸(5-)五ﾅﾄﾘｳﾑ	75214-71-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-5-[(2,5,6-trichloro-4-pyrimidinyl)amino]-2,7-naphthalenedisulfonato(4-)]-, pentasodium	ﾌｪﾆﾙ) ｱｿﾞ]-5-[(2,5, 6-ﾄﾘｸﾛﾛ-4-ﾋﾟﾘﾐｼﾞﾆﾙ) ｱﾐﾉ]-2, 7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(4-)]ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛｺﾊﾞﾙﾄ酸(5-)五ﾅﾄﾘｳﾑ	74196-19-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[5-[(4,6-dichloro-1,3,5-triazin-2-yl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-2,7-naphthalenedisulfonato(4-)]-, pentasodium	ﾋﾞｽ[5-[(4, 6-ｼﾞｸﾛﾛ-1,3, 5-ﾄﾘｱｼﾞﾝ-2-ｲﾙ) ｱﾐﾉ]-4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-2, 7-ｼﾞｽﾙﾎﾝ酸ﾅﾌﾀﾚﾝ(4-)] ｺﾊﾞﾙﾄ酸(5-) 五ﾅﾄﾘｳﾑ	104815-53-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(5-), bis[5-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-2,7-naphthalenedisulfonato(4-)]-, pentasodium	ﾋﾞｽ[5-[(４-ｱﾐﾉ-6-ｸﾛﾛ-1,3,５-ﾄﾘｱｼﾞﾝ-2-ｲﾙ)ｱﾐﾉ] -4-ﾋﾄﾞﾛｷｼ-3-[(２-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-2，7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(4-)]ｺﾊﾞﾙﾄ酸(5-)五ﾅﾄﾘｳﾑ	79817-88-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[5-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-2,7-naphthalenedisulfonato(4-)]-, tetrapotassium sodium	ﾋﾞｽ[5-[(４-ｱﾐﾉ-6-ｸﾛﾛ-1,3,５-ﾄﾘｱｼﾞﾝ-2-ｲﾙ)ｱﾐﾉ] -4-ﾋﾄﾞﾛｷｼ-3-[(２-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-2，7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(4-)]ｺﾊﾞﾙﾄ酸(5-)四ｶﾘｳﾑ一ﾅﾄﾘｳﾑ	73038-30-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[5-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-2,7-naphthalenedisulfonato(4-)]-, tetrasodium hydrogen	ﾋﾞｽ[5-[(４-ｱﾐﾉ-6-ｸﾛﾛ-1,3,５-ﾄﾘｱｼﾞﾝ-2-ｲﾙ)ｱﾐﾉ] -4-ﾋﾄﾞﾛｷｼ-3-[(２-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-2，7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(4-)]ｺﾊﾞﾙﾄ酸(5-)四ﾅﾄﾘｳﾑ一水素	70776-55-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[5-[(4-chloro-6-methoxy-1,3,5-triazin-2-yl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-2,7-naphthalenedisulfonato(4-)]-, tetrasodium hydrogen	ﾋﾞｽ[5-[(４-ｸﾛﾛ-6-ﾒﾄｷｼ-1,3,５-ﾄﾘｱｼﾞﾝ-2-ｲﾙ)ｱﾐﾉ] -4-ﾋﾄﾞﾛｷｼ-3-[(２-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-2，7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(4-)]ｺﾊﾞﾙﾄ酸(5-)四ﾅﾄﾘｳﾑ一水素	68132-93-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[6-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitro-3-sulfophenyl)azo]-2-naphthalenesulfonato(4-)]-,tetrapotassium sodium	ﾋﾞｽ[6-[(５-ｸﾛﾛ-2，6-ｼﾞﾌﾙｵﾛ-4-ﾋﾟﾘﾐｼﾞﾆﾙ)ｱﾐｼﾉ] -4-ﾋﾄﾞﾛｷｼ-3-[(２-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛ-3-ｽﾙﾎﾝﾆﾙ)ｱｿﾞ] -2-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(4-)]ｺﾊﾞﾙﾄ酸(5-)四ｶﾘｳﾑ一ﾅﾄﾘｳﾑ	74196-12-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[6-amino-5-[[2-hydroxy-5-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-1-naphthalenesulfonato(4-)]-, potassium sodium	ﾋﾞｽ[6-ｱﾐﾉ-5-[[2-ﾋﾄﾞﾛｷｼ-5-[[2-(ｽﾙﾎｷｼ) ｴﾁﾙ] ｽﾙﾎﾆﾙ] ﾌｪﾆﾙ] ｱｿﾞ] -1-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(4-)] ｺﾊﾞﾙﾄ酸(5-)五ｶﾘｳﾑ一ﾅﾄﾘｳﾑ	72269-32-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(5-), bis[7-hydroxy-8-[(2-hydroxy-5-nitro-3-sulfophenyl)azo]-6-[(2,5,6-trichloro-4-pyrimidinyl)amino]-2-naphthalenesulfonato(4-)]-, pentasodium	ﾋﾞｽ[7-ﾋﾄﾞﾛｷｼ-8-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛ-3-ｽﾙﾎﾌｪﾙ) ｱｿﾞ]-6-[(2,5, 6-ﾄﾘｸﾛﾛ-4-ﾋﾟﾘﾐｼﾞﾆﾙ) ｱﾐﾉ] -2-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(4-)] ｺﾊﾞﾙﾄ酸(5-)五ﾅﾄﾘｳﾑ	74196-13-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(7-), [5-[[4-chloro-6-[[5-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino] -2-sulfophenyl]amino]-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[(2- hydroxy-5-sulfophenyl)azo]-2,7-naphthalenedisulfonato(6-)][4-[(5 -chloro-2,6-difluoro-4-pyrimidinyl)amino]-2-[	[5-[[4-ｸﾛﾛ-6-[[5-[(5-ｸﾛﾛ-2，6-ｼﾞﾌﾙｵﾛ-4-ﾋﾟﾘﾐｼﾞﾆﾙ) ｱﾐﾉ] -2-ｽﾙﾎﾌｪﾆﾙ]ｱﾐﾉ]-1,3, 5-ﾄﾘｱｼﾞﾝ-2-ｲﾙ] ｱﾐﾉ] -4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-5-ｽﾙﾎﾌｪﾆﾙ) ｱｿﾞ]-2，7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(6-)][4-[(5-ｸﾛﾛ-2，6-ｼﾞﾌﾙｵﾛ-4-ﾋﾟﾘﾐｼﾞﾆﾙ) ｱﾐﾉ]-2-[… ｺﾊﾞﾙﾄ酸(7-)…	83417-33-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(7-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-7-[(3-phosphonophenyl)amino]-2-naphthalenesulfonato(5-)]-, disodium pentahydrogen	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-7-[(3-ﾎｽﾎﾝ酸ﾌｪﾆﾙ)ｱﾐﾉ] -2-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(5-)] ｺﾊﾞﾙﾄ酸(7-)二ﾅﾄﾘｳﾑ五水素	69898-68-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(7-), bis[4-hydroxy-5-[(2-hydroxy-1-naphthalenyl)azo]-3-[(2-hydroxy-3-nitro-5-sulfophenyl)azo]-2,7-naphthalenedisulfonato(5-)]-, heptasodium	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-5-[(２-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ]-3-[(2-ﾋﾄﾞﾛｷｼ-3-ﾆﾄﾛ-5-ｽﾙﾎﾌｪﾆﾙ) ｱｿﾞ]-2，7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(5-)] ｺﾊﾞﾙﾄ酸(7-)七ﾅﾄﾘｳﾑ	74196-18-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(8-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-7-[(3-phosphonophenyl)amino]-2-naphthalenesulfonato(5-)]-, tetraammonium tetrahydrogen	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(２-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-7-[(3-ﾎｽﾎﾝ酸ﾌｪﾆﾙ) ｱﾐﾉ] -2-ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(5-)] ｺﾊﾞﾙﾄ酸(8-)四ｱﾝﾓﾆｳﾑ四水素	70833-34-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltate(9-), bis[5-[[4-chloro-6-[[5-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]-2-sulfophenyl]amino]-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[(2-hydroxy-5-sulfophenyl)azo]-2,7-naphthalenedisulfonato(6-)]-, nonasodium	ﾋﾞｽ[5-[[4-ｸﾛﾛ-6-[[5-[(5-ｸﾛﾛ-2，6-ｼﾞﾌﾙｵﾛ-4-ﾋﾟﾘﾐｼﾞﾆﾙ) ｱﾐﾉ] -2-ｽﾙﾎﾌｪﾆﾙ] ｱﾐﾉ]-1,3, 5-ﾄﾘｱｼﾞﾝ-2-ｲﾙ] ｱﾐﾉ]-4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-5-ｽﾙﾎﾌｪﾆﾙ) ｱｿﾞ]-2，7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(6-)] ｺﾊﾞﾙﾄ(9-)ﾅﾉﾅﾄﾘｳﾑ	83417-34-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt-dinitrate	硝酸ｺﾊﾞﾙﾄ(Ⅱ)	10141-05-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●		●														
Cobaltocene	ﾋﾞｽ(ｼｸﾛﾍﾟﾝﾀｼﾞｴﾆﾙ)ｺﾊﾞﾙﾄ(Ⅱ)	1277-43-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltocenium hexafluorophosphate(1-)	ﾍｷｻﾌｧｲ化ﾘﾝ酸ｺﾊﾞﾙﾄ	12427-42-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltocenium, (T-4)-tetrachlorocobaltate(2-) (2:1)	ｺﾊﾞﾙﾄｾﾆｳﾑ, (T-4) -ﾃﾄﾗｸﾛﾛｺﾊﾞﾙﾄ酸塩(2-) (2:1)	11077-19-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltous bromide	臭化ｺﾊﾞﾙﾄ(Ⅱ)	7789-43-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobaltous chloride	二塩化ｺﾊﾞﾙﾄ	7646-79-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●	●	●														
Cobaltous sulfamate	硫酸ｺﾊﾞﾙﾄ	14017-41-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cyclohexanebutanoic acid, cobalt(2+) salt	ｼｸﾛﾍｷｻﾝﾌﾞﾀﾉｰﾙ酸ｺﾊﾞﾙﾄ(Ⅱ)塩	38582-17-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Di(acetato-O)(1,4-diazabicyclo[2.2.2]octane-N1)cobalt	ｼﾞ(ｱｾﾃｰﾄ-O)(1,4-ｼﾞｱｻﾞﾋﾞｼｸﾛ[2.2.2] ｵｸﾀﾝ-N1)ｺﾊﾞﾙﾄ	68239-55-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Di-.mu.-carbonyltetracarbonylbis(triphenylphosphine)dicobalt	ｼﾞ-μ-ｶﾙﾎﾞﾆﾙﾃﾄﾗｶﾙﾎﾞﾆﾙﾋﾞｽ(ﾄﾘﾌｪﾆﾙﾎｽﾌｨﾝ) 二ｺﾊﾞﾙﾄ	24212-54-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Diammonium pentahydrogen bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-7-[(3-phosphonophenyl)amino]naphthalene-2-sulphonato(5-)]cobaltate(7-)	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-7-[(3-ﾎｽﾎﾝ酸ﾌｪﾆﾙ) ｱﾐﾉ] ﾅﾌﾀﾚﾝ-2-ｽﾙﾎﾝ酸(5-)]ｺﾊﾞﾙﾄ酸(7-) 二ｱﾝﾓﾆｳﾑ五水素	83803-62-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Diboron cobalt(2+) tetraoxide	ﾎｳ酸ｺﾊﾞﾙﾄ(Ⅱ)	38233-75-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Dicarbonyl(.eta.5-2,4-cyclopentadien-1-yl)cobalt	ｼﾞｶﾙﾎﾞﾆﾙ(5-η-2, 4-ｼｸﾛﾍﾟﾝﾀｼﾞｴﾝ-1-ｲﾙ)ｺﾊﾞﾙﾄ	12078-25-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Dichloro(1,4-diazabicyclo[2.2.2]octane-N1)cobalt	ｼﾞｸﾛﾛ(1,4-ｼﾞｱｻﾞﾋﾞｼｸﾛ[2.2.2] ｵｸﾀﾝ-N1) ｺﾊﾞﾙﾄ	68239-57-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Dichlorobis(3-pyridylcarboxamide-N1)cobalt	ｼﾞｸﾛﾛﾋﾞｽ(3-ﾋﾟﾘｼﾞﾙｶﾙﾎﾞｷｼｱﾐﾄﾞ-N1)ｺﾊﾞﾙﾄ	6856-47-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Dicobalt edetate	[[N,N'-1, 2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ[N -(ｶﾙﾎﾞｷｼﾒﾁﾙ)ｸﾞﾘｼﾅﾄ]] ｺﾊﾞﾙﾄ酸(II)	36499-65-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Dicobalt orthosilicate	ｵﾙｿｹｲ酸ｺﾊﾞﾙﾄ	13455-33-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Dicobalt tris(sulphate)	硫酸ｺﾊﾞﾙﾄ(Ⅲ)	13478-09-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Dicobalt(2+) nickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]	ﾋﾞｽ[2-ﾋﾄﾞﾛｷｼﾌﾟﾛﾊﾟﾝ-1,2, 3-ﾄﾘｶﾙﾎﾞﾝ酸]二ｺﾊﾞﾙﾄ(Ⅱ) ﾆｯｹﾙ(Ⅱ)	94232-84-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Dihydrogen bis[L-glutamato(2-)-N,O1]cobaltate(2-)	ﾋﾞｽ[L -ｸﾞﾙﾀﾐﾝ酸(2-)-N,O1] ｺﾊﾞﾙﾄ酸(2-) 二水素	19224-80-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Diphosphoric acid, cobalt(2+) salt (1:2)	二ﾘﾝ酸ｺﾊﾞﾙﾄ(2+)塩(1:2)	14640-56-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

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Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cobaltate(2-)	[[N,N'-ｴﾁﾚﾝﾋﾞｽ[N-(ｶﾙﾎﾞｷｼﾒﾁﾙ)ｸﾞﾘｼﾝ酸]](4-)-N,N',O,O',ON,ON ']ｺﾊﾞﾙﾄ酸(2-)二ｶﾘｳﾑ	14025-10-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Dipotassium disulphatocobaltate	硫酸ｺﾊﾞﾙﾄｶﾘｳﾑ	13596-22-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Disodium [5-[[1-(anilinocarbonyl)-2-oxopropyl]azo]-4-hydroxy-3-nitrobenzenesulphonato(3-)][2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(2-)	[5-[[1-(ｱﾆﾘﾝｶﾙﾎﾞﾆﾙ)-2-ｵｷｿﾌﾟﾛﾋﾟﾙ]ｱｿﾞ]-4-ﾋﾄﾞﾛｷｼ-3-ﾆﾄﾛﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)][2-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-3-ｵｷｿ-N-ﾌｪﾆﾙﾌﾞﾁﾙｱﾐﾄﾞ(2-)]ｺﾊﾞﾙﾄ酸(2-)二ﾅﾄﾘｳﾑ	76762-27-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Electrolytes, cobalt-manufacturing A solution used in the electrolytic refining of cobalt. The composition varies according to the particular process involved. The electrolyte generally contains high levels of cob alt ions and lower levels of impurity me	電解質。ｺﾊﾞﾙﾄの電解精製において使用されるｺﾊﾞﾙﾄ生成溶液。組成は処理工程により異なる。電解質は通常、高濃度のｺﾊﾞﾙﾄと少量の不純物を含有する。	121053-28-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Fatty acids, soya, polymers with acetic acid, fumaric acid, linseedoil, maleic anhydride, pentaerythritol, rosin, tall oil, tall-oil fatty acids and tripentaerythritol, cobalt salts	重合物である酢酸、ﾌﾏﾙ酸、ｱﾏﾆ油、無水ﾏﾚｲﾝ酸、ﾍﾟﾝﾀｴﾘｽﾘﾄｰﾙ、ﾛｼﾞﾝ、ﾄｰﾙ油、脂肪酸ﾄｰﾙ油、ﾄﾘﾍﾟﾝﾀｴﾘｽﾘﾄﾘﾄｰﾙや大豆油脂肪酸のｺﾊﾞﾙﾄ塩	70131-61-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Formic acid, cobalt salt	ｷﾞ酸ｺﾊﾞﾙﾄ塩	15731-88-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Heptahydrogen bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-7-[(3-phosphonophenyl)amino]naphthalene-2-sulphonato(5-)]cobaltate(7-)	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-7-[(3-ﾎｽﾎﾝ酸ﾌｪﾆﾙ)ｱﾐﾉ]ﾅﾌﾀﾚﾝ-2-ｽﾙﾎﾝ酸(5-)]ｺﾊﾞﾙﾄ酸(7-) 七水素	65335-15-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hexa(cyano-c)cobaltate(4-)	六ｼｱﾉ-C-ｺﾊﾞﾙﾄ酸(4-)	23209-26-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hexanoic acid, 3,5,5-trimethyl-, cobalt(2+) salt	3,5,5-ﾄﾘﾒﾁﾙﾍｷｻﾝ酸ｺﾊﾞﾙﾄ(II)	49676-83-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrazinium(1+), (OC-6-21)-[[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cobaltate(2-) (2:1)	ﾋﾄﾞﾗｼﾞﾆｳﾑｲｵﾝ(1+) ﾄ(OC-6-21)-[[N,N'-1,2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ[N-(ｶﾙﾎﾞｷｼﾒﾁﾙ)ｸﾞﾘｼﾝ酸]](4-)-N,N',O,O',ON,ON ']ｺﾊﾞﾙﾄ酸(2-) (2:1 混合)	68201-98-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrofluoric acid, reaction products with alumina and cobalt chloride (CoCl2)	酸化ｱﾙﾐﾆｳﾑﾔ塩化ｺﾊﾞﾙﾄ反応ｼﾀﾌｯ化水素	68442-96-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrogen [2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2-)]cobaltate(1-)	[2,4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H-ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)][1-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-2-ﾅﾌﾀﾚﾝ酸(2-)]ｺﾊﾞﾙﾄ酸(1-)水素	52277-72-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrogen [2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamidato(2-)][3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ)-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ]ｱｿﾞ]-3-ｵｷｿ-N-ﾌｪﾆﾙﾌﾞﾁﾙｱﾐﾄﾞ(2-)][3-[[1-(ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ-2-ｲﾙ)-2-ｵｷｿﾌﾟﾛﾋﾟﾙ]ｱｿﾞ]-4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-) 水素	83249-70-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrogen bis[1-[(2-hydroxy-4-nitrophenyl)azo]naphthalen-2-olato(2-)]cobaltate(1-)	ﾋﾞｽ[1-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-2-ﾅﾌﾀﾚﾝ-ｵﾗﾄ(2-)]-ｺﾊﾞﾙﾄ酸(1-)水素	32517-38-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrogen bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]cobaltate(1-)	ﾋﾞｽ[2,4-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H-ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-) 水素	84030-59-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrogen bis[2,4-dihydro-4-[[2-hydroxy-5-mesylphenyl]azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]cobaltate(1-)	ﾋﾞｽ[2,4-ｼﾞﾋﾄﾞﾛ-4-[[2-ﾋﾄﾞﾛｷｼ-5-ﾒｼﾙﾌｪﾆﾙ]ｱｿﾞ]-5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H-ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-) 水素	29998-71-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrogen bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-), compound with 2,2'-dodecyliminobis[ethanol] (1:1)	ﾋﾞｽ[2-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ]-3-ｵｷｿ-N-ﾌｪﾆﾙﾌﾞﾁﾙｱﾐﾀﾞﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-)．水素ﾄ2,2'-ﾄﾞﾃﾞｼﾙｲﾐﾉﾋﾞｽ[ｴﾀﾉｰﾙ]混合物(1:1)	84030-58-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hydrogen bis[3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	ﾋﾞｽ[3-[[1-(ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ-2-ｲﾙ) -2-ｵｷｿﾌﾟﾛﾋﾟﾙ]ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) 水素	83249-73-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrogen bis[5,8-dichloro-2-[(2-hydroxy-4-nitrophenyl)azo]-1-naphtholato(2-)]cobaltate(1-), compound with cyclohexylamine (1:1)	ﾋﾞｽ[5, 8-ｼﾞｸﾛﾛ-2-[(2-ﾋﾄﾞﾛｷｼ-4-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -1-ﾅﾌﾄｰﾙ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)、水素ﾄｼｸﾛﾍｷｼﾙｱﾐﾝの混合物(1:1)	82338-72-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrogen bis[5,8-dichloro-2-[(2-hydroxy-5-nitrophenyl)azo]-1-naphtholato(2-)]cobaltate(1-), compound with cyclohexylamine (1:1)	ﾋﾞｽ[5, 8-ｼﾞｸﾛﾛ-2-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] -1-ﾅﾌﾄｰﾙ酸(2-)] ｺﾊﾞﾙﾄ酸(1-)、水素ﾄｼｸﾛﾍｷｼﾙｱﾐﾝの混合物(1:1)	82338-74-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Hydrogen bis[N-[7-hydroxy-8-[[2-hydroxy-5-mesylphenyl]azo]-1-naphthyl]cobaltate(1-)	ﾋﾞｽ[N-[7-ﾋﾄﾞﾛｷｼ-8-[[2-ﾋﾄﾞﾛｷｼ-5-ﾒｼﾙﾌｪﾆﾙ] ｱｿﾞ] -1-ﾅﾌﾁﾙ] ｺﾊﾞﾙﾄ酸(1-)水素	29616-23-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Isononanoic acid, cobalt salt	ｲｿﾉﾅﾝ酸ｺﾊﾞﾙﾄ(混合)	57364-75-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Leach residues, zinc ore-calcine, cobalt repulp	ｺﾊﾞﾙﾄ再溶解の亜鉛ｶ焼材の鉛残留物	69012-71-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Lithium [2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamidato(2-)][3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾟﾁﾙｱﾐﾀﾞﾄ(2-)][3-[[1-(ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ-2-ｲﾙ)-2-ｵｷｿﾌﾟﾛﾋﾟﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾘﾁｳﾑ	83270-30-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Lithium bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-)	3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾟﾁﾙｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾋﾞｽ[2-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-ﾙﾄ酸(1-) ﾘﾁｳﾑ	83733-13-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Lithium bis[2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-)	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿ-N -ﾌｪﾆﾙﾌﾟﾀﾝｱﾐﾀﾞﾄ(2-)]ｺﾊﾞﾙﾄ酸(1-) ﾘﾁｳﾑ	83249-68-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Lithium bis[3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	ﾋﾞｽ[3-[[1-(ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ-2-ｲﾙ) -2-ｵｷｿﾌﾟﾛﾋﾟﾙ]ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾘﾁｳﾑ	83249-72-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Lithium nickel cobalt aluminum oxide	ﾘﾁｳﾑﾆｯｹﾙｺﾊﾞﾙﾄｱﾙﾐﾆｳﾑ酸化物	177997-13-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Molybdate (Mo7O246-), cobalt(3+) (2:1)	ﾓﾘﾌﾞﾃﾞﾝ酸(Mo7O246-) ｺﾊﾞﾙﾄ(3+)混合物(2:1)	68647-47-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
N,N'-Ethylenebis(glycinato-O,N)cobalt	N,N'-ｴﾁﾚﾝﾋﾞｽ(ｸﾞﾘｼﾝ酸-O,N) ｺﾊﾞﾙﾄ	29977-10-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Naphthenic acid, cobalt lead manganese salt	ﾅﾌﾃﾝ酸ｺﾊﾞﾙﾄ鉛ﾏﾝｶﾞﾝ塩(混合)	61789-50-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Neodecanoic acid, cobalt(2+) salt	ﾈｵﾃﾞｶﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	52270-44-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Nitric acid, cobalt(3+) salt	硝酸ｺﾊﾞﾙﾄ	15520-84-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Octadecanoic acid, cobalt salt	ｽﾃｱﾘﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	13586-84-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Octanoic acid, cobalt salt	ｵｸﾀﾝ酸ｺﾊﾞﾙﾄ	6700-85-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pentapotassium bis[5-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]naphthalene-2,7-disulphonato(4-)]cobaltate(5-)	ﾋﾞｽ[5-[(４-ｱﾐﾉ-6-ｸﾛﾛ-1,3, 5-ﾄﾘｱｼﾞﾝ-2-ｲﾙ) ｱﾐﾉ] -4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ]-2, 7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(4-)]ｺﾊﾞﾙﾄ酸(5-)五ｶﾘｳﾑ	79817-89-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Perchloric acid, cobalt(2+) salt	過塩素酸ｺﾊﾞﾙﾄ	13455-31-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●	●																
Phosphonic acid, (1-hydroxyethylidene)bis-, ammonium cobalt(2+) salt (1:2:1)	1-ﾋﾄﾞﾛｷｼｴﾁﾘﾃﾞﾝﾋﾞｽ(ﾎｽﾎﾝ酸),ｺﾊﾞﾙﾄ(Ⅱ),2ｱﾝﾓﾆｱ	69178-34-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Phosphonic acid, (1-hydroxyethylidene)bis-, cobalt(2+) potassium salt (1:1:2)	1-ﾋﾄﾞﾛｷｼｴﾁﾘﾃﾞﾝﾋﾞｽ(ﾎｽﾎﾝ酸),ｺﾊﾞﾙﾄ(Ⅱ),2ｶﾘｳﾑ	69140-59-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Phosphonic acid, (1-hydroxyethylidene)bis-, cobalt(2+) sodium salt (1:1:2)	1-ﾋﾄﾞﾛｷｼｴﾁﾘﾃﾞﾝﾋﾞｽ(ﾎｽﾎﾝ酸),ｺﾊﾞﾙﾄ(Ⅱ),2ﾅﾄﾘｳﾑ	69140-60-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Phosphoric acid, ammonium cobalt(2+) salt (1:1:1)	ﾘﾝ酸ｱﾝﾓﾆｳﾑｺﾊﾞﾙﾄ(Ⅱ)	14590-13-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Phosphoric acid, cobalt(2+) salt (1:1)	ﾘﾝ酸水素ｺﾊﾞﾙﾄ(Ⅱ)	13596-21-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Phosphoric acid, cobalt(2+) salt (2:1)	ﾋﾞｽ(ﾘﾝ酸二水素)ｺﾊﾞﾙﾄ(Ⅱ)	18718-10-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Phosphoric acid, cobalt(2+) salt (2:3), hydrate	ﾘﾝ酸ｺﾊﾞﾙﾄ塩(Ⅱ)ﾉ水和物	10101-56-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']cobaltate(1-)	[N,N -ﾋﾞｽ(ｶﾙﾎﾞｷｼﾒﾁﾙ) ｸﾞﾘｼﾝ酸(3-)-N,O,O',O'']ｺﾊﾞﾙﾄ酸(1-) ｶﾘｳﾑ	63640-17-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Propanoic acid, 2,2-dimethyl-, cobalt(2+) salt	2,2'-ｼﾞﾒﾁﾙﾌﾟﾛﾋﾟｵﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	15520-31-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Selenic acid, cobalt(2+) salt (1:1)	ｾﾚﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	14590-19-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Sodium [2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamidato(2-)][3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	ﾋﾞｽ[2-[[5-(ｱﾐﾉｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -3-ｵｷｿﾘ-N -ﾌｪﾆﾙﾌﾟﾁﾙｱﾐﾀﾞﾄ(2-)][3-[[1-(ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ-2-ｲﾙ)-2-ｵｷｿﾘﾌﾟﾛﾋﾟﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾅﾄﾘｳﾑ	83249-69-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Sodium bis[1-[[5-(ethylsulphonyl)-2-hydroxyphenyl]azo]-2-naphtholato(2-)]cobaltate(1-)	ﾋﾞｽ[1-[[5-(ｴﾁﾙｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -2-ﾅﾌﾄｰﾙ酸(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾅﾄﾘｳﾑ	55870-94-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Sodium bis[3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	ﾋﾞｽ[3-[[1-(ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ-2-ｲﾙ) -2-ｵｷｿﾘﾌﾟﾛﾋﾟﾙ] ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾅﾄﾘｳﾑ	83249-71-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Sodium bis[3-[[4,5-dihydro-3-methyl-1-(4-nitrophenyl)-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulphonamidato(2)]cobaltate(1-)	ﾘﾃﾞｭﾋﾞｽ[3-[4,5-ﾃﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-1-(4-ﾆﾄﾛﾌｪﾆﾙ)-5-ｵｷｿﾘ-1H-ﾋﾟﾗｿﾞｰﾙ-4 ｲﾙ]ｱｿﾞ]-4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝｽﾙﾎﾝﾅﾄﾘｳﾑ ﾋﾞｽ(ｴﾁﾙｱｾﾄｱｾﾄﾅﾄﾄ)ｺﾊﾞﾙﾄ(2+)	83803-65-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Sodium bis[4-[(4-chloro-1-hydroxy-2-naphthyl)azo]-N,N'-diethyl-5-hydroxybenzene-1,3-disulphonamidato(2-)]cobaltate(1-)	ﾋﾞｽ[4-[(4-ｸﾛﾛ-1-ﾋﾄﾞﾛｷｼ-2-ﾅﾌﾁﾙ)ｱｿﾞ]-N,N' -ｼﾞﾒﾁﾙ-5-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝ-1, 3-ｼﾞｽﾙﾎﾝ酸(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾅﾄﾘｳﾑ	24215-94-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Sodium bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]-N-methylbenzenesulphonamide S,S-dioxidato(2-)]cobaltate(1-)	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-[(5-ﾋﾄﾞﾛｷｼﾅﾌﾄ[2,1-d]-1, 3-ｵｷｻﾁｵｰﾙ-4-ｲﾙ) ｱｿﾞ]-N-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ-S,S-ｼﾞｵｷｼﾃﾞｰﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾅﾄﾘｳﾑ	83817-78-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sodium bis[methyl [8-[[5-(ethylsulphonyl)-2-hydroxyphenyl]azo]-7-hydroxy-2-naphthyl]methylcarbamato(2-)]cobaltate(1-)	ﾋﾞｽ[ﾒﾁﾙ[8-[[5-(ｴﾁﾙｽﾙﾎﾆﾙ) -2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ] ｱｿﾞ] -7-ﾋﾄﾞﾛｷｼ-2-ﾅﾌﾁﾙ]ﾒﾁﾙｶﾙﾊﾞﾒｰﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) ﾅﾄﾘｳﾑ	55870-93-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Spinels, cobalt nickel zinc grey	尖晶石(ｺﾊﾞﾙﾄﾆｯｹﾙ亜鉛ｸﾞﾚｰ)	95046-47-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Sulfuric acid, ammonium cobalt(2+) salt	ﾋﾞｽ(硫酸)ｺﾊﾞﾙﾄ(Ⅱ)二ｱﾝﾓﾆｳﾑ	13586-38-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Sulfuric acid, ammonium cobalt(2+) salt (2:2:1)	硫酸,ｱﾝﾓﾆｱ,ｺﾊﾞﾙﾄ(Ⅱ),(2:2:1)	13596-46-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●			●													
Sulfuric acid, cobalt salt, hydrate	硝酸ｺﾊﾞﾙﾄ塩水和物	65492-00-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Tetrakis[(decanoato-O)cobalt]tetra-.mu.-oxotitanium	ﾃﾄﾗｷｽ[(ﾃﾞｶﾝ酸-O) ｺﾊﾞﾙﾄ]ﾃﾄﾗ-μ-ｵｷｿﾁﾀﾝ	84145-31-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Tetrakis[(octanoato-O)cobalt]tetra-.mu.-oxotitanium	ﾃﾄﾗｷｽ[(ｵｸﾀﾝ酸-O)ｺﾊﾞﾙﾄ]ﾃﾄﾗ-μ-ｵｷｿﾁﾀﾝ	84176-59-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Thiocyanic acid, cobalt(2+) salt	ﾁｵｼｱﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	3017-60-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Tri-.mu.-carbonyltetracarbonyl(pentacarbonyldicobalt)dirhodium	ﾄﾘ-μ -ｶﾙﾎﾞﾆﾙﾃﾄﾗｶﾙﾎﾞﾆﾙ(五ｶﾙﾎﾞﾆﾙ二ｺﾊﾞﾙﾄ)二ﾛｼﾞｳﾑ	50696-78-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Tricobalt bis(orthophosphate)	ﾘﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	13455-36-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Tricopper bis[hexa(cyano-c)cobaltate(3-)]	二[(ﾍｷｻｼｱﾉ-C) ｺﾊﾞﾙﾄ酸(3-)] 三銅	14518-26-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trihydrogen bis[5-[[[4-hydroxy-3-[[2-oxo-1-[(phenylamino)carbonyl]propyl]azo]phenyl]sulphonyl]amino]naphthalene-2-sulphonato(3-)]cobaltate(3-)	ﾋﾞｽ[5-[[[4-ﾋﾄﾞﾛｷｼ-3-[[2-ｵｷｿ-1-[(ﾌｪﾆﾙｱﾐﾉ)ｶﾙﾎﾞﾆﾙ] ﾌﾟﾛﾋﾟﾙ] ｱｿﾞ]ﾌｪﾆﾙ]ｽﾙﾎﾆﾙ] ｱﾐﾉ] ﾅﾌﾀﾚﾝ-2-ｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-) 三水素	72932-56-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Triphenyl(p,p,p-triphenylphosphine imidato-N)phosphorus(1+) tetracarbonylcobaltate(1-)	ﾄﾘﾌｪﾆﾙ(p,p,p-ﾄﾘﾌｪﾆﾙﾘﾝｲﾐﾃﾞｰﾄ-N) ﾘﾝ酸(Ⅰ) ﾃﾄﾗｶﾙﾎﾞﾆﾙｺﾊﾞﾙﾄ酸(1-)	53433-12-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Tris(heptane-3,5-dionato-O,O')cobalt	ﾄﾘｽ(3,5-ﾍﾌﾟﾀﾝｼﾞｵﾅﾄ)ｺﾊﾞﾙﾄ(III)	15188-91-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trisodium [N,N-bis[2-[bis(carboxymethyl)amino]ethyl]glycinato(5-)]cobaltate(3-)	[N,N -ﾋﾞｽ[2-[ﾋﾞｽ(ｶﾙﾎﾞｷｼﾒﾁﾙ) ｱﾐﾉ] ｴﾁﾙ] ｸﾞﾘｼﾝ酸(5-)] ｺﾊﾞﾙﾄ酸(3-) 三ﾅﾄﾘｳﾑ	6255-07-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trisodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-hydroxy-5-nitrobenzenesulphonato(3-)]cobaltate(3-)	ﾋﾞｽ[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-) 三ﾅﾄﾘｳﾑ	84204-70-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trisodium bis[3-[(5-amino-3-methyl-1-phenyl-1H-pyrazol-4-yl)azo]-5-chloro-4-hydroxy-N-[2-(sulphooxy)ethyl]benzenesulphonamidato(3-)]cobaltate(3-)	ﾋﾞｽ[3-[(5-ｱﾐﾉ-3-ﾒﾁﾙ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -5-ｸﾛﾛ-4-ﾋﾄﾞﾛｷｼ-N-[2-(ｽﾙﾎｵｷｼ) ｴﾁﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾄﾞ(3-)] ｺﾊﾞﾙﾄ酸(3-) 三ﾅﾄﾘｳﾑ	83804-04-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trisodium bis[4-[4,5-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]benzene-1-sulphonato(3-)]cobaltate(3-)	ﾋﾞｽ[4-[4, 5-ｼﾞﾋﾄﾞﾛ-4-[(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] -3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ] ﾍﾞﾝｾﾞﾝ-1-ｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-) 三ﾅﾄﾘｳﾑ	79135-28-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

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Trisodium bis[4-hydroxy-3-nitro-5-[[2-oxo-1-[(phenylamino)carbonyl]propyl]azo]benzenesulphonato(3-)]cobaltate(3-)	ﾋﾞｽ[4-ﾋﾄﾞﾛｷｼ-3-ﾆﾄﾛ-5-[[2-ｵｷｿ-1-[(ﾌｪﾆﾙｱﾐﾉ)ｶﾙﾎﾞﾆﾙ] ﾌﾟﾛﾋﾟﾙ]ｱｿﾞ]ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-) 三ﾅﾄﾘｳﾑ	83733-22-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trisodium bis[5-chloro-2-hydroxy-3-[(2-hydroxy-1-naphthyl)azo]benzenesulphonato(3-)]cobaltate(3-)	ﾋﾞｽ[5-ｸﾛﾛ-2-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾙ) ｱｿﾞ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-) 三ﾅﾄﾘｳﾑ	6771-86-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trisodium bis[6-amino-5-[(2-hydroxy-3,5-dinitrophenyl)azo]naphthalene-1-sulphonato(3-)]cobaltate(3-)	ﾋﾞｽ[6-ｱﾐﾉ-5-[(2-ﾋﾄﾞﾛｷｼ-3, 5-ｼﾞﾆﾄﾛﾌｪﾆﾙ) ｱｿﾞ] ﾅﾌﾀﾚﾝ-1-ｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-) 三ﾅﾄﾘｳﾑ	84057-73-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trisodium bis[amino[(2-hydroxy-3,5-dinitrophenyl)azo]naphthalenesulphonato(3-)]cobaltate(3-)	ﾋﾞｽ[ｱﾐﾉ[(2-ﾋﾄﾞﾛｷｼ-3, 5-ｼﾞﾆﾄﾛﾌｪﾆﾙ)ｱｿﾞ] ﾅﾌﾀﾚﾝｽﾙﾎﾝ酸(3-)] ｺﾊﾞﾙﾄ酸(3-) 三ﾅﾄﾘｳﾑ	74220-71-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trisodium hexanitritocobaltate	ﾍｷｻﾆﾄﾛｺﾊﾞﾙﾄ(Ⅲ)酸ﾅﾄﾘｳﾑ	13600-98-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-N-[3-(1-methylethoxy)propyl]benzenesulfonamidato(2-)]cobaltate(1-)	9-(2-ｶﾙﾎﾞｷｼﾌｪﾆﾙ)-3, 6-ﾋﾞｽ(ｼﾞﾒﾁﾙｱﾐﾉ)-, ﾋﾞｽ[3-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼ-N-[3-(1-ﾒﾁﾙｴﾄｷｼ)ﾌﾟﾛﾋﾟﾙ] ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)] ｺﾊﾞﾙﾄ酸(1-) ｷｼﾘｳﾑ	71566-55-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
C.I. Acid Red 182	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ182	61901-42-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
1-Propanamin, N,N-dipropyl-, cobalt complex	N,N-ｼﾞﾌﾟﾛﾋﾟﾙ-1-ﾌﾟﾛﾊﾟﾝｱﾐﾝｺﾊﾞﾙﾄ錯体	75101-45-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt borate neodecanoate complexes,	ﾈｵﾃﾞｶﾝ酸ｺﾊﾞﾙﾄﾎｳ酸体	68457-13-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
C.I. Pigment Blue 28	酸化第一ｺﾊﾞﾙﾄ/酸化ｱﾙﾐﾆｳﾑ,(1:x)	1345-16-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt aluminate blue spinel	ｺﾊﾞﾙﾄｱﾙﾐﾝ酸ﾌﾞﾙｰｽﾋﾟﾈﾙ	68186-86-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
C.I. Acid Blue	C.I.ｱｼｯﾄﾞﾌﾞﾙｰ	51053-44-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
C.I. Pigment Blue 36	C.I.ﾋﾟｸﾞﾒﾝﾄﾌﾞﾙｰ36	68187-11-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
C.I. Pigment Blue 74 (Cobalt Zinc Silicate Blue Phenacite)		68412-74-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
C.I. Pigment Green 26	C.I.ﾋﾟｸﾞﾒﾝﾄｸﾞﾘｰﾝ26	68187-49-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
C.I. Pigment Violet 47	C.I.ﾋﾟｸﾞﾒﾝﾄﾊﾞｲｵﾚｯﾄ47	68610-13-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
C.I. Pigment Green 50	C.I.ﾋﾟｸﾞﾒﾝﾄｸﾞﾘｰﾝ50	68186-85-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●	●		●													
C.I. Pigment Blue 72	C.I.ﾋﾟｸﾞﾒﾝﾄﾌﾞﾙｰ72	68186-87-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
C.I. Pigment Green 19	C.I.ﾋﾟｸﾞﾒﾝﾄｸﾞﾘｰﾝ19	8011-87-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
C.I. Pigment Black 27	C.I.ﾋﾟｸﾞﾒﾝﾄﾌﾞﾗｯｸ27	68186-97-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Cobalt(II) isoalkanoates(C6-C19)	C6-19分枝脂肪酸のｺﾊﾞﾙﾄ塩	68409-81-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
(C9-C13) Neoalkanoic acids, cobalt(2+) salts	C9-13ﾈｵ脂肪酸ｺﾊﾞﾙﾄ塩	68955-83-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Trisodium bis(2-hydroxy-5-nitro-3-((2-oxo-1-((phenylamino)carbonyl)propyl)azo)benzenesulphonato(3-)cobaltate(3-)	ﾋﾞｽ[2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛ-3-((2-ｵｷｿ-1-((ﾌｪﾆﾙｱﾐﾉ)ｶﾙﾎﾞﾆﾙ)ﾌﾟﾛﾋﾟﾙ)ｱｿﾞ)ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(3-)]ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	85959-73-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Zinc chrome cobalt aluminate blue spinel		74665-01-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	●																
Colophony (Rosin), selected	ｺﾛﾌｫﾆｰ（ﾛｼﾞﾝ）、抜粋		Observation			●																
Rosin	ﾛｼﾞﾝ	8050-09-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Colophony resin	ｺﾛﾎﾆｰ	148499-15-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Resin acids and Rosin acids zinc salts	ﾚｼﾞﾝ酸･ﾛｼﾞﾝ酸ﾄ亜鉛の塩	91081-53-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Copper (metallic)	銅(金属)	7440-50-8	Observation	All applications and products	5 % copper and its compounds by weight 0.5 % copper and its compounds by weight (January 1, 2025)	●																
Critical Raw Materials		See list of substances reported in IMDS: https://public.mdsystem.com/web/imds-public-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Cumene	ｸﾒﾝ	98-82-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		●	
Cyclododecane, hexabromo- （HBCD）	ｼｸﾛﾄﾞﾃﾞｶﾝ、ﾍｷｻﾌﾞﾛﾓ（HBCD）		Prohibited			●																
Cyclododecane, hexabromo- （HBCD）		25637-99-4	Prohibited	All applications and products	Intentionally added	●	●	●		●			●								●		
1,2,5,6,9,10-Hexabromocyclododecane		3194-55-6	Prohibited	All applications and products	Intentionally added	●	●	●		●			●								●		
rel-(1R, 2S, 5R, 6S, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		4736-49-6	Prohibited	All applications and products	Intentionally added	●		●					●						●		●		
rel-(1R, 2S, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane		65701-47-5	Prohibited	All applications and products	Intentionally added	●		●					●						●		●		
rel-(1R, 2R, 5S, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	α-ﾍｷｻﾌﾞﾛﾓｼｸﾛﾄﾞﾃﾞｶﾝ	134237-50-6	Prohibited	All applications and products	Intentionally added	●	●	●		●			●								●		
rel-(1R, 2S, 5R, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	β-ﾍｷｻﾌﾞﾛﾓｼｸﾛﾄﾞﾃﾞｶﾝ	134237-51-7	Prohibited	All applications and products	Intentionally added	●	●	●		●			●								●		
rel-(1R, 2R, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane	γ-ﾍｷｻﾌﾞﾛﾓｼｸﾛﾄﾞﾃﾞｶﾝ	134237-52-8	Prohibited	All applications and products	Intentionally added	●	●	●		●			●								●		
(1R, 2R, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		138257-17-7	Prohibited	All applications and products	Intentionally added	●		●					●						●		●		
(1R, 2R, 5R, 6S, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		138257-18-8	Prohibited	All applications and products	Intentionally added	●		●					●						●		●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(1R, 2S, 5S, 6R, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		138257-19-9	Prohibited	All applications and products	Intentionally added	●		●					●					●		●		
(1R, 2S, 5S, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane		169102-57-2	Prohibited	All applications and products	Intentionally added	●		●					●					●		●		
(1R, 2R, 5S, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		678970-15-5	Prohibited	All applications and products	Intentionally added	●		●					●					●		●		
(1R, 2S, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		678970-16-6	Prohibited	All applications and products	Intentionally added	●		●					●					●		●		
(1R, 2R, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane		678970-17-7	Prohibited	All applications and products	Intentionally added	●		●					●					●		●		
Cyclohexane-1,2-dicarboxylic anhydride		85-42-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
D&C Orange No. 17		3468-63-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Decamethylcyclopentasiloxane		541-02-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●	●													
Diamino-diphenylmethane (4,4'-Diaminodiphenylmethane)	ｼﾞｱﾐﾉｰｼﾞﾌｪﾆﾙﾒﾀﾝ (4.4`-ｼﾞｱﾐﾉｰｼﾞﾌｪﾆﾙﾒﾀﾝ)	101-77-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●									●		●	
Diazene-1,2-dicarboxamide, Azodicarbonamide (ADCA)	ｱｿﾞｼﾞｶﾙﾎﾞﾝｱﾐﾄﾞ	123-77-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Dibromo-propanol		96-13-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●												●		●	
1,3-diethyl-2-thiourea		105-55-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
1,3-dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione		53988-10-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
1,3-dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione, zinc salt		61617-00-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2,4-Dihydroxybenzophenone		131-56-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Diisodecyl azelate		28472-97-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Dimethylformamide (N,N-Dimethylformamide)	N､N-ｼﾞﾒﾁﾙﾎﾙﾑｱﾐﾄﾞ	68-12-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●	●											●		●	
N,N-Dimethylacetamide	N,N-ｼﾞﾒﾁﾙｱｾﾄｱﾐﾄﾞ	127-19-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●												●		●	
2,4 Dinitrotoluene	2,4-ｼﾞﾆﾄﾛﾄﾙｴﾝ	121-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●										●		●	
Diorganotin compounds	ジ有機スズ化合物					●																
Dibutyltin compounds, all members	ジブチルスズ化合物、全て		Prohibited			●																
2,2'-((Dibutylstannylene)bis(thio))diethanol		3026-81-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
3,8,10-Trioxa-9-stannatetradeca-5,12-dien-14-oic acid, 9,9-dibutyl-2-methyl-4,7,11-trioxo-, 1-methylethyl ester, (Z,Z)-	3,8,10-ﾄﾘｵｷｻ-9-ｽﾀﾝﾅﾃﾄﾗﾃﾞｶ-5,12-ｼﾞｴﾝ-14-酸,9,9-ｼﾞﾌﾞﾁﾙ-2-ﾒﾁﾙ-4,7,11-ﾄﾘｵｷｿ-,1-ﾒﾁﾙｴﾁﾙ,(Z,Z)-	22535-42-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
3,8,10-Trioxa-9-stannatetradeca-5,12-dien-14-oic acid, 9,9-dibutyl-4,7,11-trioxo-, ethyl ester, (Z,Z)-	3,8,10-ﾄﾘｵｷｻ-9-ｽﾀﾝﾅﾃﾄﾗﾃﾞｶ-5,12-ｼﾞｴﾝ-14-酸,9,9-ｼﾞﾌﾞﾁﾙ-4,7,11-ﾄﾘｵｷｿ-,ｴﾁﾙ酸,(Z,Z)-	13173-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
5,7,12-Trioxa-6-stannatetracosa-2,9-dienoic acid, 6,6-dibutyl-4,8,11-trioxo-, dodecyl ester, (Z,Z)-	5,7,12-ﾄﾘｵｷｻｰ6-ｽﾀﾝﾅﾃﾄﾗｺｻｰ2,9-ｼﾞｴﾝ酸ﾄﾞﾃﾞｼﾙ,6,6-ｼﾞﾌﾞﾁﾙ-4,8,11-ﾄﾘｵｷｻｰ,ﾄﾞﾃﾞｼﾙ酸,(Z,Z)-	33466-31-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Acetate, S,S'-bisoctylmercapto-, dibutyltin	S,S'-ﾋﾞｽｵｸﾁﾙﾒﾙｶﾌﾟﾄ酢酸ｼﾞﾌﾞﾁﾙｽ	32011-18-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Bis (acetato) dibutyltin	ﾋﾞｽ酢酸ｼﾞﾌﾞﾁﾙｽｽﾞ	17523-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyl tin	ｼﾞﾌﾞﾁﾙｽｽﾞ	1002-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltinbis(2-ethylhexyl mercaptoacetate)		10584-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutylbis(octyl maleate)tin		17036-31-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Diisooctyl 4,4'-((dibutylstannylene)bis(oxy))bis(4-oxoisocrotonate)		25168-21-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutylbis((1-oxoneodecyl)oxy)stannane		25168-22-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutylbis(myristoyloxy)stannane		28660-67-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutylthioxostannane		4253-22-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutylbis[(1-oxoisooctadecyl)oxy]stannane		59963-28-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane		93925-42-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutylbis(ethyl 3-oxobutyrato-O1',O3)tin	ｼﾞﾌﾞﾁﾙﾋﾞｽ(ｴﾁﾙ-3-ｵｷｿﾌﾞﾁﾙ酸-O1',O3) ｽｽﾞ	54581-65-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin bis(2-ethylhexyl-3-mercaptopropionate)	3,3'-[(ｼﾞﾌﾞﾁﾙｽﾀﾆﾚﾝ)ﾋﾞｽ(ﾁｵ)]ﾋﾞｽﾌﾟﾛﾋﾟｵﾝ酸 ﾋﾞｽ(2-ｴﾁﾙﾍｷｼﾙ)	53202-61-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin bis(benzyl maleate)	8,8-ｼﾞﾌﾞﾁﾙ-3,6,10-ﾄﾘﾒｷｿﾞ-1-ﾌｪﾆﾙ-2,7,9-ﾄﾘｵｷｻ-8-ｽﾀﾝﾅﾄﾘﾃﾞｶ-4Z,11Z-ｼﾞｴﾝ-13-酸 ﾌｪﾆﾙﾒﾁﾙｴｽﾃﾙ	7324-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin bis(cyclohexyl maleate)	(Z,Z)-ｼﾞﾌﾞﾁﾙﾋﾞｽ[[4-(ｼｸﾛﾍｷｼﾙｵｷｼ)-1,4-ｼﾞｵｷｿﾞ-2-ﾌﾞﾃﾆﾙ]ｵｷｼ]ｽﾀﾝﾅﾝ	5587-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin bis(lauryl β-mercaptopropionate)	3,3'-[(ｼﾞﾌﾞﾁﾙｽﾀﾆﾚﾝ)ﾋﾞｽ(ﾁｵ)]ﾋﾞｽ-ﾌﾟﾛﾋﾟｵﾝ酸ｼﾞﾄﾞﾃﾞｼﾙ	51287-83-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin bis(octylthioglycolate)	2,2'-[(ｼﾞﾌﾞﾁﾙｽﾀﾆﾚﾝ)ｼﾞﾁｵ]ﾋﾞｽ酢酸ｼﾞｵｸﾁﾙｴｽﾃﾙ	2781-09-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin bis(oleyl maleate)	(all-Z)-4,4'-[(ｼﾞﾌﾞﾁﾙｽﾀﾆﾚﾝ)ﾋﾞｽ(ｵｷｼ)]ﾋﾞｽ[4-ｵｷｿﾞ-2-ﾌﾞﾃﾝ酸ｼﾞ-9-ｵｸﾀﾃﾞｾﾆﾙ	29881-72-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin di(isooctyl 3-mercaptopropionate)	3,3'-[(ｼﾞﾌﾞﾁﾙｽﾀﾆﾚﾝ)ﾋﾞｽ(ﾁｵ)ﾋﾞｽ-ﾌﾟﾛﾊﾟﾝ酸ｼﾞｲｿｵｸﾁﾙ	26761-46-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin diacetate	ｼﾞﾌﾞﾁﾙｽｽﾞｼﾞｱｾﾀｰﾄ	1067-33-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●	●															
Dibutyltin dibenzoate	ﾋﾞｽ(ﾍﾞﾝｿﾞｲﾙｵｷｼ)ｼﾞﾌﾞﾁﾙｽﾀﾝﾅﾝ	5847-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dibutyltin dibutoxide	ｼﾞﾌﾞﾁﾙｼﾞﾌﾞﾄｷｼﾄﾞ	3349-36-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin dichloride	ｼﾞﾌﾞﾁﾙｼﾞｸﾛﾛｽﾞ(Ⅳ)	683-18-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●	●	●														
Dibutyltin dihexanoate	ｼﾞﾌﾞﾁﾙﾋﾞｽ(ﾍｷｻﾉｲﾙｵｷｼ)ｽﾀﾝﾅﾝ	19704-60-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin dilaurate	ｼﾞﾌﾞﾁﾙ[(1-ｵｷｿﾄﾞﾃﾞｼﾙ)ｵｷｼ]ｽﾞ	77-58-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●	●															
Dibutyltin dilauryl mercaptide	ｼﾞﾌﾞﾁﾙﾋﾞｽ(ﾄﾞﾃﾞｼﾙﾁｵ)ｽﾀﾝﾅﾝ	1185-81-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin dimaleate	(Z,Z)-4.4'-[(ｼﾞﾌﾞﾁﾙｽﾀﾆﾚﾝ)ﾋﾞｽ(ｵｷｼ)]ﾋﾞｽ[4-ｵｷｿ-2Z,2'Z-2-ﾌﾞﾃﾝ酸]	10192-92-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyldimethoxystannane		1067-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin dioctanoate	ｼﾞﾌﾞﾁﾙﾋﾞｽ[(1-ｵｷｿｵｸﾁﾙ)ｵｷｼ]ｽﾞ	4731-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin dioleate	ｼﾞﾌﾞﾁﾙﾋﾞｽ(ｵﾚｲﾙｵｷｼ)ｽﾀﾝﾅﾝ	13323-62-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin dipalmitate	ｼﾞﾌﾞﾁﾙﾋﾞｽ[(1-ｵｷｿﾍｷｻﾃﾞｼﾙ)ｵｷｼ]ｽﾞ	13323-63-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin disalicylate	ｼﾞﾌﾞﾁﾙﾋﾞｽ((2-ﾋﾄﾞﾛｷｼﾍﾞﾝｿﾞｲﾙ)ｵｷｼ)ｽﾀﾝﾅﾝ	14214-24-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin distearate	ﾋﾞｽｽﾃｱﾘﾝ酸ｼﾞﾌﾞﾁﾙｽﾀﾝﾅﾝｼﾞｲﾙ	5847-55-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin hydrogen borate	ｼﾞﾌﾞﾁﾙｽｽﾞ水酸化ﾎｳ素	75113-37-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●			●													
Dibutyltin isooctanoate	ｼﾞﾌﾞﾁﾙﾋﾞｽ[(1-ｵｷｿｲｿｵｸﾁﾙ)ｵｷｼ]-ｽﾀﾝﾅﾝ	85702-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin linoleate	ｼﾞﾌﾞﾁﾙｽｽﾞﾘﾉｰﾙ酸塩	85391-79-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin linolenate	ｼﾞﾌﾞﾁﾙｽｽﾞﾘﾉﾚﾝ酸ｴｽﾃﾙ	95873-60-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin maleate	2,2-ｼﾞﾌﾞﾁﾙ-1,3,2-ｼﾞｵｷｻｽﾀﾈﾋﾟﾝ-4,7-ｼﾞｵﾝ	78-04-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●	●															
Dibutyltin mercaptoacetate	2,2-ｼﾞﾌﾞﾁﾙ-1,3,2-ｵｷｻｾﾃｱｽﾀﾉﾗﾝ	78-20-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin mercaptopropionate	2,2-ｼﾞﾌﾞﾁﾙｼﾞﾋﾄﾞﾛ-6H-1,3,2-ｵｷｻｾﾃｱｽﾀﾆﾝ	78-06-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin oxide	ｼﾞﾌﾞﾁﾙｽｽﾞｵｷｼﾄﾞ	818-08-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●	●															
Dibutyltin S,S'-bis(isooctyl mercaptoacetate)Acetic acid, 2,2'-[(dibutylstannylene)bis(thio)]bis-, 1,1'-diisooctyl ester)	ｼﾞﾌﾞﾁﾙｽｽﾞﾋﾞｽｲｿｵｸﾁﾙﾁｵｸﾞﾘｺﾚｰﾄ	25168-24-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutytin di(2-ethylhexyl maleate)	ｼﾞﾌﾞﾁﾙｽｽﾞ ｼﾞ(2-ｴﾁﾙﾍｷｼﾙ ﾏﾚｲﾝ酸)	15546-12-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dibutyltin bis(C8 to C18 unsatd. fatty acyloxy) derivs.		85508-00-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Diisobutyltin oxide	ｼﾞｲｿﾌﾞﾁﾙｽｽﾞｵｷｻｲﾄﾞ	61947-30-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Di-n-butyltin bis(methyl maleate)	Di-n-ﾌﾞﾁﾙｽｽﾞﾋﾞｽ(ﾏﾚｲﾝ酸ﾒﾁﾙ)	15546-11-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dibutyltin diisothiocyanate		15719-34-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Di-n-butyltin di(monobutyl)maleate	Di-n-ﾌﾞﾁﾙｽｽﾞﾀﾞｲ(ﾓﾉﾌﾞﾁﾙ)ﾏﾚｲﾝ酸ｴｽﾃﾙ	15546-16-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Di-n-butyltin di-2-ethylhexanoate	ｼﾞﾌﾞﾁﾙﾋﾞｽ[(2-ｴﾁﾙ-1-ｵｷｿﾍｷｼﾙ)ｱｾﾁｯｸｽﾞ	2781-10-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Distannathiane, 1,3-dibutyl-1,3-dithioxo-		15666-29-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Tin, dibutyl(1,2-ethanediamine-N,N')bis(monoisooctyl 2-butenedioato-O')-	ｼﾞﾌﾞﾁﾙ(1, 2-ｴﾀﾝｼﾞｱﾐﾝ-N,N')ﾋﾞｽ(ｲｿｵｸﾁﾙ2-ﾌﾞﾃﾝｼﾞｵｱﾄ-O') ｽｽﾞ	163206-28-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Tin, dibutyl[N-(carboxymethyl)-N-(2-hydroxyethyl)glycinato(2-)]-	ｼﾞﾌﾞﾁﾙ[N-(ｶﾙﾎﾞｷｼﾒﾁﾙ)-N-(2-ﾋﾄﾞﾛｷｼﾒﾁﾙ)ｸﾞﾘｼﾝ酸(2-)]ｽｽﾞ	68239-46-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	ｼﾞﾌﾞﾁﾙﾋﾞｽ(2,4-ﾍﾟﾝﾀﾝｼﾞｵﾅﾄ)ｽｽﾞ(IV)	22673-19-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●	●	●												●		
Tin, dibutylbis(methyl 3-mercaptopropanoato-O,S)-	ｼﾞﾌﾞﾁﾙﾋﾞｽ(ﾋﾄﾞﾛｹﾞﾝ 3-ﾒﾙｶﾌﾟﾄﾌﾟﾛﾋﾟｵﾅﾄ)-ｽｽﾞｼﾞﾒﾁﾙ	32011-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Tin, dibutylbis(N,N-diethylethanamine)difluoro-	ｼﾞﾌﾞﾁﾙﾋﾞｽ(N,N-ｼﾞｴﾁﾙｴﾀﾝｱﾐﾝ)ｼﾞﾌﾙｵﾛｽｽﾞ	67924-24-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dioctyltin compounds, all members	ジオクチルスズ化合物、全て		Prohibited			●																
Acetic acid,2,2'-[(dioctylstannylene)bis(thio)]bis-, 1,1'-diisooctyl ester	ｼﾞｵｸﾁﾙｽｽﾞﾋﾞｽ(ｲｿｵｸﾁﾙﾁｵｸﾞﾘｺﾚｰﾄ)	26401-97-8	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Bis(dodecylthio)dioctylstannane		22205-30-7	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
2-Butenedioic acid, 1,1'-(dioctylstannylene) 4,4'-diethyl ester		68109-88-6	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Di-n-octyltin bis(2-ethylhexyl maleate)		10039-33-5	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dioctylbis(pentane-2,4-dionato-O,O')tin		54068-28-9	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dioctylbis(stearoyloxy)stannane		22205-26-1	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		15571-58-1	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●	●	●		●												

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dioctyltin bis(isooctyl maleate)	ﾋﾞｽｲｿｵｸﾁﾙﾏﾚｲﾝ酸ｼﾞｵｸﾁﾙｽｽﾞ	33568-99-9	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dioctyltin dichloride	ｼﾞｸﾛﾛｼﾞｵｸﾁﾙｽｽﾞ	3542-36-7	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dioctyltin dilaurate		3648-18-8	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●	●	●														
Dioctyltin maleate	ｼﾞ-n-ｵｸﾁﾙｽｽﾞﾏﾚｲﾝ酸ｴｽﾃﾙ塩	16091-18-2	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dioctyltin oxide, (Stannane, dioctyloxo-)	ｼﾞ-n-ｵｸﾁﾙｽｽﾞｵｷｼﾄﾞ	870-08-6	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●	●															
Dioctyltindineodecanoate		68299-15-0	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane		93925-43-0	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Stannane, dioctyl-, bis(coco acyloxy) derivs.		91648-39-4	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●	●	●														
Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety		-	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●	●															
Reaction mass of DOTE/MOTE	DOTEとMOTEの反応生成物	-	Prohibited			●																
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		15571-58-1	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●	●	●		●												
2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (MOTE)		27107-89-7	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	●																
Other Diorganotin compounds	その他のジ有機スズ化合物		Observation			●																
2-Ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate		57583-35-4	Observation	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dimethoxybis(pentane-2,4-dionato-O,O')tin	ｼﾞﾒﾄｷｼﾋﾞｽ(ﾍﾟﾝﾀﾝ-2, 4-ｼﾞｵﾈｰﾄ-O,O') ｽｽﾞ	66779-19-9	Observation	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	●																
Dimethyltin dichloride		753-73-1	Observation	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	●																
1,4-Dioxane		123-91-1	Observation	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	●		●											●		●	
Disodium octaborate, anhydrous		12008-41-2	Observation	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	●	●	●														

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Disodium octaborate tetrahydrate; Boron sodium oxide (B8Na2O13), tetrahydrate	八ﾎｳ素二ﾅﾄﾘｳﾑ･四水和物	12280-03-4	Observation	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	●																
Disodiumtetraborates, selected	四ホウ酸二ナトリウム、抜粋					●																
Disodium Tetraborate, anhydrous	四ﾎｳ酸ﾅﾄﾘｳﾑ(無水物)	1330-43-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Disodium Tetraborate, pentahydrate	四ﾎｳ酸ﾅﾄﾘｳﾑ5水和物	12179-04-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Disodium Tetraborate, decahydrate	四ﾎｳ酸ﾅﾄﾘｳﾑ10水和物(ﾎｳ砂)	1303-96-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Tetraboron Disodium heptaoxide, hydrate	四ﾎｳ酸二ﾅﾄﾘｳﾑ水和物	12267-73-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
2,6-di-tert-butyl-p-cresol		128-37-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol		119-47-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●											●			
6,6'-di-tert-butyl-4,4'-thiodi-m-cresol		96-69-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2,5-di-tert-pentylhydroquinone		79-74-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2,2'-Dithiobis(benzothiazole)		120-78-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Dodecachloropentacyclo 1, 3, 4-Metheno-1H-cyclobuta(cd)pentalene, Mirex	ﾄﾞﾃﾞｶｸﾛﾛﾍﾟﾝﾀｼｸﾛ[5.3.0.0(2,6).0(3,9).0(4,8)]ﾃﾞｶﾝ、ﾏｲﾚｯｸｽ	2385-85-5	Prohibited	All applications and products	Intentionally added	●							●					●		●	●	
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene, all members			Prohibited			●																
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene		13560-89-9	Prohibited	All applications and products except for aerospace and defense applications and medical imaging and radiation therapy equipment and facilities applications.	Intentionally added	●	●	●										●		●		
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene		135821-74-8	Prohibited	All applications and products except for aerospace and defense applications and medical imaging and radiation therapy equipment and facilities applications.	Intentionally added	●	●											●		●		
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene		135821-03-3	Prohibited	All applications and products except for aerospace and defense applications and medical imaging and radiation therapy equipment and facilities applications.	Intentionally added	●	●	●										●		●		
Dodecamethylcyclohexasiloxane (D6)		540-97-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●							●							
Epichlorohydrin (1-chloro-2,3-epoxypropane)	ｴﾋﾟｸﾛﾋﾄﾞﾘﾝ	106-89-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]		84852-53-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●													●		
Ethane-1,2-diol		107-21-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Ethanol, 2-(2-methoxyethoxy)-	2-(2-ﾒﾄｷｼｴﾄｷｼ)ｴﾀﾉｰﾙ(DEGME)	111-77-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●										●			
Ethyl-/ Methyl-glycols and their acetates	エチル・メチルグリコールおよびそのアセテート類					●																
2-Methoxyethanol	2-ﾒﾄｷｼｴﾀﾉｰﾙ	109-86-4	Prohibited	Prohibited as impurity in Diethylene glycol methyl ether and in hard parts	Prohibited ≥ 0.5% w/w in Diethylene glycol methyl ether. Any intentionally added content in hard parts	●		●											●	●	●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Propanol, 2-methoxy-	2-ﾒﾄｷｼﾌﾟﾛﾊﾟﾉｰﾙ	1589-47-5	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●													●			
EGDME		110-71-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●											●			
2-Ethoxyethanol	2-ｴﾄｷｼｴﾀﾉｰﾙ,ｾﾛｿﾙﾌﾞ	110-80-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●		●	
2-Methoxyethyl acetate	ｴﾁﾚﾝｸﾞﾘｺｰﾙﾓﾉﾒﾁﾙｴｰﾃﾙｱｾﾃｰﾄ	110-49-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●		●	
Ethylbenzene		100-41-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide)		32588-76-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Ethylenediamine	ｴﾁﾚﾝｼﾞｱﾐﾝ	107-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Ethylene Glycol Monoethyl Ether Acetate		111-15-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●		●	
Ethyelenethiourea/Imidazolidine-2-thione	2-ｲﾐﾀﾞｿﾞﾘｼﾞﾝﾁｵﾝ	96-45-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●											●		●	
Formaldehyde	ﾎﾙﾑｱﾙﾃﾞﾋﾄﾞ	50-00-0	Prohibited	Applications and products for in-vehicle facilities	Intentionally added	●	●		●										●		●	
Glutaral; Glutaraldehyde; Pentane-1,5-dial; Pentanedial	ｸﾞﾙﾀﾙｱﾙﾃﾞﾋﾄﾞ	111-30-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Hexachlorobenzene	ﾍｷｻｸﾛﾛﾍﾞﾝｾﾞﾝ	118-74-1	Prohibited	All applications and products	Intentionally added	●							●					●	●	●	●	
Hexachloro-1,3-butadiene (HCBD)	ﾍｷｻｸﾛﾛ-1, 3-ﾌﾞﾀｼﾞｴﾝ (HCBD)	87-68-3	Prohibited	All applications and products	Intentionally added	●							●					●		●	●	●
Hexachlorocyclohexane, gamma isomer, Lindane	ﾍｷｻｸﾛﾛｼｸﾛﾍｷｻﾝ	58-89-9	Prohibited	All applications and products	Intentionally added	●							●					●				
Hexahydromethylphthalic-anhydride		25550-51-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Hexahydro-1-methylphthalic anhydride		48122-14-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Hexahydro-3-methylphthalic anhydride		57110-29-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Hexamethyldisiloxane		107-46-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2-Hexyldecan-1-ol		2425-77-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Hydrazine	ﾋﾄﾞﾗｼﾞﾝ	302-01-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●													●	
Hydrobromofluorocarbons (HBFC's), all members	ハイドロブロモフルオロカーボン（HBFC）、全て		Prohibited			●																
1,2-Dibromo-1,1-difluoroethane	1,2-ｼﾞﾌﾞﾛﾓ-1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ	75-82-1	Prohibited	All applications and products	Intentionally added	●	●															
Dibromofluoromethane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾒﾀﾝ	1868-53-7	Prohibited	All applications and products	Intentionally added	●	●															
C2H2F2Br2: 1,1-Dibromo-2,2-difluoroethane (Ethane, 1,1-Dibromo-2,2-difluoro-)	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	359-19-3	Prohibited	All applications and products	Intentionally added	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bromodifluoromethane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾒﾀﾝ	1511-62-2	Prohibited	All applications and products	Intentionally added	●	●															
1-Bromo-2-fluoroethane	ﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	762-49-2	Prohibited	All applications and products	Intentionally added	●	●															
1-Bromo-3-fluoropropane (Propane, 1-Bromo-3-fluoro-)	ﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	352-91-0	Prohibited	All applications and products	Intentionally added	●																
3-Bromo-1,1,1-trifluoropropane (Propane, 3-Bromo-1,1,1-trifluoro-)	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-32-2	Prohibited	All applications and products	Intentionally added	●																
1,2-Dibromo-1-fluoroethane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	358-97-4	Prohibited	All applications and products	Intentionally added	●	●															
1,3-Dibromo-1,1-difluoropropane	ｼﾞﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-25-3	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dibromo-1,1,2-trifluoroethane	ｼﾞﾌﾞﾛﾓﾄﾘﾌﾙｵﾛｴﾀﾝ	354-04-1	Prohibited	All applications and products	Intentionally added	●	●															
2,3-Dibromo-1,1,1-trifluoropropane	ｼﾞﾌﾞﾛﾓﾄﾘﾌﾙｵﾛｴﾀﾝ	431-21-0	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1,2-tetrabromo-2-fluoro-ethane	ﾃﾄﾗﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	353-93-5	Prohibited	All applications and products	Intentionally added	●																
1,1,2,2-tetrabromo-1-fluoro-ethane	ﾃﾄﾗﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	306-80-9	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1-tribromo-2,2-difluoroethane	ﾄﾘﾌﾞﾛﾓｼﾞﾌﾙｵﾛｴﾀﾝ	7304-53-2	Prohibited	All applications and products	Intentionally added	●																
1,2,2-tribromo-1,1-difluoroethane	ﾄﾘﾌﾞﾛﾓｼﾞﾌﾙｵﾛｴﾀﾝ	677-34-9	Prohibited	All applications and products	Intentionally added	●																
1,1,2-tribromo-1,2-difluoroethane	ﾄﾘﾌﾞﾛﾓｼﾞﾌﾙｵﾛｴﾀﾝ	353-97-9	Prohibited	All applications and products	Intentionally added	●																
1,1,2-tribromo-1-fluoroethane	ﾄﾘﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	420-88-2	Prohibited	All applications and products	Intentionally added	●																
1,1,2-tribromo-2-fluoroethane	ﾄﾘﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	598-67-4	Prohibited	All applications and products	Intentionally added	●																
C2H3F2Br: Bromo-1,1-difluoroethane (Ethane, 2-bromo-1,1-difluoro-)	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛｴﾀﾝ	359-07-9	Prohibited	All applications and products	Intentionally added	●																
C3HFBr6		none	Prohibited	All applications and products	Intentionally added	●																
C3HF2Br5		none	Prohibited	All applications and products	Intentionally added	●																
C3HF3Br4		none	Prohibited	All applications and products	Intentionally added	●																
C3HF4Br3	ﾄﾘﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HBFC-224 B3)	666-48-8	Prohibited	All applications and products	Intentionally added	●																
C3H2FBr5		none	Prohibited	All applications and products	Intentionally added	●																
C3H2F2Br4	ﾃﾄﾗﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HBFC-232 B4)	148875-98-3	Prohibited	All applications and products	Intentionally added	●																
1,2,2-Tribromo-3,3,3-trifluoropropane	ﾄﾘﾌﾞﾛﾓﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HBFC-233 B3)	421-90-9	Prohibited	All applications and products	Intentionally added	●																
1,3-Dibromo-1,1,3,3-tetrafluoropropane	ｼﾞﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HBFC-234 B2)	460-86-6	Prohibited	All applications and products	Intentionally added	●																
1-bromo-1,1,2,2,2-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	422-01-5	Prohibited	All applications and products	Intentionally added	●																
2-bromo-1,1,1,2,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	677-52-1	Prohibited	All applications and products	Intentionally added	●																
1-bromo-1,1,2,2,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	677-53-2	Prohibited	All applications and products	Intentionally added	●																
2-bromo-1,1,1,3,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	22692-16-6	Prohibited	All applications and products	Intentionally added	●																

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-bromo-1,1,3,3,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-88-8	Prohibited	All applications and products	Intentionally added	●	●															
1-bromo-1,2,2,3,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	679-94-7	Prohibited	All applications and products	Intentionally added	●																
2-bromo-1,1,2,3,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	26391-11-7	Prohibited	All applications and products	Intentionally added	●																
Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R*,S*)- (9CI)	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	53692-43-6	Prohibited	All applications and products	Intentionally added	●																
Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R*,R*)- (9CI)	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	53692-44-7	Prohibited	All applications and products	Intentionally added	●																
C3H3FBr4	ﾃﾄﾗﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HBFC-241 B4)	148875-95-0	Prohibited	All applications and products	Intentionally added	●																
1,2,3-Tribromo-3,3-difluoropropane	ﾄﾘﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	666-25-1	Prohibited	All applications and products	Intentionally added	●																
2-bromo-1,1,3,3-tetrafluoro-propane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	19041-01-1	Prohibited	All applications and products	Intentionally added	●																
2-bromo-1,3,3,3-tetrafluoropropane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	29151-25-5	Prohibited	All applications and products	Intentionally added	●																
3-Bromo-1,1,2,2-tetrafluoropropane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	679-84-5	Prohibited	All applications and products	Intentionally added	●	●															
1-bromo-1,1,2,2-tetrafluoropropane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	70192-84-6	Prohibited	All applications and products	Intentionally added	●																
1-bromo-1,2,2,3-tetrafluoro-propane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	70192-71-1	Prohibited	All applications and products	Intentionally added	●																
3-bromo-1,1,1,3-tetrafluoropropane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-67-3	Prohibited	All applications and products	Intentionally added	●																
C3H4FBr3	ﾄﾘﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	75372-14-4	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dibromo-3-fluoropropane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	453-00-9	Prohibited	All applications and products	Intentionally added	●																
1,3-Dibromo-2-fluoropropane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	1786-38-5	Prohibited	All applications and products	Intentionally added	●																
1,3-Dibromo-1-fluoropropane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	51584-26-0	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dibromo-1-fluoro-(R*,S*)-propane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	62135-10-8	Prohibited	All applications and products	Intentionally added	●																
1,2-Dibromo-1-fluoro-(R*,R*)-propane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	62135-11-9	Prohibited	All applications and products	Intentionally added	●																
2-bromo-1,1-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	430-87-5	Prohibited	All applications and products	Intentionally added	●																
1-bromo-1,1-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	420-89-3	Prohibited	All applications and products	Intentionally added	●																
1-bromo-2,2-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	420-98-4	Prohibited	All applications and products	Intentionally added	●																
2-bromo-1,3-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2195-05-3	Prohibited	All applications and products	Intentionally added	●																
3-bromo-1,1-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	461-49-4	Prohibited	All applications and products	Intentionally added	●																
1-bromo-2,3-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	111483-20-6	Prohibited	All applications and products	Intentionally added	●																
1-Bromo-1,1-difluoroethane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	420-47-3	Prohibited	All applications and products	Intentionally added	●	●															
1-Bromo-1,1,2,3,3,3-hexafluoropropane	ﾌﾞﾛﾓﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2252-78-0	Prohibited	All applications and products	Intentionally added	●	●															
2-Bromo-1,1,1-trifluoroethane	ﾌﾞﾛﾓﾄﾘﾌﾙｵﾛｴﾀﾝ	421-06-7	Prohibited	All applications and products	Intentionally added	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethene, 2-bromo-1,1-difluoro-	2-ﾌﾞﾛﾓ-1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ	359-08-0	Prohibited	All applications and products	Intentionally added	●																
Propane, 1-bromo-2-fluoro-	ﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	1871-72-3	Prohibited	All applications and products	Intentionally added	●	●															
Dibromodifluoromethane	ｼﾞﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾒﾀﾝ	75-61-6	Prohibited	All applications and products	Intentionally added	●	●															
Bromoethane (ethyl bromide)		74-96-4	Prohibited	All applications and products	Intentionally added	●	●														●	
Bromotetrafluoroethane (HBFC-124 B1)		124-72-1	Prohibited	All applications and products	Intentionally added	●	●															
Dibromopentafluoropropane (HBFC-225 B2)		431-78-7	Prohibited	All applications and products	Intentionally added	●	●															
Tribromodifluoropropane (HBFC-242 B3)		70192-80-2	Prohibited	All applications and products	Intentionally added	●	●															
Bromotrifluoropropane (HBFC-253 B1)		421-46-5	Prohibited	All applications and products	Intentionally added	●	●															
Tribromodifluoroethane (HBFC-122 B3)		-	Prohibited	All applications and products	Intentionally added	●	●															
Tribromofluoroethane (HBFC-131 B3)		-	Prohibited	All applications and products	Intentionally added	●	●															
Hexabromofluoropropane (HBFC-221 B6)		-	Prohibited	All applications and products	Intentionally added	●	●															
Pentabromodifluoropropane (HBFC-222 B5)		-	Prohibited	All applications and products	Intentionally added	●	●															
Tetrabromotrifluoropropane (HBFC-223 B4)		-	Prohibited	All applications and products	Intentionally added	●	●															
Tribromotetrafluoropropane (HBFC-224 B3)		-	Prohibited	All applications and products	Intentionally added	●	●															
Pentabromofluoropropane (HBFC-231 B5)		-	Prohibited	All applications and products	Intentionally added	●	●															
Tetrabromodifluoropropane (HBFC-232 B4)		-	Prohibited	All applications and products	Intentionally added	●	●															
Tribromotrifluoropropane (HBFC-233 B3)		-	Prohibited	All applications and products	Intentionally added	●	●															
Dibromotetrafluoropropane (HBFC-234 B2)		-	Prohibited	All applications and products	Intentionally added	●	●															
Tetrabromofluoropropane (HBFC-241 B4)		-	Prohibited	All applications and products	Intentionally added	●	●															
Bromodifluoropropane (HBFC-262 B1)		-	Prohibited	All applications and products	Intentionally added	●	●															
Hydrochlorofluorocarbons (HCFC's), all members	ﾊｲﾄﾞﾛｸﾛﾛﾌﾙｵﾛｶｰﾎﾞﾝ（HCFC）、全て		Prohibited			●																
1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)	1,1-ｼﾞｸﾛﾛ-1,2,2-ﾄﾘﾌﾙｵﾛｴﾀﾝ	812-04-4	Prohibited	All applications and products	Intentionally added	●	●															
1,2,2-Trichloro-1,1-difluoroethane	1,2,2-ﾄﾘｸﾛﾛ-1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ	354-21-2	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)		354-23-4	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dichloro-1,1-difluoroethane	1,2-ｼﾞｸﾛﾛ-1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ	1649-08-7	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dichloro-1,2-difluoroethane	1,2-ｼﾞｸﾛﾛ-1,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	431-06-1	Prohibited	All applications and products	Intentionally added	●	●															
2-chloro-1,3-difluoropropane	ｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-262)	102738-79-4	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Dichloro-1,2,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	111512-56-2	Prohibited	All applications and products	Intentionally added	●	●															

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tetrachlorodifluoropropane	ﾃﾄﾗｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-232)	127564-82-3	Prohibited	All applications and products	Intentionally added	●																
Trichlorodifluoropropane	ﾄﾘｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-242)	127564-90-3	Prohibited	All applications and products	Intentionally added	●																
Trichlorotetrafluoropropane	ﾄﾘｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	127564-91-4	Prohibited	All applications and products	Intentionally added	●																
2,2-Dichloro-1,1,1,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	128903-21-9	Prohibited	All applications and products	Intentionally added	●	●															
Chlorotrifluoroethane	ｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ	1330-45-6	Prohibited	All applications and products	Intentionally added	●	●															
Tetrachlorofluoropropane	ﾃﾄﾗｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-241)	134190-49-1	Prohibited	All applications and products	Intentionally added	●	●															
Trichlorofluoropropane	ﾄﾘｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-251)	134190-51-5	Prohibited	All applications and products	Intentionally added	●	●															
Hexachlorofluoropropane	ﾍｷｻｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-221)	134237-35-7	Prohibited	All applications and products	Intentionally added	●	●															
Pentachlorodifluoropropane	ﾍﾟﾝﾀｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	134237-36-8	Prohibited	All applications and products	Intentionally added	●	●															
Tetrachlorotrifluoropropane	ﾃﾄﾗｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-223)	134237-37-9	Prohibited	All applications and products	Intentionally added	●	●															
Trichlorotetrafluoropropane	ﾄﾘｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	134237-38-0	Prohibited	All applications and products	Intentionally added	●	●															
Tetrachlorodifluoropropane	ﾃﾄﾗｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-232)	134237-39-1	Prohibited	All applications and products	Intentionally added	●	●															
Trichlorotrifluoropropane	ﾄﾘｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-233)	134237-40-4	Prohibited	All applications and products	Intentionally added	●	●															
Chloropentafluoropropane	ｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-235)	134237-41-5	Prohibited	All applications and products	Intentionally added	●	●															
Trichlorodifluoropropane	ﾄﾘｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-242)	134237-42-6	Prohibited	All applications and products	Intentionally added	●	●															
Dichlorotrifluoropropane	ｼﾞｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-243)	134237-43-7	Prohibited	All applications and products	Intentionally added	●	●															
Chlorotrifluoropropane	ｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-253)	134237-44-8	Prohibited	All applications and products	Intentionally added	●	●															
Dichlorofluoropropane	ｼﾞｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-261)	134237-45-9	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Dichloro-1,2,2,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名HCFC-225)	13474-88-9	Prohibited	All applications and products	Intentionally added	●	●															
1,3-Dichloro-1,1,2,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名HCFC-225)	136013-79-1	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Dichloro-1,2-difluoroethane	ｼﾞｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ	1842-05-3	Prohibited	All applications and products	Intentionally added	●	●															
Dichlorofluoroethane	ｼﾞｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-141)	25167-88-8	Prohibited	All applications and products	Intentionally added	●	●															
Dichlorodifluoroethane	ｼﾞｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ(HCFC-132)	25915-78-0	Prohibited	All applications and products	Intentionally added	●	●															
Hexachlorofluoropropane	ﾍｷｻｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-221)	29470-94-8	Prohibited	All applications and products	Intentionally added	●	●															
Tetrachlorotrifluoropropane	ﾃﾄﾗｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-223)	29470-95-9	Prohibited	All applications and products	Intentionally added	●																
2,3-Dichloro-1,1,1-trifluoropropane		338-75-0	Prohibited	All applications and products	Intentionally added	●	●															
Trichlorodifluoroethane	ﾄﾘｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ(HCFC-122)	41834-16-6	Prohibited	All applications and products	Intentionally added	●	●															
2-chloro-2-fluoropropane	ｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-271)	420-44-0	Prohibited	All applications and products	Intentionally added	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-Dichloro-1,1,2,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	422-44-6	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	127564-92-5	Prohibited	All applications and products	Intentionally added	●	●															
2,3-Dichloro-1,1,1,2,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	422-48-0	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Dichloro-2,2,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	422-56-0	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	431-86-7	Prohibited	All applications and products	Intentionally added	●	●															
3-Chloro-1,1,1-trifluoropropane	3-ｸﾛﾛ-1,1,1-ﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-35-5	Prohibited	All applications and products	Intentionally added	●	●															
3,3-Dichloro-1,1,1-trifluoropropane	3,3-ｼﾞｸﾛﾛ-1,1,1-ﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-69-5	Prohibited	All applications and products	Intentionally added	●	●															
1-chloro-1,1,3,3,3-pentafluoropropane	1-ｸﾛﾛ-1,1,3,3,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-92-4	Prohibited	All applications and products	Intentionally added	●	●															
1,3-Dichloro-1,1,2,2,3-pentafluoropropane	1,3-ｼﾞｸﾛﾛ-1,1,2,2,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-225cb)	507-55-1	Prohibited	All applications and products	Intentionally added	●	●															
Trichlorotrifluoropropane	ﾄﾘｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-233)	61623-04-9	Prohibited	All applications and products	Intentionally added	●																
3-Chloro-1,1,2,2-tetrafluoropropane	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-244)	679-85-6	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1-Trichloro-3,3,3-trifluoropropane		7125-83-9	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Dichloro-1,2,2-trifluoropropane	ｼﾞｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名HCFC-243)	7125-99-7	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Dichloro-1-fluoropropane	ｼﾞｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-261)	7799-56-6	Prohibited	All applications and products	Intentionally added	●	●															
1,1,3-trichloro-1-fluoropropane	ﾄﾘｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-251)	818-99-5	Prohibited	All applications and products	Intentionally added	●	●															
Dichlorodifluoropropane	ｼﾞｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-252)	134190-52-6	Prohibited	All applications and products	Intentionally added	●	●															
Dichlorofluropropane		127404-11-9	Prohibited	All applications and products	Intentionally added	●																
Dichlorotetrafluoropropane	ｼﾞｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-234)	127564-83-4	Prohibited	All applications and products	Intentionally added	●	●															
Dichlorotrifluoropropane	ｼﾞｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-243)	116890-51-8	Prohibited	All applications and products	Intentionally added	●																
1,2-Dichloro-1-fluoroethane	ｼﾞｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-141)	430-57-9	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dichloro-1-fluoroethylene	ｼﾞｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-141)	430-58-0	Prohibited	All applications and products	Intentionally added	●																
1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(HCFC-124)	354-25-6	Prohibited	All applications and products	Intentionally added	●	●															
1-Chloro-1,1-difluoroethane	1-ｸﾛﾛ-1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ(HCFC-142b)	75-68-3	Prohibited	All applications and products	Intentionally added	●	●															
Chlorodifluoroethanes	ｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ(HCFC-142)	25497-29-4	Prohibited	All applications and products	Intentionally added	●	●															
Chlorodifluoromethane	ｸﾛﾛｼﾞﾌﾙｵﾛﾒﾀﾝ	75-45-6	Prohibited	All applications and products	Intentionally added	●	●															
Chlorofluoromethane	ｸﾛﾛﾌﾙｵﾛﾒﾀﾝ	593-70-4	Prohibited	All applications and products	Intentionally added	●	●															
Chlorotetrafluoroethane	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(HCFC-124)	63938-10-3	Prohibited	All applications and products	Intentionally added	●	●															
Dichlorofluoromethane	ｼﾞｸﾛﾛﾌﾙｵﾛﾒﾀﾝ(別名HCFC-21)	75-43-4	Prohibited	All applications and products	Intentionally added	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dichlorotrifluoroethane	ｼﾞｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ(HCFC-123)	34077-87-7	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, 1,1,1-trichloro-2-fluoro-	1,1,1-ﾄﾘｸﾛﾛ-2-ﾌﾙｵﾛｴﾀﾝ	2366-36-1	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, 1,1,2-trichloro-1-fluoro-	ﾄﾘｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-131)	811-95-0	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, 1,1,2-trichloro-2-fluoro-	1,1,2-ﾄﾘｸﾛﾛ-2-ﾌﾙｵﾛｴﾀﾝ	359-28-4	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, 1,1-dichloro-1-fluoro-	1,1-ｼﾞｸﾛﾛ-1-ﾌﾙｵﾛｴﾀﾝ(HCFC-141b)	1717-00-6	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, 1,2-difluoro-1,1,2-trichloro-	1,1,2-ﾄﾘｸﾛﾛ-1,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	354-15-4	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, 1-chloro-1,2-difluoro-	ｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ(HCFC-142)	338-64-7	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, 2,2-dichloro-1,1,1-trifluoro-	2,2-ｼﾞｸﾛﾛ-1,1,1-ﾄﾘﾌﾙｵﾛｴﾀﾝ(HCFC-123)	306-83-2	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, 2-chloro-1,1,1,2-tetrafluoro-	2-ｸﾛﾛ-1,1,1,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(別名HCFC-124)	2837-89-0	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, chloro-1,1-difluoro-	ｸﾛﾛ-1,1-ｼﾞﾌﾛﾛｴﾀﾝ	55949-44-5	Prohibited	All applications and products	Intentionally added	●																
Ethane, monochlorodifluoro-	ﾓﾉｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ	338-65-8	Prohibited	All applications and products	Intentionally added	●	●															
Trichlorofluoroethane	ﾄﾘｸﾛﾛﾌﾙｵﾛｴﾀﾝ	27154-33-2	Prohibited	All applications and products	Intentionally added	●	●															
chlorodifluoropropane	ｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-262)	134190-53-7	Prohibited	All applications and products	Intentionally added	●	●															
chlorofluoroethane	ｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-151)	110587-14-9	Prohibited	All applications and products	Intentionally added	●	●															
chlorofluorooopropane		134190-54-8	Prohibited	All applications and products	Intentionally added	●	●															
chlorohexafluoropropane	ｸﾛﾛﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-226)	28987-04-4	Prohibited	All applications and products	Intentionally added	●																
chloropentafluoropropane	ｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-235)	108662-83-5	Prohibited	All applications and products	Intentionally added	●																
chlorotetrafluoropropane	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名HCFC-244)	134190-50-4	Prohibited	All applications and products	Intentionally added	●	●															
chlorotrifluoropropane	ｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-253)	26588-23-8	Prohibited	All applications and products	Intentionally added	●																
chloro-1,1,1-trifluoroethane	ｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ(別名HCFC-133)	75-88-7	Prohibited	All applications and products	Intentionally added	●	●															
Pentachlorodifluoropropane	ﾍﾟﾝﾀｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	116867-32-4	Prohibited	All applications and products	Intentionally added	●																
Pentachlorofluoropropane	ﾍﾟﾝﾀｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-231)	134190-48-0	Prohibited	All applications and products	Intentionally added	●	●															
1-chloro-1,1,2-trifluoroethane	ｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ(HCFC-133)	421-04-5	Prohibited	All applications and products	Intentionally added	●	●															
1-chloro-1,2,2-trifluoroethane	ｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ(別名HCFC-133)	431-07-2	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Dichloro-2-fluoroethane	1,1-ｼﾞｸﾛﾛ-2-ﾌﾙｵﾛｴﾀﾝ	430-53-5	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Dichloro-2,2-difluoroethane	1,1-ｼﾞｸﾛﾛ-2,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	471-43-2	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1,2-Tetrachloro-2-fluoroethane	ﾃﾄﾗｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-121)	354-11-0	Prohibited	All applications and products	Intentionally added	●	●															
1,1,2,2-Tetrachloro-1-fluoroethane	ﾃﾄﾗｸﾛﾛﾌﾙｵﾛｴﾀﾝ	354-14-3	Prohibited	All applications and products	Intentionally added	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1,1,2,3,3,3-Heptachloro-2-fluoropropane (CFC-211ba)		422-81-1	Prohibited	All applications and products	Intentionally added	●	●															
Chloromethane (methyl chloride)		74-87-3	Prohibited	All applications and products	Intentionally added	●	●															●	
Tetrachlorofluoroethane (HCFC-121)		134237-32-4	Prohibited	All applications and products	Intentionally added	●	●																
1,1,1-Trichloro-2,2-difluoroethane (HCFC-122b)		354-12-1	Prohibited	All applications and products	Intentionally added	●	●																
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)		90454-18-5	Prohibited	All applications and products	Intentionally added	●	●																
Trichlorofluoroethane (HCFC-131)		134237-34-6	Prohibited	All applications and products	Intentionally added	●	●																
1-Chloro-2-fluoroethane (HCFC-151)		762-50-5	Prohibited	All applications and products	Intentionally added	●	●																
1-Chloro-1-fluoroethane (HCFC-151a)		1615-75-4	Prohibited	All applications and products	Intentionally added	●	●																
1,1,1,2,2,3-Hexachloro-3-fluoropropane		422-26-4	Prohibited	All applications and products	Intentionally added	●	●																
1,1,1,3,3-pentachloro-2,2-difluoropropane (HCFC-222ca)		422-49-1	Prohibited	All applications and products	Intentionally added	●	●																
1,2,2,3,3-pentachloro-1,1-difluoropropane (HCFC-222aa)		422-30-0	Prohibited	All applications and products	Intentionally added	●	●																
1,1,3,3-Tetrachloro-1,2,2-trifluoropropane (HCFC-223ca)		422-52-6	Prohibited	All applications and products	Intentionally added	●	●																
1,1,1,3-Tetrachloro-2,2,3-trifluoropropane (HCFC-223cb)		422-50-4	Prohibited	All applications and products	Intentionally added	●	●																
1,1,3-Trichloro-1,2,2,3-tetrafluoropropane (HCFC-224cb)		422-53-7	Prohibited	All applications and products	Intentionally added	●	●																
1,1,1-Trichloro-2,2,3,3-tetrafluoropropane (HCFC-224cc)		422-51-5	Prohibited	All applications and products	Intentionally added	●	●																
Chlorohexafluoropropane (HCFC-226)		134308-72-8	Prohibited	All applications and products	Intentionally added	●	●																
2-Chloro-1,1,1,3,3,3-hexafluoro-propane (HCFC-226da)		431-87-8	Prohibited	All applications and products	Intentionally added	●	●																
1,1,1,2,3-pentachloro-2-fluoro-propane (HCFC-231bb)		421-94-3	Prohibited	All applications and products	Intentionally added	●	●																
1,1,1,3-Tetrachloro-3,3-difluoropropane (HCFC-232fc)		460-89-9	Prohibited	All applications and products	Intentionally added	●	●																
1,2-Dichloro-1,2,3,3-tetrafluoropropane (HCFC-234db)		425-94-5	Prohibited	All applications and products	Intentionally added	●	●																
1,1,2,3-Tetrachloro-1-fluoropropane (HCFC-241db)		666-27-3	Prohibited	All applications and products	Intentionally added	●	●																
1,3,3,Trichloro-1,1-difluoropropane (HCFC-242fa)		460-63-9	Prohibited	All applications and products	Intentionally added	●	●																
1-Chloro-1,1,2,2-tetrafluoropropane (HCFC-244cc)		421-75-0	Prohibited	All applications and products	Intentionally added	●	●																
1,1,2-Trichloro-1-fluoropropane (HCFC-251dc)		421-41-0	Prohibited	All applications and products	Intentionally added	●	●																
1,2-Dichloro-2-fluoro-propane (HCFC-261ba)		420-97-3	Prohibited	All applications and products	Intentionally added	●	●																
1-Chloro-2,2-difluoropropane (HCFC-262ca)		420-99-5	Prohibited	All applications and products	Intentionally added	●	●																
1-Chloro-1,1-difluoropropane (HCFC-262fc)		421-02-3	Prohibited	All applications and products	Intentionally added	●	●																
1-Chloro-1-fluoropropane (HCFC-271fb)		430-55-7	Prohibited	All applications and products	Intentionally added	●	●																

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1,1,3-Tetrachloro-2,2,3,3-tetrafluoropropane (CFC-214cb)		-	Prohibited	All applications and products	Intentionally added	●	●															
1,1,2-Trichloropentafluoropropane (CFC-215bb)		-	Prohibited	All applications and products	Intentionally added	●	●															
1,1,3-Trichloropentafluoropropane (CFC-215cb)		-	Prohibited	All applications and products	Intentionally added	●	●															
Hydrofluorocarbons (HFC's), saturated, all members	ハイドロフルオロカーボン（HFC）、飽和状態、全て		Prohibited			●																
1,1,1,2,2,3,3-Heptafluoropropane	1,1,1,2,2,3,3-ﾍﾌﾟﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2252-84-8	Prohibited	All applications and products	Intentionally added	●																
1,1,1,2,3,3-Hexafluoropropane	1,1,1,2,3,3-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	431-63-0	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1,2-Tetrafluoroethane	1,1,1,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	811-97-2	Prohibited	All applications and products	Intentionally added	●	●															
1,1,2,2-Tetrafluoroethane	1,1,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	359-35-3	Prohibited	All applications and products	Intentionally added	●	●															
1,1,2-Trifluoroethane	1,1,2-ﾄﾘﾌﾙｵﾛｴﾀﾝ	430-66-0	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Difluoroethane	1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ	75-37-6	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Difluoroethane	1,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	624-72-6	Prohibited	All applications and products	Intentionally added	●																
Difluoroethane	ｼﾞﾌﾙｵﾛｴﾀﾝ	25497-28-3	Prohibited	All applications and products	Intentionally added	●																
Difluoromethane	ｼﾞﾌﾙｵﾛﾒﾀﾝ	75-10-5	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, 1,1,1-trifluoro-	1,1,1-ﾄﾘﾌﾙｵﾛｴﾀﾝ	420-46-2	Prohibited	All applications and products	Intentionally added	●	●															
Ethane, pentafluoro-	ﾍﾟﾝﾀﾌﾙｵﾛｴﾀﾝ	354-33-6	Prohibited	All applications and products	Intentionally added	●	●															
Ethyl fluoride	ｴﾁﾙﾌﾙｵﾘﾄﾞ	353-36-6	Prohibited	All applications and products	Intentionally added	●																
Methyl fluoride	ﾌｧｲﾋﾞﾒﾁﾙ	593-53-3	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1,2,2-Pentafluoropropane	1,1,1,2,2-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	1814-88-6	Prohibited	All applications and products	Intentionally added	●																
1,1,1,3,3-Pentafluoropropane	1,1,1,3,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-73-1	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1,3,3-Pentafluorobutane	1,1,1,3,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾞﾀﾝ	406-58-6	Prohibited	All applications and products	Intentionally added	●	●															
Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-	1,1,1,2,2,3,4,5,5,5-ﾃﾞｶﾌﾙｵﾛﾍﾟﾝﾀﾝ	138495-42-8	Prohibited	All applications and products	Intentionally added	●	●															
Propane, 1,1,1,2,3,3,3-heptafluoro-	1,1,1,2,3,3,3-ﾍﾌﾟﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	431-89-0	Prohibited	All applications and products	Intentionally added	●	●															
Propane, 1,1,1,3,3,3-hexafluoro-	1,1,1,3,3,3-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	690-39-1	Prohibited	All applications and products	Intentionally added	●	●															
Propane, hexafluoro-	ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	27070-61-7	Prohibited	All applications and products	Intentionally added	●																
Trifluoroethane	ﾄﾘﾌﾙｵﾛｴﾀﾝ	27987-06-0	Prohibited	All applications and products	Intentionally added	●																
Trifluoromethane	ﾄﾘﾌﾙｵﾛﾒﾀﾝ	75-46-7	Prohibited	All applications and products	Intentionally added	●	●															
1,1,2,2,3-Pentafluoropropane (HFC-245ca)		679-86-7	Prohibited	All applications and products	Intentionally added	●	●															
Trifluoroiodomethane (trifluoromethyl iodide)		2314-97-8	Prohibited	All applications and products	Intentionally added	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,3-Dicloro-1,1-difluoropropane (HCFC-252fb)		819-00-1	Prohibited	All applications and products	Intentionally added	●	●															
Indium tin oxide (ITO)		50926-11-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)benzene]		21850-44-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●																
1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromo-2-methylpropoxy)benzene]		97416-84-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Isodecyl diphenyl phosphate		29761-21-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
4,4'-isopropylidenediphenol		80-05-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●	●											●		●	
Isopropylphenyl phosphate		68937-41-7	Reduced	Products excluding lubricating oil and grease	Intentionally added	●	●																●
Lead and its compounds, all members	鉛およびその化合物、全て					●																	
(2-Ethylhexanoato-O)(isodecanoato-O)lead	(2-ｴﾁﾙﾍｷｻﾝ酸-O)(ｲｿﾃﾞｶﾝ酸-O) 鉛	94246-92-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●					●	
(2-Ethylhexanoato-O)(isononanoato-O)lead	(2-ｴﾁﾙﾍｷｻﾝ酸-O)(ｲｿﾉﾅﾝ酸-O) 鉛	94246-91-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●					●	
(2-Ethylhexanoato-O)(isooctanoato-O)lead	(2-ｴﾁﾙﾍｷｻﾝ酸-O)(ｲｿｵｸﾀﾝ酸-O) 鉛	94246-90-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●					●	
(2-Ethylhexanoato-O)(neodecanoato-O)lead	(2-ｴﾁﾙﾍｷｻﾝ酸-O)(ﾈｵﾃﾞｶﾝ酸-O) 鉛	94246-93-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●					●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(Isodecanoato-O)(isononanoato-O)lead	(ｲｿﾃﾞｶﾝ酸-O)(ｲｿﾉﾅﾝ酸-O) 鉛	94246-86-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
(Isodecanoato-O)(isooctanoato-O)lead	(ｲｿﾃﾞｶﾝ酸-O)(ｲｿｵｸﾀﾝ酸-O) 鉛	94246-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
(Isodecanoato-O)(neodecanoato-O)lead	(ｲｿﾃﾞｶﾝ酸-O)(ﾈｵﾃﾞｶﾝ酸-O) 鉛	94246-87-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
(Isononanoato-O)(isooctanoato-O)lead	(ｲｿﾉﾅﾝ酸-O)(ｲｿｵｸﾀﾝ酸-O) 鉛	94246-84-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
(Isononanoato-O)(neodecanoato-O)lead	(ｲｿﾉﾅﾝ酸-O)(ﾈｵﾃﾞｶﾝ酸-O) 鉛	94481-58-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
(Neononanoato-O)(neoundecanoato-O)lead	(ﾈｵﾉﾅﾝ酸-O)(ﾈｵｳﾝﾃﾞｶﾝ酸-O) 鉛	93894-64-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
.alpha.-D-Glucopyranose, 1-(dihydrogen phosphate), lead salt	ｱﾙﾌｧ-D-ｸﾞﾙｺﾋﾟﾗﾉｰｽ,1-ﾘﾝ酸,鉛	68901-12-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
[.mu.-(4,6-Dinitroresorcinolato(2-)-O1,O3)]dihydroxydilead	[μ-(4, 6-ｼﾞﾆﾄﾛﾚｿﾞﾙｼﾝ酸(2-)-O1,O3)]二水酸化二鉛	84837-22-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
[.mu.-[[5,5'-Azobis[1H-tetrazolato]](2-)]]dihydroxydilead	[μ-[[5,5'-ｱｿﾞﾋﾞｽ[1H-ﾃﾄﾗｿﾞﾗﾄ]](2-)]]二水素二鉛	94015-57-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead salt	1,2,3-ﾌﾟﾛﾊﾟﾝﾄﾘｶﾙﾎﾞｷｼﾗｰﾄ,2-ﾋﾄﾞﾛｷｼｰ,鉛	14450-60-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead(2+) salt (2:3)	ｸｴﾝ酸鉛	512-26-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead(2+) salt (2:3), trihydrate	ｸｴﾝ酸鉛(Ⅱ)三水和物	6107-83-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-Benzenedicarboxylic acid, lead(2+) salt	1,2-ﾍﾞﾝｾﾞﾝｼﾞｶﾙﾎﾞｷｼﾙ酸鉛	18608-34-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1,2-Benzenedicarboxylic acid, lead(2+) salt, basic	塩基性1,2-ﾍﾞﾝｾﾞﾝｼﾞｶﾙﾎﾞﾝ酸鉛(Ⅱ) 塩	90193-83-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1,3,5,7,9-Pentaoxa-2.lambda.2,4.lambda.2,6.lambda.2,8.lambda.2-tetraplumbacyclotridec-11-ene-10,13-dione, (Z)-	ﾏﾚｲﾝ酸鉛(Ⅱ)三塩基性	12275-07-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, lead salt	1,3,5-ﾄﾘｱｼﾞﾝ-2,4,6(1H,3H,5H)-ﾄﾘｵﾝ鉛塩	54554-36-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1,3-Benzenediol, 2,4,6-trinitro-, lead salt/Lead styphnate	ｽﾃﾌﾆﾝ酸鉛	15245-44-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●						●		●		●	
1,3-Benzenediol, nitro-, lead(2+) salt (1:1)	1,3-ﾍﾞﾝｾﾞﾝｼﾞｵﾗｰﾄ,ﾆﾄﾛ-,lead(2+)salt(1:1)	70268-38-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,4-Cyclohexadien-1-one, 3,5,6-trihydroxy-4,6-bis(3-methyl-2-butenyl)-2-(3-methyl-2-oxobutyl)-, lead salt, (R)-	2,4-ｼﾞｸﾛﾍｷｻｼﾞｴﾝ-1-ｵﾝ,3,5,6-ﾄﾘﾋﾄﾞﾛｷｼ-4,6-ﾋﾞｽ(3-ﾒﾁﾙ-2-ﾌﾞﾃﾆﾙ)-2-(3-ﾒﾁﾙ-2-ﾒｷｿﾌﾞﾁﾙ)-,鉛,(R)-	68901-11-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
2-Butenedioic acid (E)-, lead salt	((E)-2-ﾌﾞﾃﾝ二酸)ｼﾞｱﾆｵﾝ,鉛	13698-55-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
2-Butenedioic acid (E)-, lead(2+) salt, basic	塩基性2-ﾌﾞﾃﾝ酸鉛	90268-59-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
2-Butenedioic acid (Z)-, lead(2+) salt, basic	塩基性2-ﾌﾏﾙ酸(Z) 鉛塩	90268-66-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
2-Propenoic acid, 2-methyl-, lead salt, basic	2-ﾒﾁﾙ-2-ﾌﾟﾛﾍﾟﾝ酸鉛塩	90552-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, lead(2+) bis(2-methyl-2-propenoate) and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl)	ﾋﾞｽ(2-ﾒﾁﾙ-2-ﾌﾟﾛﾍﾟﾝ酸) 鉛(Ⅱ) ﾄｶ-(2-ﾒﾁﾙ-1-ｵｷｿ-2-ﾌﾟﾛﾍﾟﾆﾙ)-ω-[(2-ﾒﾁﾙ-1-ｵｷｿ-2-ﾌﾟﾛﾍﾟﾆﾙ) ｵｷｿ] ﾎﾟﾘ(ｵｷｿ-1, 2-ｴﾀﾝｼﾞｲﾙ) ﾉ2-ﾒﾁﾙ-2-ﾌﾟﾛﾍﾟﾝ酸ﾒﾁﾙｴｽﾃﾙｴﾃﾆﾙﾍﾞﾝｾﾞﾝﾎﾞﾘﾏｰ	68155-47-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3-(Triphenylplumbyl)-1H-pyrazole	3-(ﾄﾘﾌｪﾆﾙﾌﾟﾙﾝﾋﾞﾙ)-1H-ﾋﾟﾗｿﾞｰﾙ	51105-45-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
7,11-Metheno-11H,13H-tetrazolo[1,5-c][1,7,3,5,2,6]dioxadiazadiplumbacyclododecine, 5,5,13,13-tetradehydro-4,5-dihydro-4,8,10,15-tetranitro-	7, 11-ﾒﾀﾉ-11H,13H -ﾃﾄﾗｿﾞﾛ[1,5-c][1,7,3,5,2,6]ｼﾞｵｷｻｼﾞｱｻﾞ鉛酸ｼｸﾛﾃﾞｼｼﾞﾝ,5,5,13, 13-ﾃﾄﾗﾋﾄﾞﾛ-4, 5-ｼﾞﾋﾄﾞﾛ-4,8,10, 15-四硝酸	19651-80-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
7-Methyloctanoic acid, lead salt	7-ﾒﾁﾙｵｸﾀﾝ酸,鉛	97952-39-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
9-Hexadecenoic acid, lead(2+) salt, (Z)-, basic	塩基性9-ﾍｷｻﾃﾞｾﾝ酸鉛(Ⅱ) 塩	90388-15-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
9-Octadecenoic acid (Z)-, lead salt	ｵﾚｲﾝ酸鉛(混合)	15347-55-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
9-Octadecenoic acid (Z)-, lead salt, basic	塩基性9-ｵｸﾀﾃﾞｶﾝ酸鉛(Ⅱ) 塩	90459-88-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Acetic acid, lead salt, basic	塩基性酢酸鉛	51404-69-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●					●				●	
Acetoxytributylplumbane	ｱｾﾄｷｼﾄﾘﾌﾞﾁﾙﾌﾟﾙﾝﾊﾞﾝ	2587-82-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Acetoxytrimethylplumbane	酢酸ﾄﾘﾒﾁﾙ鉛	5711-19-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Acetoxytriphenylplumbane	ｱｾﾄｷｼﾄﾘﾌｪﾆﾙﾌﾟﾙﾝﾊﾞﾝ	1162-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Arsenic acid, lead (4+) salt	ヒ酸鉛 (4+)塩	53404-12-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Basic lead sulfite	塩基性亜硫酸鉛	12608-25-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivitives, lead(2+) salts	ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸鉛(Ⅱ) 塩(炭素数10-13の炭化水素化合物誘導体)	84961-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Bis(diethyldithiocarbamato-S,S')lead	ﾋﾞｽ(ｼﾞｴﾁﾙｼﾞﾁｵｶﾙﾊﾞﾐﾄﾞ酸)鉛	17549-30-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Bis(o-acetoxybenzoato)lead	ﾋﾞｽ(o-ｱｾﾄｷｼ安息香酸)鉛	62451-77-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Bis(pentane-2,4-dionato-O,O')lead	ﾋﾞｽ(2,4-ﾍﾟﾝﾀﾝｼﾞｵﾅﾄ)鉛(Ⅱ)	15282-88-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Bismuth lead ruthenium oxide	酸化ﾋﾞｽﾏｽ鉛ﾙﾃﾆｳﾑ	65229-22-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Bismuth, compound with lead (1:1)	ﾋﾞｽﾏｽ,鉛	12048-28-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, lead(2+) salt (1:1)	酒石酸鉛(Ⅱ)	815-84-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Carbamodithioic acid, ethylphenyl-, lead(2+) salt	ﾋﾞｽ(ｴﾁﾙ(ﾌｪﾆﾙ)ｶﾙﾊﾞﾓｼﾞﾁｵ酸)鉛	93892-65-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Carbonic acid, lead(2+) salt	炭酸,鉛(Ⅱ)	25510-11-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Castor oil, dehydrated, polymer with rosin, calcium lead zinc salt	合成樹脂原料となる脱水化したひまし油のｶﾙｼｳﾑ鉛亜鉛油	68604-05-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Chlorotrimethylplumbane	ｸﾛﾛﾄﾘﾒﾁﾙﾌﾟﾙﾝﾊﾞﾝ	1520-78-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Chlorotriphenylplumbane	塩化ﾄﾘﾌｪﾆﾙ鉛	1153-06-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead sulfochromate yellow(C.I. Pigment Yellow 34)	硫ｸﾛﾑ酸鉛黄色 (CIﾋﾟｸﾞﾒﾝﾄｲｴﾛｰ34)	1344-37-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●	●	●	●					●				●	
Chromium lead oxide	ｸﾛﾑ酸鉛	11119-70-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Chromium lead oxide sulfate, silica-modified	変性ｹｲ酸硫酸ｸﾛﾑ酸鉛	116565-74-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
C.I. Pigment Orange 21	ﾋﾟｸﾞﾒﾝﾄｵﾚﾝｼﾞ21	1344-38-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Copper, .beta.-resorcylate salicylate lead complexes	β-ﾚｿﾞﾙｼﾝ酸ｻﾘﾁﾙ酸鉛銅の混合物	68411-07-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●					●	●					●				●	
Cyclohexanebutanoic acid, lead(2+) salt	ｼｸﾛﾍｷｻﾌﾞﾀﾝ酸鉛(Ⅱ) 塩	62637-99-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Decanoic acid, branched, lead salts	分岐型ﾃﾞｶﾝ酸鉛塩	90342-24-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Decanoic acid, lead salt	ｾﾊﾞｼﾝ酸鉛(混合)	20403-42-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Diacetoxydiphenylplumbane	ｼﾞｱｾﾄｷｼｼﾞﾌｪﾆﾙ鉛酸塩	6928-68-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Diamyldithiocarbamate, lead	ｼﾞｱﾐﾙｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸鉛	109707-90-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Diantimony lead tetroxide	二ｱﾝﾁﾓﾝ鉛四酸化物	16450-50-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Dibasic lead stearate	ﾄﾘｽﾃｱﾘﾝ酸二鉛	56189-09-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dibismuth dilead tetraruthenium tridecaoxide	ﾆﾋﾞｽﾏｽﾆ鉛三ﾙﾃﾆｳﾑ三ﾃﾞｶｵｷｼﾄﾞ	11116-83-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Dilead chromate dihydroxide	水酸化ｸﾛﾑ酸二鉛	12017-86-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Dilead dirhodium heptaoxide	二鉛二ﾛｼﾞｳﾑ七酸化物	37240-96-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Diphenyllead dichloride	ｼﾞﾌｪﾆﾙ鉛ｼﾞｸﾛﾘﾄﾞ	2117-69-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Diplumbane, hexaethyl-	ﾍｷｻｴﾁﾙ二鉛酸塩	2388-00-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Diplumbane, hexaphenyl-	ﾍｷｻﾌｪﾆﾙ二鉛酸塩	3124-01-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Docosanoic acid, lead salt	ﾄﾞｺｻﾝ酸鉛	3249-61-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Dodecanoic acid, lead salt, basic	塩基性ﾄﾞﾃﾞｶﾝ酸鉛塩	90342-56-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Dodecanoic acid, lead(2+) salt	ﾗｳﾘﾝ酸鉛(II)	15773-55-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C12-18, lead salts	脂肪酸鉛塩(炭素数12-18)	68131-60-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C14-26, lead salts	脂肪酸鉛塩(炭素数C14-26)	93165-26-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C16-18, lead salts	脂肪酸鉛塩(炭素数C16-18)	91031-62-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fatty acids, C18-24, lead salts	脂肪酸鉛塩(炭素数18-24)	84776-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C4- 20-branched, lead salts	脂肪酸鉛の塩(炭素数4-20)	125328-49-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C6- 19-branched, lead salts	分岐型脂肪酸鉛塩(炭素数C6-19)	91002-20-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C8-10, lead salts	脂肪酸鉛塩(炭素数C8-10)	91031-61-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C8-10-branched, lead salts	分岐型脂肪酸鉛塩(炭素数8-10)	85049-42-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C8-10-branched, lead salts, basic	塩基性鉛/脂肪酸(炭素数8-10 /分枝型)	68409-79-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fatty acids, C8-12, lead salts	脂肪酸鉛塩(炭素数8-12)	84776-53-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C8-18 and C18-unsaturated, lead salts	脂肪酸鉛塩(炭素数8-18及び18 個/不飽和物)	84776-36-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C8-9, lead salts	脂肪酸鉛塩(炭素数C8-9)	91031-60-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C9-11-branched, lead salts	分岐型脂肪酸(炭素数9-11)鉛塩	81412-57-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, castor-oil, hydrogenated, lead salts	水素化したひまし油の脂肪酸鉛塩	91697-36-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, coco, lead salts	ﾔｼ油の脂肪酸鉛塩	92044-89-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fatty acids, tall-oil, lead manganese salts	脂肪酸ﾄｰﾙ油鉛ﾏﾝｶﾞﾝ塩	61788-53-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, tall-oil, lead salts	脂肪酸ﾄｰﾙ油鉛塩	61788-54-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, tallow, reaction products with lead oxide	酸化鉛により反応生成される獣脂の脂肪酸	94349-78-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Flue dust, lead blast furnace	鉛高炉中の煙塵	70514-05-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Formic acid, lead salt	ｷﾞ酸鉛塩	7056-83-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Gilsonite, polymer with linseed oil, lead salt	ｱﾏﾆ油ﾎﾞﾘﾏｰのｷﾞﾙｿﾅｲﾄ鉛塩	68989-89-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, lead(2+) sodiumsalt (1:1:2)	N,N'-1,2-ｴﾀﾝｼﾞｲﾙ[N-(ｶﾙﾎﾞｷｼﾒﾁﾙ)ｸﾞﾘｼﾝ,鉛(Ⅱ),ﾅﾄﾘｳﾑ(1:1:2)]	22904-40-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Hafnium lead trioxide	酸化鉛ﾊﾌﾆｳﾑ	12029-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Hexacosanoic acid, lead salt	ﾍｷｻｺｻﾝ酸鉛塩	94006-20-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Hexadecanoic acid, lead salt, basic	塩基性ﾍｷｻﾃﾞｶﾝ酸鉛塩	90388-09-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Hexadecanoic acid, lead(2+) salt, basic	塩基性ﾍｷｻﾃﾞｶﾝ酸鉛(Ⅱ) 塩	90388-10-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Hexanoic acid, 2-ethyl-, lead(2+) salt	2-ｴﾁﾙﾍｷｻﾝ酸鉛(II)	301-08-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hexanoic acid, 3,5,5-trimethyl-, lead salt	3,5,5-ﾄﾘﾒﾁﾙﾍｷｻﾝ酸鉛(混合)	23621-79-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Hydroxy(neodecanoato-O)lead	ﾈｵﾃﾞｶﾝ酸水酸化鉛	71753-04-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Iron lead oxide (Fe12PbO19)	酸化鉄鉛(Fe12PbO19)	12023-90-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Isodecanoic acid, lead salt, basic	塩基性ｲｿﾃﾞｶﾝ酸鉛塩	90431-14-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Isodecanoic acid, lead(2+) salt, basic	塩基性ｲｿﾃﾞｶﾝ酸鉛(Ⅱ)塩	91671-82-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Isononanoic acid, lead salt	ｲｿﾉﾅﾝ酸鉛(混合)	27253-41-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Isononanoic acid, lead salt, basic	塩基性ｲｿﾉﾅﾝ酸鉛塩	90431-21-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Isooctanoic acid, lead salt	ｲｿｵｸﾀﾝ酸鉛(混合)	64504-12-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Isooctanoic acid, lead salt, basic	塩基性ｲｿｵｸﾀﾝ酸鉛塩	90431-26-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Isooctanoic acid, lead(2+) salt, basic	塩基性ｲｿｵｸﾀﾝ酸鉛(Ⅱ) 塩	91671-83-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Isoundecanoic acid, lead(2+) salt, basic	塩基性ｲｿｳﾝﾃﾞｶﾝ酸鉛(Ⅱ) 塩	91671-84-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lauric acid, lead salt	ﾗｳﾘﾝ酸鉛(混合)	15306-30-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Leach residues, lead slag	鉛ｽﾗｸﾞ中の鉛残留物	69029-71-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead	鉛	7439-92-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Lead (II) acetate, trihydrate	酢酸鉛三水和物	6080-56-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●				●	●						●				●	
Lead (II) methylthiolate	ﾒﾁﾙﾁｵｰﾙ酸鉛(Ⅱ)	35029-96-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead (IV) acetate	酢酸鉛(IV)	546-67-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead borosilicate Pb5B2SiO10		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●					●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead 12-hydroxyoctadecanoate	12-ﾋﾄﾞﾛｷｼｵｸﾀﾃﾞｶﾝ酸,鉛	65127-78-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead 2,4-dihydroxybenzoate	2,4-ｼﾞﾋﾄﾞﾛｷｼ安息香酸鉛(混合)	20936-32-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead 2-ethylhexoate	2-ｴﾁﾙﾍｷｻﾝ酸鉛(混合)	16996-40-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead 3-(acetamido)phthalate	3-(ｱｾﾄｱﾐﾄﾞ) ﾌﾀﾙ酸鉛	93839-98-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead 5-nitroterephthalate	5-ﾆﾄﾛﾃﾚﾌﾀﾙ酸鉛	60580-60-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead acetate	酢酸鉛(混合)	15347-57-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead acetate	酢酸鉛(混合)	301-04-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●					●				●	
Lead acrylate	ｱｸﾘﾙ酸鉛	14466-01-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead alloy, dross	ﾄﾞﾛｽ中の鉛合金	69011-59-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead alloy, Pb,Sn, dross	ﾊﾝﾀﾞﾄﾞﾛｽの鉛合金	69011-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead antimonate	ｱﾝﾁﾓﾝ酸鉛	13510-89-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead antimonide	ｱﾝﾁﾓﾝ鉛	12266-38-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead arsenate	ヒ酸鉛	3687-31-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●					●				●	
Lead arsenate	ヒ酸鉛	7784-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●					●				●	
Lead arsenate (Pb3(AsO4)2)	砒酸鉛(ii)	10102-48-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead arsenate, unspecified	ヒ酸鉛(混合)	7645-25-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead arsenite	亜ヒ酸鉛	10031-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead azide	ｱｼﾞ化鉛(Ⅱ)	13424-46-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead benzoate	安息香酸鉛(混合)	15907-04-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead bis(12-hydroxystearate)	ﾘｼﾉｰﾙ酸鉛	58405-97-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead bis(2-ethylhexanolate)	鉛(Ⅱ)ﾋﾞｽ(2-ｴﾁﾙ-1-ﾍｷｻﾉﾗｰﾄ)	93840-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead bis(3,5,5-trimethylhexanoate)	鉛(Ⅱ)ﾋﾞｽ(3,5,5-ﾄﾘﾒﾁﾙﾍｷｻﾝ酸)	35837-70-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead bis(5-oxo-DL-prolinate)	鉛(Ⅱ)ﾋﾞｽ(5-ｵｷｿ-ﾋﾟﾛﾘｼﾞﾝｶﾙﾎﾞﾝ酸)	85392-78-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead bis(5-oxo-L-prolinate)	鉛(Ⅱ)ﾋﾞｽ(5-ｵｷｿ-L-ﾌﾟﾛﾘﾝ)	85392-77-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead bis(isononanoate)	鉛(Ⅱ)ﾋﾞｽ(ｲｿﾉﾅﾝ酸)	52847-85-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead bis(isoundecanoate)	ｲｿｳﾝﾃﾞｶﾝ酸鉛(II)	93965-29-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead bis(nonylphenolate)	ﾉﾆﾙﾌｪﾉｰﾙ鉛(II) 塩	72586-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead bis(piperidine-1-carbodithioate)	ﾋﾞｽ(1-ﾋﾟﾍﾟﾘｼﾞﾝｶﾙﾎﾞｼﾞﾁｵｱﾄ-S,S') 鉛	41556-46-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead bis(p-octylphenolate)	ﾋﾞｽ(p-ｵｸﾁﾙﾌｪﾉｰﾙ) 鉛	84394-98-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead bis(tetracosylbenzenesulphonate)	ﾋﾞｽ(ﾃﾄﾗｺｼﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸) 鉛	85865-91-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead bis(tricosanoate)	ﾋﾞｽ(ﾄﾘｺｻﾝ酸)鉛	93966-37-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead bis[didodecylbenzenesulphonate]	ﾋﾞｽ(ｼﾞﾄﾞﾃﾞｼﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸)鉛	85865-92-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead borate	ﾎｳ酸鉛(II)	14720-53-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead b-resorcylate	2,4-ｼﾞﾋﾄﾞﾛｷｼ安息香酸鉛(II)	41453-50-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead bromide (PbBr2)	臭化鉛(Ⅱ)	10031-22-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead carbonate	炭酸鉛(Ⅱ)	598-63-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●		●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead chloride	塩化鉛(Ⅱ)	7758-95-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead chloride (V.A.N.)	塩化鉛(V.A.N.)	12612-47-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead chloride oxide	塩化鉛酸化物	12205-72-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead chromate	ｸﾛﾑ酸鉛	7758-97-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●	●	●	●					●				●	
Lead chromate oxide	塩基性ｸﾛﾑ酸鉛	18454-12-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead chromate silicate	ｹｲ酸ｸﾛﾑ鉛	11113-70-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead chromate silicate (Pb3(CrO4)(SiO4))	ｹｲｸﾛﾑ酸鉛	69011-07-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead chromate sulfate (Pb9(CrO4)5(SO4)4)	硫酸鉛ｸﾛﾒｰﾄ (Pb9(CrO4)5(SO4)4)	51899-02-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead cyanamidate	ｼｱﾅﾐﾄﾞ鉛	20890-10-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead cyanamide	ｼｱﾅﾐﾄﾞ鉛(II)	20837-86-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●			●	●						●				●	
Lead cyanamide	ｼｱﾅﾐﾄﾞ鉛(II)	35112-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead cyanide	ｼｱﾝ化鉛(Ⅱ)	592-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead dibenzoate	安息香酸鉛	873-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead dibromate	二臭素酸鉛(II)	34018-28-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead dibutanolate	鉛(Ⅱ)ｼﾞ(1-ﾌﾞﾀﾉﾗｰﾄ)	65119-94-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead dibutyrate	酪酸鉛	819-73-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead didocosanoate	ﾋﾞｽ(ﾄﾞｺｻﾝ酸)鉛(II)	29597-84-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead dihexanoate	ｶﾌﾟﾛﾝ酸鉛(II)	15773-53-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead dilactate	乳酸鉛(Ⅱ)	18917-82-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead dilinoleate	ﾋﾟｽ((9Z,12Z)-9,12-ｵｸﾀﾃﾞｶｼﾞｴﾝ酸)鉛(II)	33627-12-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead dimethyldithiocarbamate	ｼﾞﾒﾁﾙｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸鉛	19010-66-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead dimyristate	ﾐﾘｽﾁﾝ酸鉛	32112-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead dipalmitate	ﾊﾟﾙﾐﾁﾝ酸鉛	15773-56-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead diphosphinate	ﾎｽﾌｨﾝ酸鉛(Ⅱ)	10294-58-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead dipicrate	ﾆﾋﾟｸﾘﾝ酸鉛	6477-64-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●					●				●	
Lead dipropionate	ｼﾞﾌﾟﾛﾊﾟﾝ酸鉛(Ⅱ)	814-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead disulphamidate	ﾋﾞｽ(ｱﾐﾄﾞ硫酸)鉛(Ⅱ)	13767-78-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead disulphide	硫化鉛	12137-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead diundec-10-enoate	ﾋﾞｽ(10-ｳﾝﾃﾞｾﾝ酸)鉛(Ⅱ)	94232-40-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead fluoborate	ﾃﾄﾗﾌﾙｵﾛﾎｳ酸鉛(Ⅱ)	13814-96-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead fluoride	ﾌｯ化鉛	7783-46-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead fluoride hydroxide	水酸化ﾌｯ酸鉛	97889-90-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead fluorosilicate	ｹｲﾌｯ化鉛二水和物	25808-74-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead formate	ｷﾞ酸鉛	811-54-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead germanate	ｹﾞﾙﾏﾆｳﾑ鉛	12435-47-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead hexafluorosilicate	ﾍｷｻﾌﾙｵﾛｹｲ酸鉛(Ⅱ)	1310-03-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead hydroxide	水酸化鉛	19783-14-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead hydroxide	水酸化鉛	39345-91-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead hydroxide nitrate	水酸化鉛窒化物	12268-84-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead hydroxysalicylate	水酸化ｻﾘﾁﾙ酸鉛	87903-39-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead icosanoate	ｲｺｻﾝ酸,鉛	94266-32-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead icosanoate (1:2)	ｲｺｻﾝ酸鉛(2:1)	94266-31-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead iodate	ﾖｳ素酸鉛	25659-31-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead iodide	ﾖｳ化鉛	10101-63-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead isophthalate	ｲｿﾌﾀﾙ酸鉛	38787-87-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead linoleate	ﾘﾉｰﾙ酸,鉛	16996-51-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead malate	ﾋﾄﾞﾛｷｼﾌﾞﾀﾝ二酸鉛	816-68-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead maleate	(Z)-2-ﾌﾞﾃﾝ二酸,塩	19136-34-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead methacrylate	ﾋﾟｽﾒﾀｸﾘﾙ酸鉛(Ⅱ)	1068-61-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead methacrylate	ﾋﾟｽﾒﾀｸﾘﾙ酸鉛(Ⅱ)	52609-46-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead molybdate	ﾓﾘﾌﾞﾃﾞﾝ酸鉛(Ⅱ)	10190-55-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead monoxide	一酸化鉛	1317-36-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●						●				●	
Lead myristate	ﾃﾄﾗﾃﾞｶﾝ酸、鉛	20403-41-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead naphthalate	ｼｸﾛﾍｷｻﾝｶﾙﾎﾞﾝ酸,鉛	50825-29-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead naphthenate	ﾅﾌﾃﾝ酸鉛	61790-14-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead neobate	ﾈｵﾃﾞ酸鉛(Ⅱ)	12034-88-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead neodecanoate	ﾈｵﾃﾞｶﾝ酸鉛(混合)	27253-28-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead nitrate	硝酸鉛	10099-74-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Lead nitroresorcinate	ﾆﾄﾛﾚｿﾞﾙｼﾝ酸鉛	51317-24-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead oleate	ｵﾚｲﾝ酸鉛	1120-46-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead oxalate	ｼｭｳ酸鉛(Ⅱ)	814-93-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead oxide	酸化鉛	1335-25-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●					●	●						●				●	
Lead oxide (Pb2O)	酸化鉛	12059-89-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead oxide (PbO), lead-contg.	鉛含有の酸化鉛	68411-78-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead oxide (PbO), retort	溶融物中の酸化鉛	69029-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead oxide phosphonate (Pb3O2(HPO3))	二塩基性ﾘﾝ酸鉛	12141-20-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead oxide phosphonate, hemihydrate	ﾘﾝｻﾝ酸鉛(Ⅱ)	1344-40-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead oxide sulfate	酸化硫酸鉛	12765-51-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead oxide sulfate (Pb2O(SO4))	一塩基性硫酸鉛	12036-76-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Lead oxide sulfate (Pb4O3(SO4))	三塩基性硫酸鉛	12202-17-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Lead oxide sulfate (Pb5O4(SO4))	硫酸四酸化五鉛	12065-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Lead palmitate	ﾊﾟﾙﾐﾁﾝ酸鉛(混合)	19528-55-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead pentadecanoate	ﾍﾟﾝﾀﾃﾞｶﾝ酸鉛(混合)	93966-74-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead perchlorate	過塩素酸鉛(Ⅱ)	13637-76-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●		●		●	●					●				●	
Lead peroxide	二酸化鉛	1309-60-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●		●		●	●					●				●	
Lead phosphate	ﾘﾝ酸鉛	7446-27-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●		●		●	●					●				●	
Lead phthalate	ﾌﾀﾙ酸鉛	16183-12-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead phthalate	ﾌﾀﾙ酸鉛	6838-85-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead picrate	ﾋﾟｸﾘﾝ酸鉛	25721-38-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead propionate	ﾌﾟﾛﾋﾟｵﾝ酸鉛	42558-73-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead pyrophosphate	ﾋﾟﾛﾘﾝ酸鉛	13453-66-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead ruthenium oxide (PbRuO3)	ﾙﾃﾆｳﾑ酸鉛	37194-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead sebacate	ｾﾊﾞｼﾝ酸鉛	29473-77-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead selenate	ｾﾚﾝ酸鉛(Ⅱ)	7446-15-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead selenide (PbSe)	ｾﾚﾝ化鉛(Ⅱ)	12069-00-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●		●		●	●					●				●	
Lead selenite	亜ｾﾚﾝ化鉛	7488-51-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead silicate	ｹｲ酸鉛	11120-22-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●		●	●					●				●	
Lead silicate	ｹｲ酸鉛	13566-17-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead silicate	ｹｲ酸鉛	22569-74-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead silicate sulfate	硫化ｹｲ酸鉛	12687-78-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead silicate sulfate	硫化ｹｲ酸鉛	67711-86-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead stearate	ｽﾃｱﾘﾝ酸鉛(C18H36O2.xPb)	7428-48-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead stearate dibasic	二塩基性ｽﾃｱﾘﾝ酸鉛	52652-59-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●					●	●						●				●	
Lead subacetate	塩基性酢酸鉛	1335-32-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead succinate	ｺﾊｸ酸鉛	1191-18-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead sulfate	硫酸鉛(SO4 xPb)	15739-80-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●		●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead sulfate	硫酸鉛(SO4 xPb)	7446-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●		●		●	●					●				●	
Lead sulfate, tribasic	塩基性硫酸鉛	12397-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead sulfide (PbS)	硫化鉛	1314-87-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●		●		●	●					●				●	
Lead sulfomolybdochromate, silica encapsulated	ｹｲ酸ｽﾙﾎﾓﾘﾙｸﾛﾑ酸鉛	116565-73-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead tantalate	ﾀﾝﾀﾙ酸鉛(Ⅱ)	12065-68-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead telluride	ﾃﾙﾙ化鉛(Ⅱ)	1314-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead tellurite	亜ﾃﾙﾙ酸鉛	13845-35-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead tetrachloride		13463-30-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead tetracosanoate	ﾃﾄﾗｺｻﾝ酸鉛(混合)	93966-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead tetraoxide	酸化鉛	1314-41-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Lead thiocyanate	ﾁｵｼｱﾝ酸鉛(Ⅱ)	592-87-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead thiosulfate	ﾁｵ硫酸鉛	13478-50-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead tin oxide (PbSnO3)	酸化ｽｽﾞ鉛	12036-31-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead titanium oxide (PbTiO3)	ﾁﾀﾝ酸鉛	12060-00-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Lead titanium zirconium oxide (Pb(Ti,Zr)O3)	ｼﾞﾙｺﾝ酸ﾁﾀﾝ酸鉛	12626-81-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Lead trioxide	三酸化鉛(Ⅳ)鉛(Ⅱ)	1314-27-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead tungsten oxide	ﾀﾝｸﾞｽﾃﾝ酸鉛(Ⅱ)	7759-01-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead tungsten oxide	ﾀﾝｸﾞｽﾃﾝ酸鉛(Ⅱ)	12737-98-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead vanadate	ﾊﾞﾅｼﾞｳﾑ酸鉛	10099-79-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead zirconate	ｼﾞﾙｺﾝ酸鉛(Ⅱ)	12060-01-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead(2+) (R)-12-hydroxyoleate	ﾘｼﾉｰﾙ酸鉛(II)	13094-04-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead(2+) (Z)-hexadec-9-enoate	(Z)-ﾍｷｻﾃﾞｸ-9-ｴﾉｴｰﾄ鉛(Ⅱ)	93858-24-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead(2+) 2,4-dinitroresorcinolate	2,4-ｼﾞﾆﾄﾛﾚｿﾙｼﾝ酸鉛(Ⅱ)	13406-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead(2+) 4-(1,1-dimethylethyl)benzoate	4-(1, 1-ｼﾞﾒﾁﾙｴﾁﾙ) 安息香酸鉛(II)	85292-77-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead(2+) 4,4'-isopropylidenebisphenolate	4,4'-ｲｿﾌﾟﾛﾋﾟﾘﾃﾞﾝﾋﾞｽﾌｪﾉｰﾙ酸鉛	93858-23-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(2+) 4,6-dinitro-o-cresolate	4,6-ｼﾞﾆﾄﾛ-o-ｸﾚｿﾞｰﾙ酸鉛	65121-76-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(2+) acrylate	ｱｸﾘﾙ酸鉛	867-47-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(2+) decanoate	ﾃﾞｶﾝ酸鉛(Ⅱ)	15773-52-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(2+) heptadecanoate	ﾍﾌﾟﾀﾃﾞｶﾝ酸鉛(Ⅱ)	63399-94-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(2+) isohexadecanoate	ｲｿﾍｷｻﾃﾞｶﾝ酸鉛(Ⅱ)	95892-13-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead(2+) isooctadecanoate	ｲｿｽﾃｱﾘﾝ酸鉛(II)	70727-02-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(2+) neodecanoate	ﾈｵﾃﾞｶﾝ酸鉛(II)	71684-29-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(2+) neononanoate	ﾈｵﾉﾅﾝ酸鉛(II)	93894-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(2+) neoundecanoate	ﾈｵｳﾝﾃﾞｶﾝ酸鉛(II)	93894-49-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(2+) octanoate	ｵｸﾀﾝ酸鉛(II)	7319-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(4+) stearate	ｽﾃｱﾘﾝ酸鉛(IV)	7717-46-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead(II) fumarate	ﾌﾏﾙ酸鉛(Ⅱ)	71686-03-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(II) isodecanoate	ｲｿﾃﾞｶﾝ酸鉛(Ⅱ)	84852-34-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(II) isooctanoate	ｲｿｵｸﾀﾝ酸鉛(Ⅱ)	93981-67-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(II) maleate	ﾏﾚｲﾝ酸鉛(Ⅱ)	17406-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead(IV) fluoride	ﾌｯ化鉛(IV)	7783-59-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, (2-methyl-4,6-dinitrophenolato-O1)(nitrato-O)-.mu.-oxodi-, monohydrate	μ-ﾒﾁﾙｼﾞ-(2-ﾒﾁﾙ-4, 6-ｼﾞﾆﾄﾛﾌｪﾗﾄ-O1)(ﾆﾄﾗﾄ-O)鉛一水和物	79357-62-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, [.mu.-[1,2-benzenedicarboxylato(2-)-O1:O2]]di-.mu.-oxotri-, cyclo-	ｼｸﾛ[1, 2-ﾍﾞﾝｾﾞﾝｼﾞｶﾙﾎﾞｷｼﾗﾄ(2-)]ｼﾞｵｷｿ三鉛	17976-43-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, [1,2-benzenedicarboxylato(2-)]dioxotri-	ﾌﾀﾙ酸ﾆｵｷｿ三鉛	69011-06-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Lead, [1,2-benzenedicarboxylato(2-)]oxodi-	二塩基性ﾌﾀﾙ酸鉛	57142-78-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-	ﾌﾀﾛｼｱﾆﾝ鉛	15187-16-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, 2-ethylhexanoate isodecanoate complexes, basic	塩基性2-ｴﾁﾙﾍｷｻﾝ酸、ｲｿﾃﾞｶﾝ酸混合物中の鉛	90431-30-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, 2-ethylhexanoate isononanoate complexes, basic	塩基性2-ｴﾁﾙﾍｷｻﾝ酸、ｲｿﾉﾝ酸混合物中の鉛	90431-31-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, 2-ethylhexanoate isooctanoate complexes, basic	塩基性2-ｴﾁﾙﾍｷｻﾝ酸、ｲｿｵｸﾀﾝ酸混合物中の鉛	90431-32-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, 2-ethylhexanoate naphthenate complexes	2-ｴﾁﾙﾍｷｻﾝ酸、ﾅﾌﾃﾝ酸混合物中の鉛	90431-33-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, 2-ethylhexanoate naphthenate complexes, basic	塩基性2-ｴﾁﾙﾍｷｻﾝ酸、ﾅﾌﾃﾝ酸混合物中の鉛	90431-34-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, 2-ethylhexanoate neodecanoate complexes, basic	塩基性2-ｴﾁﾙﾍｷｻﾝ酸、ﾈｵﾃﾞｶﾝ酸混合物中の鉛	90431-35-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, 2-ethylhexanoate tall-oil fatty acids complexes	鉛含有の2-ｴﾁﾙﾍｷｻﾝ酸と脂肪酸ﾄｰﾙ油の混合物	68187-37-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, alkyls, manufacturing wastes	廃鉱石中のｱﾙｷﾙ鉛	70513-89-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, antimonial	ｱﾝﾁﾓﾝ化鉛	69029-50-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, antimonial, dross	ﾄﾞﾛｽ中のｱﾝﾁﾓﾝ化鉛	69029-51-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, bis(2-hydroxybenzoato-O1,O2)-, (T-4)-	ﾋﾞｽ(2-ﾋﾄﾞﾛｷｼﾍﾞﾝｿﾞｱﾄ)-鉛	15748-73-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, bis(dipentylcarbamodithioato-S,S')-, (T-4)-	ﾋﾞｽ(ｼﾞﾍﾟﾝﾁﾙｶﾙﾊﾞﾓｼﾞﾁｵｴｰﾄ-S,S') 鉛	36501-84-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, bis(diphenylcarbamodithioato-S,S')-, (T-4)-	ﾋﾞｽ(ｼﾞﾌｪﾆﾙﾁｵｶﾙﾊﾞﾐﾝ酸) 鉛	75790-73-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, bis(octadecanoato)dioxotri-	ｼﾞｵｷｿﾋﾞｽ(ｽﾃｱﾘﾝ酸)三鉛	12578-12-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, bullion	金鉱石中の鉛	97808-88-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●			●	
Lead, C3-13-fatty acid naphthenate complexes	脂肪酸(炭素数3-13)とﾅﾌﾃﾝ酸混合物との鉛化合物	79803-79-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●			●	
Lead, C4-10-fatty acid naphthenate complexes	脂肪酸(炭素数4-10)、ﾅﾌﾃﾝ酸混合物中の鉛	84067-00-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●			●	
Lead, C4-10-fatty acid octanoate complexes	脂肪酸(炭素数4-10)、ｵｸﾀﾝ酸混合物中の鉛	92200-92-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●			●	
Lead, C5-23-branched carboxylate C4-10-fatty acid complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数5-23)、脂肪酸(炭素数4-10) 混合物中の鉛	84066-98-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●			●	
Lead, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数5-23)、脂肪酸(炭素数4-10)、ﾅﾌﾃﾝ酸の混合物の鉛塩	83711-45-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●			●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, C5-23-branched carboxylate naphthenate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数5-23)、ﾅﾌﾃﾝ酸の混合物の鉛塩	83711-46-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, C5-23-branched carboxylate naphthenate octanoate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数5-23)、ﾅﾌﾃﾝ酸、ｵｸﾀﾝ酸の混合物の鉛塩	83711-47-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, C5-23-branched carboxylate octanoate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数5-23)、ｵｸﾀﾝ酸混合物中の鉛	84066-99-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, C6-19-branched carboxylate naphthenate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数6-19)とﾅﾌﾀﾚﾝ酸の混合物中の鉛	70084-67-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes	分岐型脂肪酸(炭素数8-10)､新脂肪酸(炭素数9-11)､ﾅﾌﾃﾝ酸混合物中の鉛	90431-28-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes, overbased	分岐型脂肪酸(炭素数8-10)､新脂肪酸(炭素数9-11)､ﾅﾌﾃﾝ酸混合物中の鉛(過塩基性)	90431-27-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, C9- 28-neocarboxylate 2-ethylhexanoate complexes, basic	塩基性鉛ﾈｵｶﾙﾎﾞｷｼﾙ酸(炭素数9-28)と2-ｴﾁﾙﾍｷｻﾝ酸混合物	125494-56-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, decanoate octanoate complexes	ﾃﾞｶﾝ酸ﾄｵｸﾀﾝ酸混合中の鉛	70321-55-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, di-.mu.-hydroxy(2-methyl-4,6-dinitrophenolato-O1)(nitrato-O)di-	ｼﾞｰμ-ﾋﾄﾞﾛｷｼ (2-ﾒﾁﾙ-4,6-ｼﾞﾆﾄﾛﾌｪﾉｰﾙ酸-O1)(硝酸-O)二鉛	96471-22-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, dihydroxy[2,4,6-trinitro-1,3-benzenediolato(2-)]di-	ｼﾞﾋﾄﾞﾛｷｼ[2,4, 6-ﾄﾘﾆﾄﾛ-1, 3-ﾍﾞﾝｾﾞﾝｼﾞｵﾗﾄ(2-)]二鉛	12403-82-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, dross	ﾄﾞﾛｽ中の鉛	69029-52-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, dross, antimony-rich	ｱﾝﾁﾓﾝ豊富の鉛入りﾄﾞﾛｽ	69029-45-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, dross, bismuth-rich	ﾋﾞｽﾏｽ豊富の鉛入りﾄﾞﾛｽ	69029-46-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, dross, copper-rich	銅豊富ﾄﾞﾛｽ中の鉛	69227-11-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, dross, vanadium-zinc-containing	ﾊﾞﾅｼﾞｳﾑ-亜鉛合金に含有するﾄﾞﾛｽ状鉛	100656-49-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isodecanoate isononanoate complexes, basic	塩基性ｲｿﾃﾞｶﾝ酸、ｲｿﾉﾅﾝ酸混合物中の鉛	90431-36-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isodecanoate isooctanoate complexes, basic	塩基性ｲｿﾃﾞｶﾝ酸、ｲｿｵｸﾀﾝ酸混合物中の鉛	90431-37-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isodecanoate naphthenate complexes	ｲｿﾃﾞｶﾝ酸、ﾅﾌﾃﾝ酸混合物中の鉛	90431-38-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, isodecanoate naphthenate complexes, basic	ｲｿﾃﾞｶﾝ酸鉛とﾅﾌﾃﾝ酸鉛の混合物	101012-92-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isodecanoate neodecanoate complexes, basic	塩基性ｲｿﾃﾞｶﾝ酸、ﾈｵﾃﾞｶﾝ酸混合物中の鉛	90431-39-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isononanoate isooctanoate complexes, basic	塩基性ｲｿﾉﾅﾝ酸とｲｿｵｸﾀﾝ酸混合物の鉛	84929-94-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isononanoate naphthenate complexes	ｲｿﾉﾅﾝ酸とﾅﾌﾃﾝ酸混合物の鉛	84929-97-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isononanoate naphthenate complexes, basic	塩基性ｲｿﾃﾞｶﾝ酸、ﾅﾌﾃﾝ酸混合物中の鉛	90431-40-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isononanoate neodecanoate complexes, basic	塩基性ｲｿﾃﾞｶﾝ酸、ﾈｵﾃﾞｶﾝ酸混合物中の鉛	90431-41-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, isooctanoate naphthenate complexes	ｲｿｵｸﾀﾝ酸とﾅﾌﾃﾝ酸の混合物にある鉛	68515-80-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isooctanoate naphthenate complexes, basic	塩基性ｲｿｵｸﾀﾝ酸、ﾅﾌﾃﾝ酸混合物中の鉛	90431-42-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isooctanoate neodecanoate complexes	ｲｿﾃﾞｶﾝ酸鉛とﾅﾌﾃﾝ酸鉛の混合物	101013-06-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, isooctanoate neodecanoate complexes, basic	塩基性ｲｿｵｸﾀﾝ酸とﾈｵﾃﾞｶﾝ酸混合物	84929-95-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, naphthenate neodecanoate complexes	ﾅﾌﾃﾝ酸、ﾈｵﾃﾞｶﾝ酸混合物中の鉛	90431-43-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, naphthenate neodecanoate complexes, basic	塩基性ﾅﾌﾃﾝ酸とﾈｵﾃﾞｶﾝ酸混合物の鉛	84929-96-4	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, neononanoate neoundecanoate complexes, basic	塩基性ﾈｵﾉﾅﾝ酸、ﾈｵｳﾝﾃﾞｶﾝ酸混合物中の鉛	90431-44-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, zinc dross	亜鉛ﾄﾞﾛｽ中の鉛	94551-60-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Linseed oil, polymer with tung oil, lead salt	ｷﾘ油ﾎﾟﾘﾏｰのｱﾏﾆ油鉛塩	68990-75-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Linseed oil, reaction products with lead oxide (Pb3O4) and mastic	反応生成により酸化鉛(Pb3O4) を含むｱﾏﾆ油やしっくい	68152-99-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Methanesulfonic acid, lead(2+) salt	ﾒﾀﾝｽﾙﾎﾝ酸鉛(II)	17570-76-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●			●	●						●				●	
Molybdate orange (Lead chromate pigment)	ｸﾛﾑ酸ﾓﾘﾌﾞﾃﾞﾝ酸亜硫酸鉛赤(CIﾋﾟｸﾞﾒﾝﾄﾚｯﾄﾞ104)	12656-85-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●	●	●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Naphthalenesulfonic acid, diisononyl-, lead(2+) salt	ｼﾞｲｿﾉﾆﾙﾅﾌﾀﾚﾝｽﾙﾎﾝ酸鉛(Ⅱ) 塩	63568-30-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Naphthalenesulfonic acid, dinonyl-, lead(2+) salt	ｼﾞﾉﾆﾙﾅﾌﾀﾚﾝｽﾙﾎﾝ酸鉛塩	61867-68-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Naphthenic acids, lead (2+) salts	ﾅﾌﾃﾝ酸鉛(Ⅱ)塩	91078-81-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Naphthenic acids, lead manganese salts	ﾅﾌﾃﾝ酸鉛ﾏﾝｶﾞﾝ塩	61788-52-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Naphthenic acids, lead salts, basic	塩基性ﾅﾌﾃﾝ酸鉛塩	92045-67-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Neodecanoic acid, lead salt, basic	塩基性ﾈｵﾃﾞｶﾝ酸鉛塩	90459-25-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Neononanoic acid, lead salt, basic	塩基性ﾈｵﾉﾅﾝ酸鉛塩	90459-26-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Neoundecanoic acid, lead salt, basic	塩基性ﾈｵｳﾝﾃﾞｶﾝ酸鉛塩	90459-28-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Nitric acid, lead(2+) salt, reaction products with sodium tin oxide	酸化ﾁﾀﾝﾅﾄﾘｳﾑによる反応生成物である硝酸鉛(Ⅱ)塩	97953-08-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Nitrous acid, lead(2+) salt	亜硝酸鉛塩	13826-65-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Octadecanoic acid, lead salt, basic	塩基性ｵｸﾀﾃﾞｶﾝ酸鉛塩	90459-51-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Octadecanoic acid, lead(2+) salt, basic	塩基性ｵｸﾀﾃﾞｶﾝ酸鉛(Ⅱ)塩	90459-52-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Octadecanoic acid, lead(2+) salt, tribasic	三塩基性ｵｸﾀﾃﾞｶﾝ酸鉛(Ⅱ)	52080-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Octanoic acid, lead salt	ｵｸﾀﾝ酸鉛(混合)	15696-43-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Orthoboric acid, lead(2+) salt	ｵﾙﾄﾎｳ酸鉛(Ⅱ)塩	35498-15-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Perchloric acid, reaction products with lead oxide (pbo) and triethanolamine	酸化鉛(P bO)とﾄﾘｴﾀﾉｰﾙｱﾐﾝによる反応生成物の過塩素酸	99749-31-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Petrolatum, petroleum, oxidized, lead salt	ｶﾞｿﾘﾝ中の酸化鉛化合物	67674-14-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phenol, 2-methyldinitro-, lead salt	2-ﾒﾁﾙｼﾞﾆﾄﾛﾌｪﾉｰﾙ鉛塩	50319-14-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phenol, dodecyl-, lead(2+) salt	ﾄﾞﾃﾞｼﾙﾌｪﾉｰﾙ鉛(Ⅱ)塩	68586-21-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phenol, tetrapropylene-, lead(2+) salt	ﾃﾄﾗﾌﾟﾛﾋﾟﾚﾝﾌｪﾉｰﾙ鉛(Ⅱ)の塩	122332-23-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphonic acid, lead salt	亜ﾘﾝ酸鉛	16038-76-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphonic acid, lead salt, basic	塩基性ﾘﾝ酸鉛	53807-64-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphonic acid, lead(2+) salt	ﾘﾝ酸鉛(Ⅱ)塩	24824-71-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphonic acid, lead(2+) salt (1:1)	亜ﾘﾝ酸鉛	13453-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphonic acid, lead(2+) salt (2:1)	亜ﾘﾝ酸鉛(2:1)	15521-60-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphoric acid, lead(2+) salt (1:1)	ﾘﾝ酸水素鉛(2)	15845-52-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphoric acid, mixed butyl and hexyl diesters, lead(2+) salts	ﾌﾞﾁﾙとﾍｷｼﾙｼﾞｴｽﾃﾙ混合のﾘﾝ酸鉛塩	93925-27-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphorodithioate O,O-bis(1,3-dimethylbutyl), lead salt	ﾁｵﾘﾝ酸O,O'-ﾋﾞｽ(1,3-ｼﾞﾒﾁﾙﾌﾞﾁﾙ) 鉛塩	20383-42-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphorodithioic acid, mixed O,O-bis(bu and pentyl) esters, lead(2+) salt	ﾎｽﾎﾛｼﾞﾁｵ酸ﾄO,O(ｵﾙﾄ、ｵﾙﾄ)-ﾋﾞｽ(ﾌﾞﾁﾙﾄﾌｪﾆｰﾙ) ｴｽﾃﾙ、炭酸鉛を混合した。	91783-10-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, chlorotriethyl-	ﾄﾘｴﾁﾙ鉛塩	1067-14-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Plumbane, diethyldimethyl-	ｼﾞｴﾁﾙｼﾞﾒﾁﾙ鉛	1762-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, ethyl methyl derivitives	ｴﾁﾙﾒﾁﾙ鉛酸塩誘導体	68610-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, ethyltrimethyl-	ｴﾁﾙﾄﾘﾒﾁﾙ鉛	1762-26-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, tetrabutyl-	ﾃﾄﾗﾌﾞﾁﾙ鉛酸塩	1920-90-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, tetrakis(1-methylethyl)-	ﾃﾄﾗｷｽ(1-ﾒﾁﾙｴﾁﾙ) 鉛酸塩	14846-40-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, tetrakis(1-methylpropyl)-	ﾃﾄﾗｷｽ(1-ﾒﾄｷｼﾌﾟﾛﾋﾟﾙ)鉛酸塩	65151-08-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Plumbane, triethylmethyl-	ﾄﾘｴﾁﾙﾒﾁﾙ鉛	1762-28-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbate (PbO22-), disodium	亜ﾅﾏﾘ酸ﾅﾄﾘｳﾑ	12034-30-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbate (PbO44-), calcium (1:2), (T-4)-	鉛酸ｶﾙｼｳﾑ	12013-69-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Potassium pentadecaoxodiplumbatepentaniobate(1-)	十五ｵｷｿｼﾞ鉛酸塩五ﾆｵﾌﾞ酸(1-)ｶﾘｳﾑ	12372-45-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.	銅､鉄､鉛ﾏｯﾄ(ｶﾜ)の残渣の非水溶性亜硫酸化合物	102110-49-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Salicylate, lead (II)	ｻﾘﾁﾙ酸鉛(Ⅱ)	6107-93-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Silicic acid (H2SiO3), calcium salt (1:1), lead and manganese-doped	ｹｲ酸ｶﾙｼｳﾑ塩 鉛ﾄﾏﾝｶﾞﾝﾄﾞｰﾌﾟ塗料	100402-96-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Silicic acid (H2SiO3), lead(2+) salt (1:1)	ｹｲ酸鉛	10099-76-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Silicic acid (H4SiO4), lead salt	ｹｲ酸鉛	15906-71-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Silicic acid, calcium salt, lead and manganese-doped	ｹｲ酸ｶﾙｼｳﾑ塩 鉛ﾄﾏﾝｶﾞﾝﾄﾞｰﾌﾟ塗料	102110-36-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Silicic acid, lead nickel salt	ｹｲ酸鉛ﾆｯｹﾙ塩	68130-19-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Slimes and sludges, lead sinter dust scrubber	鉛焼結ﾀﾞｽﾄｽﾗﾊﾞｰ中の粘着液、ｽﾗｯｼﾞ	70514-37-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Speiss, lead-zinc	鉛-亜鉛ﾋｶﾜ	93821-72-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy-, lead salt	2',4',5',7'-ﾃﾄﾗﾌﾞﾛﾓﾌﾙｵﾚｾｲﾝ鉛	1326-05-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Stearic acid, lead (2+) salt	ｽﾃｱﾘﾝ酸鉛	1072-35-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●		●		●	●						●				●	
Sulfuric acid, barium lead salt	硫酸性ﾊﾞﾘｳﾑ鉛塩	42579-89-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Sulfuric acid, barium salt (1:1), lead-doped	鉛ﾄﾞｰﾌﾟ塗料中の硫酸ﾊﾞﾘｳﾑ塩(1:1)	99328-54-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Sulfuric acid, lead salt, tetrabasic	塩基性硫酸鉛	52732-72-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sulfuric acid, lead(2+) salt, basic	塩基性亜硫酸鉛	90583-07-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Sulfurous acid, lead salt, basic	塩基性亜硫酸鉛	52231-92-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Sulfurous acid, lead salt, dibasic	塩基性亜硫酸鉛	62229-08-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Sulfurous acid, lead(2+) salt, basic	塩基性亜硫酸鉛	90583-37-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Sulfurous acid, lead(2++) salt (1:1)	亜硫酸鉛(Ⅱ)	7446-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Telluric acid (H2TeO3), lead(2+) salt (1:1)	ﾃﾙﾙ酸(H2TeO3) 鉛(Ⅱ) 塩(1:1)	15851-47-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tetradecanoic acid, lead salt, basic	塩基性ﾃﾄﾗﾃﾞｶﾝ酸鉛塩	90583-65-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Tetraethyllead	ﾃﾄﾗｴﾁﾙ鉛	78-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●		●	●	●	●	●					●				●	
Tetramethyl lead	ﾃﾄﾗﾒﾁﾙ鉛	75-74-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Tetraphenyllead	ﾃﾄﾗﾌｪﾆﾙ鉛	595-89-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Tetrapropyl lead	ﾃﾄﾗﾌﾟﾛﾋﾟﾙ鉛	3440-75-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Thiosulphuric acid, lead salt	ﾁｵ硫酸鉛	26265-65-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead/Tin alloy	ｽｽﾞ-鉛合金	39412-44-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Trinitrophloroglucinol, lead salt	ﾄﾘﾆﾄﾛﾌﾛﾛｸﾞﾙｼﾉｰﾙ鉛	51325-28-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Naphthenic acid, cobalt lead manganese salt	ﾅﾌﾃﾝ酸ｺﾊﾞﾙﾄ鉛ﾏﾝｶﾞﾝ塩(混合)	61789-50-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, bis(carbonato(2-))dihydroxytri /Lead carbonate hydroxide	ﾋﾞｽ(炭酸)二水酸化三鉛(Ⅱ)	1319-46-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●	●	●	●		●	●						●				●	
Boric acid (HBO2), lead(2+) salt, monohydrate (8CI, 9CI)	ﾎｳ酸鉛	10214-39-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, C6-19-branched, lead salts, basic	塩基性C6-19分枝脂肪酸の鉛塩	68603-83-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pigment Lightfast Lead-Molybdate Orange OS (9CI)	ﾋﾟｸﾞﾒﾝﾄﾗｲﾄﾌｧｰｽﾄﾓﾘﾌﾞﾃﾞﾝ酸鉛ｵﾚﾝｼﾞOS(9CI)	78690-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Resin acids and Rosin acids, lead salts		9008-26-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Leach residues, precious metal recovery lead refining		69029-72-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Calcines, lead ore conc.		69029-74-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Residues, lead roaster		69029-78-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Residues, lead smelting		69029-79-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Residues, precious metal recovery lead refining		69029-80-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Slags, lead smelting		69029-84-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Slags, precious metal recovery lead refining		69029-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Slags, tellurium		69029-86-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Slimes and Sludges, lead refining		69029-93-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Matte, lead		84195-51-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Slimes and Sludges, lead, electrolytic		84195-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Speiss, lead		84195-61-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Frits, chemicals		65997-18-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Oils, menhaden, lead salts		68424-76-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Hexanoic acid, dimethyl-, lead(2+) salt, basic		68442-95-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Hexanoic acid, 2-ethyl-, lead(2+) salt, basic		68515-76-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hexanoic acid, 3,5,5-trimethyl-, lead(2+) salt, basic		68515-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Linseed oil, lead manganese salt		68553-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Oils, fish, lead salts		68553-63-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Spinels, boron calcium lead silicon white		68555-05-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Spinels, lead silicon tin zinc white		68555-07-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Zinc sulfide (ZnS), copper and lead-doped		68585-90-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Octanoic acid, branched, lead salts, basic		68604-56-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Fatty acids, tallow, hydrogenated, lead salts		68605-98-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Tungstate (WO42-), calcium (1:1), (T-4)-, lead-doped		68784-53-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Silicic acid (H6Si2O7), barium magnesium strontium salt, lead-doped		68784-74-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Acetic acid, reaction products with lead oxide (PbO), silica and sulfuric acid		68937-05-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Flue dust, lead-tin alloy-manufg.		69012-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Flue dust, zinc-refining		69012-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Leach residues, zinc ore-calcine, zinc cobalt		69012-72-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Dore		69029-47-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Slags, lead reverbatory smelting		69029-58-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Zinc, desilverizing skims		69029-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Bismuth, refinery lead chloride residues		69029-61-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Calcines, lead-zinc ore conc.		94551-62-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Fumes, lead		94551-66-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Leach residues, copper-lead		94551-72-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Matte, copper-lead		94551-74-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Residues, lead smelting wastewater treatment		94551-78-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Residues, lead-zinc smelting wastewater treatment		94551-79-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Wastes, lead battery reprocessing		94551-99-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Waste solids, lead silver anode		94552-05-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Slimes and Sludges, lead acetate manuf.		96690-46-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Ferrite substances, magnetoplumbite-type, barium-cobalt-titanium		97488-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Magnetoplumbite, barium titanium zinc brown		97675-41-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Matte, precious metal		98072-52-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Slimes and Sludges, precious metal refining		98072-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead uranate pigment		85536-79-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Leach residues, zinc ore, lead-contg.		91053-49-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Slags, lead-zinc smelting		93763-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Flue gases, lead-zinc blast furnace		93821-47-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Slimes and Sludges, lead-zinc blast furnace, offgas wet cleaning		93821-70-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,3-Benzenediol, 2-nitro-, lead salt, basic		68411-33-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead chloride silicate		39390-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, triphenyl(phenylthio)- (7CI)		15590-77-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, acetoxytripropyl-		13266-07-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
triethylplumbanecarbonitrile		13732-17-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Acetic acid, lead(2+) salt, dihydrate		22723-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
199Pb		27486-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Plumbane, tetrahydroxy-		29491-37-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Sulfuric acid, lead(2+) lead(4+) salt (3:1:1)		35830-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead chlorate		10294-47-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead hydroxide (Pb(OH))		108350-80-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Ferrate (2-), [N,N-bis[2-(bis(carboxymethyl)amino)ethyl]glycinato(5-)]-, disodium		12565-18-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Boric acid, lead salt		12676-62-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Chromic acid lead salt with lead molybdate		12709-98-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Ethanedioic acid, lead(2+) salt (1:1), trihydrate		128226-81-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead hydroxide oxide (Pb2(OH)2O)		1311-11-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Carbonic acid, lead salt		13427-42-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Chloric acid, lead(2+) salt, monohydrate		13510-96-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Chromic acid (H2CrO4), lead(2+) potassium salt (2:1:2)		13845-31-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
205Pb		14119-28-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
209Pb		14119-30-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
210Pb		14255-04-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
203Pb		14687-25-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead and Lead compounds (as Pb)		14931-82-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
214Pb		15067-28-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
212Pb		15092-94-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
202Pb		15752-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Acetic acid, lead(2+) salt, monohydrate		15773-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
211Pb		15816-77-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Ethanedioic acid, lead salt		15843-48-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphoric acid, lead salt		16040-38-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphoric acid, lead(2+) salt (2:1)		16180-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
200Pb		16645-99-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
198Pb		16646-00-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
201Pb		17239-87-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Acetic acid, fluoro-, triethyllead salt		562-95-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead strontium titanium zirconium oxide		153679-91-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, dibutyldiethyl-		65121-94-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Resin acids and Rosin acids, calcium salts, polymers with lead resinates and sapond. linseed oil		68139-27-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Carboxylic acids, tall-oil, lead salts, basic		68603-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Acetic acid, reaction products with capric acid, carpylic acid, coconut oil, and hydrogenated tallow fatty acids, calcium, lead salts		68784-59-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Gum rosin, litharge polymer		68952-91-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Basic lead beta-resorcylate		68954-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Gilsonite, polymer with cyclopentadiene, dicyclopentadiene and linseed oil, lead salts		68956-49-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Barium bismuth lead niobium titanium oxide		68987-33-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Acetic acid, capric acid, caprylic acid, coconut oil, hydrogenated tallow fatty acids, calcium-lead complex salt		69103-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Dehydrated castor oil fatty acids, glycerine, C36 fatty acid dimers, litharge polymer		70879-91-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Silicic acid (H6Si2O7), barium zinc salt (1:1:2), lead-doped		71799-66-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Octadecanoic acid, barium lead salt		73105-55-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Bismuth alloy, Bi 50,Pb 25,Cd 12,Sn 12 (L-pbbi50Sn12.5Cd12.5)		76093-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
2-[carboxylatomethyl(carboxymethyl)amino]acetate;lead(2+)		79849-02-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Glycine, N,N-bis(carboxymethyl)-, lead(2+) potassium salt (1:1:1)		79915-08-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
2-[bis(carboxylatomethyl)amino]acetate;lead(2+)		79915-09-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Boric acid (H3BO3), lead(2+) salt (2:3)		91388-81-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Chromic acid (H2CrO4), lead(2+) sodium salt (2:1:2)		93215-61-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Methanesulfonic acid, lead salt		95860-12-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lanthanum lead titanium zirconium oxide		1227908-26-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Benzoic acid, 4-methyl-, lead(4+) salt		15516-84-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phenol, lead(2+) salt (2:1)		20534-94-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phenol, lead salt		25987-03-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzoic acid, methyl-, lead(2+) salt		27496-91-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Tetracosanoic acid, lead(2+) salt		28267-01-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, bis[bis(1-methylethyl)carbamodithioato-S,S']-, (T-4)-		30051-53-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Benzoic acid, 3-methyl-, lead(4+) salt		34295-32-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Nonanoic acid, lead salt		41234-07-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Benzoic acid, 2-methyl-, lead(2+) salt		52337-73-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Plumbate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']-, sodium, (T-4)-		53113-58-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Benzoic acid, 4-methyl-, lead(2+) salt		58274-53-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
UNDECANSAEURE-PB(II)-SALZ		63400-07-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Nonanoic acid, lead(2+) salt		63400-08-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, bis[bis(2-methylpropyl)carbamodithioato-S,S']-, (T-4)-		69090-73-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
9-Octadecenoic acid, lead(2+) salt, (E)-		69637-83-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, bis(dipropylcarbamodithioato-S,S')-, (T-4)-		70995-63-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Ethanesulfonic acid, 2-hydroxy-, lead(2+) salt (2:1)		72437-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
22-Tricosenoic acid, lead(2+) salt		76835-98-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Benzoic acid, 2-methyl-, lead salt		76925-97-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Pentanoic acid, 2-propyl-, lead(2+) salt		87835-32-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Benzenesulfonic acid, hydroxy-, lead salt		82696-30-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzoic acid, 2-butyl, lead(2+) salt		91187-55-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1-Propanesulfonic acid, 2-hydroxy-, lead(2+) salt (2:1)		103427-19-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1-Propanesulfonic acid, 2-hydroxy-, lead salt		114601-64-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
2-Propanesulfonic acid, 1-hydroxy-, lead salt		133988-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
p-tert-Butylbenzoic acid lead salt		3249-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead sulfite		25666-92-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2',4',5',7'-Tetrabromofluorescein lead salt		51868-24-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Hexafluorosilicate(2-), lead(2+) (1:1), tetrahydrate		83689-82-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead dichlorite		13453-57-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead chloride (PbCl)		13931-84-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead sulfide		39377-56-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Dilead dioxide		35229-41-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead fluoride (VAN)		53096-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbylium, ethyldimethyl-		103730-90-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbylium, diethylmethyl-		105956-70-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, tributylchloro-		13302-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead bromide chloride		13778-36-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, chlorotripropyl-		1520-71-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Plumbane, dichlorodimethyl-		1520-77-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Lead, diacetoxydiethyl- (7CI)		15773-47-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Plumbane, (4-bromobutyl)triphenyl-		16035-34-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Plumbane, (4-azidobutyl)triphenyl-		16035-39-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
1H-Imidazole, 1-(tributylplumbyl)-		16128-42-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Plumbane, bis(methacryloyloxy)dimethyl-		22515-48-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Plumbane, bis(acetyloxy)dibutyl-		2587-84-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Plumbane, tris(acetyloxy)phenyl-		3076-54-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
[Nitrooxy(diphenyl)plumbyl] nitrate		41825-28-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
Plumbane, triethyl[[(4-methylphenyl)sulfonyl]oxy]-		43135-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
9H-Carbazole, 9-(triphenylplumbyl)-		56240-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	
1H-Indole, 1-(triphenylplumbyl)-		56240-92-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●					●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1H-Pyrrole, 1-(triphenylplumbyl)-		56240-93-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, butyltrimethyl-		54964-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead diphenyl acid propionate		56764-40-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Butyl-ethyl-dimethylplumbane		65122-14-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, tripropyl-		6618-03-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead, triethyl-, oleate		63916-98-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Butyl(triethyl)plumbane		64346-32-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Butyl-diethyl-methylplumbane		65122-13-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1H-Isoindole-1,3(2H)-dione, 4,5,6, 7-tetrachloro-2-(triethylplumbyl)-		73928-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Trimethyl lead		7442-13-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
1H-1,2,3-Triazole-5-methanol, .alpha.,.alpha.-dimethyl-1-[4-(triphenylplumbyl)butyl]-		73826-06-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane, [(4-aminobenzoyl)oxy]triethyl-		73928-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Chromic acid (H2CrO4), lead(2) salt		15804-54-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbylium, trimethyl-		14570-16-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Diethyllead		24952-65-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Matte, copper-lead, tellurium-contg.		100656-53-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Phosphoric acid, calcium salt (1:1), solid soln. with calcium chloride, calcium fluoride, calcium oxide, phosphorus oxide (P2O5) and strontium oxide, lead and manganese-doped		102047-25-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Barium oxide (BaO), solid soln. with calcium oxide, strontium oxide and tungsten oxide (WO3), lead-doped		102110-24-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Boric acid (H3BO3), solid soln. with barium oxide, calcium oxide and strontium oxide, lead and manganese-doped		102110-26-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Lead ores, concs., leached		102110-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Residues, precious metal refining cementation		102110-50-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Slimes and Sludges, battery scrap, antimony- and lead-rich		102110-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Slimes and Sludges, copper conc. roasting off gas scrubbing, lead-mercury-selenium-contg.		102110-61-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
barium calcium cesium lead samarium strontium bromide chloride fluoride iodide europium doped		199876-46-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Acetic acid, oleic acid, candelilla wax, tallow, calcium-lead complex salt		69103-03-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Plumbane dichlorodiethyl-		13231-90-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Triethyllead acetate		2587-81-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
lead(II) perchlorate trihydrate		13453-62-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	●			●		●	●						●				●	
Mercury and its compounds, all members	水銀およびその化合物、全て		Prohibited			●																
(2',7'-Dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-4'-yl)hydroxymercury	(2',7-ｼﾞﾌﾞﾛﾓ-3',6'-ｼﾞﾋﾄﾞﾛｷｼ-3-ｵｷｿｽﾋﾟﾛ[ｲｿﾍﾞﾝｿﾞﾌﾗﾝ-1(3H),9'[9H]ｷｻﾝﾃﾝ]-4'-ｲﾙ)ﾋﾄﾞﾛｷｼｰ水銀	55728-51-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Cadmium mercury telluride ((Cd,Hg)Te)	ﾃﾙﾙ化ｶﾄﾞﾐｳﾑ水銀	29870-72-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
(2-Carboxy-m-tolyl)hydroxymercury, monosodium salt	2-(ﾋﾄﾞﾛｷｼﾒﾙｸﾘｵ(Ⅱ))-6-ﾒﾁﾙ安息香酸ﾅﾄﾘｳﾑ	52795-88-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
(2-Carboxyphenyl)hydroxymercury	2-ｶﾙﾎﾞｷｼﾌｪﾆﾙ(ﾋﾄﾞﾛｷｼ)水銀(Ⅱ)	14066-61-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(Acetato-O)ethylmercury	酢酸ｴﾁﾙ水銀(Ⅱ)	109-62-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
(Acetato-O)methylmercury	酢酸ﾒﾁﾙ水銀(Ⅱ)	108-07-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
(Bromodichloromethyl)phenylmercury	(ﾌﾞﾛﾓｼﾞｸﾛﾛﾒﾁﾙ)ﾌｪﾆﾙ水銀(Ⅱ)	3294-58-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
(Dihydroxyphenyl)phenylmercury	(ｼﾞﾋﾄﾞﾛｷｼﾌｪﾆﾙ)ﾌｪﾆﾙ水銀	27360-58-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
(Lactato-O1,O2)mercury	(乳酸-O1,O2)水銀	18918-06-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
(Maleoyldioxy)bis[phenylmercury]	(ﾏﾚｵｲﾙﾋﾞｽｵｷｼ)ﾋﾞｽ[ﾌｪﾆﾙ水銀(Ⅱ)]	2701-61-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
(Metaborato-O)phenylmercury	ﾒﾀﾎｳ酸ﾌｪﾆﾙ水銀(Ⅱ)	31224-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
(Phenylmercurio)urea	(ﾌｪﾆﾙﾒﾙｸﾘｵ(II))尿素	2279-64-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
[(2-Hydroxyethyl)amino]phenylmercury acetate	2-ﾋﾄﾞﾛｷｼｴﾁﾙｱﾐﾉﾌｪﾆﾙ水銀酢酸	61792-06-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
[.mu.-[(Oxydiethylene but-2-enedioato)(2-)]]diphenyldimercury	[μ-[(ｵｷｼｼﾞｴﾁﾚﾝﾌﾞﾃﾙ-2-ｴﾝｼﾞｵｱﾄ)(2-)]] ｼﾞﾌｪﾆﾙ二水銀	94070-92-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
[.mu.-[[4,4'-(Oxydiethylene) bis(dodecenylsuccinato)](2-)]]diphenyldimercury	[μ-[[4,4'-(ｵｷｼｼﾞｴﾁﾚﾝ) ﾋﾞｽ(ﾄﾞﾃﾞｾﾆﾙｽｸｼﾝ酸)](2-)]] ｼﾞﾌｪﾆﾙ二水銀	93882-20-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
[.mu.-[Metasilicato(2-)-O:O]]bis(2-methoxyethyl)dimercury	[μ-[ﾒﾀｹｲ酸(2-)-O,O']] ﾋﾞｽ(2-ﾒﾄｷｼｴﾁﾙ)二水銀	19367-79-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
[.mu.-[Orthoborato(2-)-O:O']]diphenyldimercury	μ -(ｵﾙﾄﾎｳ酸(2-)-O,O') ｼﾞﾌｪﾆﾙ水銀	6273-99-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
[2,2',2''-Nitrilotri(ethanol)-N,O,O',O'']phenylmercury lactate	[2,2',2''-ﾆﾄﾘﾛﾄﾘ(ｴﾀﾉｰﾙ)-N,O,O',O '']ﾌｪﾆﾙ水銀乳酸	23319-66-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
[2-Ethylhexyl hydrogen maleato-O']phenylmercury	2-ｴﾁﾙﾍｷｼﾙ水素ﾏﾚｲﾝ酸-O'-ﾌｪﾆﾙ水銀	27605-30-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
[Benzoato(2-)-C2,O1]mercury	[安息香酸(2-)-C2,O1]水銀	5722-59-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
[Naphthoato(1-)-O]phenylmercury	[ﾅﾌﾃﾝ酸(1-)-O]ﾌｪﾆﾙ水銀	31632-68-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
2-(Ethylmercuriothio)benzoic acid	ｴﾁﾙ水銀ﾁｵﾍﾞﾝｾﾞﾝ酸	148-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
2-Ethoxyethylmercury acetate	(2-ｴﾄｷｼｴﾁﾙ)水銀(II)ｱｾﾀｰﾄ	124-08-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
2-Ethoxyethylmercury chloride	2-ｴﾄｷｼｴﾁﾙ水銀(II)ｸﾛﾘﾄﾞ	124-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
2-Hydroxy-5-(1,1,3,3-tetramethylbutyl)phenylmercury acetate	2-ﾋﾄﾞﾛｷｼ-5-(1,1,3, 3-ﾃﾄﾗﾒﾁﾙﾌﾞﾁﾙ)ﾌｪﾆﾙ水銀酢酸	584-18-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
2-Methoxyethylmercury chloride	塩化ﾒﾄｷｼｴﾁﾙ水銀	123-88-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
6-Methyl-3-nitrobenzoxamercurate	ﾆﾄﾛﾒﾙｿｰﾙ	133-58-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Barium tetraiodomercurate	四ヨウ化水銀酸ﾊﾞﾘｳﾑ	10048-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bis(5-oxo-DL-prolinato-N1,O2)mercury	ﾋﾞｽ(5-ｵｷｿ-DL-ﾌﾟﾛﾘﾝ酸-N1,O2) 水銀	94276-38-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bis(5-oxo-L-prolinato-N1,O2)mercury	ﾋﾞｽ(5-ｵｷｿ-L-ﾌﾟﾛﾘﾝ酸-N1,O2) 水銀	94481-62-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bis(acetato-O)[.mu.-[1,3-dioxane-2,5-diylbis(methylene)-c:c',O,O']]dimercury	ﾋﾞｽ(酢酸-O)[.μ-[1, 3-ｼﾞｵｷｻﾝ-2, 5-ｼﾞｲﾙﾋﾞｽ(ﾒﾁﾚﾝ)-c:c',O,O ']]二水銀	84029-43-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bis(lactato-O1,O2)mercury	乳酸-O1,O2) 水銀	18917-83-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bis(trichloromethyl)mercury	ﾋﾞｽﾄﾘｸﾛﾛﾒﾁﾙ水銀	6795-81-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bis[(+)-lactato]mercury	ﾋﾞｽ[(+)-乳酸] 水銀	33724-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bis[(trimethylsilyl)methyl]mercury	ﾋﾞｽ(ﾄﾘﾒﾁﾙｼﾘﾙﾒﾁﾙ)水銀	13294-23-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bromo(2-hydroxypropyl)mercury	ﾌﾞﾛﾓ(2-ﾋﾄﾞﾛｷｼﾌﾟﾛﾋﾟﾙ)水銀(Ⅱ)	18832-83-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bromoethylmercury	臭化ｴﾁﾙ第二水銀	107-26-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bromomethylmercury	臭化ﾒﾁﾙ水銀(Ⅱ)	506-83-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Bromophenylmercury	ﾌﾞﾛﾓ(ﾌｪﾆﾙ)水銀(Ⅱ)	1192-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Chlormerodrin	ｸﾛﾙﾒﾛﾄﾞﾘﾝ	62-37-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Chloro(hydroxyphenyl)mercury	ｸﾛﾛﾋﾄﾞﾛｷｼﾌｪﾆﾙ水銀	1320-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Chloro(o-hydroxyphenyl)mercury	ｸﾛﾛ(o-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ)水銀(Ⅱ)	90-03-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Chloro[p-[(2-hydroxy-1-naphthyl)azo]phenyl]mercury	ｸﾛﾛ[p-[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾙ)ｱｿﾞ]ﾌｪﾆﾙ]水銀(II)	3076-91-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Chloro-2-thienylmercury	ｸﾛﾛ-2-ﾁｴﾆﾙ水銀(Ⅱ)	5857-39-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Chloro-m-tolylmercury	(3-ﾒﾁﾙﾌｪﾆﾙ)ｸﾛﾛ水銀(II)	5955-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Chloro-o-tolylmercury	(2-ﾒﾁﾙﾌｪﾆﾙ)水銀(II)ｸﾛﾘﾄﾞ	2777-37-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Cobaltate(2-), tetrakis(thiocyanato-N)-, mercury(2+) (1:1), (T-4)-	ﾃﾄﾗｷｽ(ﾁｵｼｱﾅﾄ)水銀(Ⅱ)ｺﾊﾞﾙﾄ(Ⅱ)	27685-51-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Cyclohexanebutanoic acid, mercury(2+) salt	水銀(Ⅱ)ﾋﾞｽ(ｼｸﾛﾍｷｻﾝﾌﾞﾁﾗｰﾄ)	62638-02-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Diammonium tetrachloromercurate	ﾃﾄﾗｸﾛﾛ水銀二ｱﾝﾓﾆｳﾑ	33445-15-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Diethylmercury	ｼﾞｴﾁﾙ水銀	627-44-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Dihydrogen [orthoborato(3-)-O]phenylmercurate(2-)	ﾎｳ酸ﾌｪﾆﾙ水銀(Ⅱ)	102-98-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Diiodo(5-iodopyridin-2-amine-N1)mercury	二ﾖｳ化(5-ﾖｳ化ﾋﾟﾘｼﾞﾝ-2-ｱﾐﾝ-N1)水銀	93820-20-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dimercury amidatenitrate	硝酸二水銀ｱﾐﾄﾞ	1310-88-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Dimercury difluoride	二ﾌｯ化水銀(Ⅰ)(HG2F2)	13967-25-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Dimercury diiodide	二ﾖｳ化二水銀(Ⅰ)	15385-57-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Dimercury(I) oxalate	ｼｭｳ酸二水銀(Ⅰ)	2949-11-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Dimethyl[.mu.-[sulphato(2-)-O:O']]dimercury	硫酸ﾋﾞｽ(ﾒﾁﾙ水銀(Ⅱ))	3810-81-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Dimethylmercury	ｼﾞﾒﾁﾙ水銀	593-74-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Di-o-tolylmercury	ｼﾞ(2-ﾒﾁﾙﾌｪﾆﾙ)水銀(Ⅱ)	616-99-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Diphenyl[.mu.-[(tetrapropenyl)succinato(2-)-O:O']]dimercury	[μ-[(ﾃﾄﾗﾌﾟﾛﾍﾟﾆﾙ) ｺﾊｸ酸(2-)-O:O']] ｼﾞﾌｪﾆﾙ二水銀	27236-65-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Diphenylmercury	ｼﾞﾌｪﾆﾙ水銀(Ⅱ)	587-85-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Disodium tetra(cyano-C)mercurate(2-)	ﾃﾄﾗｼｱﾉ水銀(2-)二ﾅﾄﾘｳﾑ	15682-88-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Disuccinimidomercury	ｽｸｼﾝｲﾐﾄﾞ水銀	584-43-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Ethyliodomercury	ﾖｳ化ｴﾁﾙ第二水銀	2440-42-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethylmercuric chloride	塩化ｴﾁﾙ水銀(Ⅱ)	107-27-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Ethylmercuric phosphate	ﾎｽﾎﾙﾎﾘｼ(ｴﾁﾙ)水銀(II)	2235-25-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Fluorescein mercuric acetate	ﾌﾙｵﾚｾｲﾝ酢酸水銀(Ⅱ)	3570-80-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Hexanoic acid, 2-ethyl-, mercury(2+) salt	2-ｴﾁﾙﾍｷｻﾝ酸水銀(Ⅱ)	13170-76-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Hydrargaphen	ﾋﾄﾞﾗﾙｶﾞﾌｪﾝ	14235-86-0

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercuderamide	ﾒﾙｸﾃﾞﾗﾐﾄﾞ	525-30-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercurate(1-), (4-carboxylatophenyl)chloro-, hydrogen	p-ｸﾛﾛ安息香酸第二水銀	59-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercurate(1-), (4-carboxylatophenyl)hydroxy-, sodium	4-(ﾋﾄﾞﾛｷｼ水銀)安息香酸ﾅﾄﾘｳﾑ塩	138-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercurate(1-), triiodo-, hydrogen, compound with 3-methyl-2(3H)-benzothiazolimine (1:1)	三ヨｳ化水銀酸(1-)水素ﾄ3-ﾒﾁﾙ-2(3H)-ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙｲﾐﾝの混合物(1:1)	72379-35-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercurate(2-), tetrachloro-, dipotassium, (T-4)-	2ｶﾘｳﾑ･ﾃﾄﾗｸﾛﾛﾒﾙｸﾗｰﾄ(Ⅱ)	20582-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercurate(2-), tetraiodo-, (T-4)-, dihydrogen, compound with 5-iodo-2-pyridinamine (1:2)	四ヨｳ化水銀(2-) 二水素、5-ヨｳ素-2-ﾋﾟﾗｼﾞﾅﾐﾝ混合物(1:2)	63325-16-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercurate(2-), tetraiodo-, dicopper(1+), (T-4)-	ﾖｳ化銅水銀(Ⅱ)	13876-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercuric acetate	酢酸水銀(Ⅱ)	1600-27-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercuric arsenate	ﾋ酸第二水銀(HgAsHO4)	7784-37-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●									●	
Mercuric benzoate	安息香酸水銀	583-15-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercuric bromide	臭化水銀(Ⅱ)	7789-47-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●									●	
Mercuric chloride	塩化第二水銀	7487-94-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●									●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercuric cyanide	ｼｱﾝ化水銀(Ⅱ)	592-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercuric iodide	ﾖｳ化水銀(Ⅱ)	7774-29-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercuric nitrate	硝酸水銀(Ⅱ)	10045-94-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●										●	
Mercuric oxide	酸化水銀(Ⅱ)	21908-53-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●			●							●	
Mercuric oxycyanide	二(ｼｱﾝ化)酸化二水銀(Ⅱ)	1335-31-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercuric potassium cyanide	ﾃﾄﾗｼｱﾉ水銀(Ⅱ)酸ｶﾘｳﾑ	591-89-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercuric subsulfate	亜硫酸水銀	1312-03-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercuric sulfate	硫酸水銀(Ⅱ)	7783-35-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●										●	
Mercuric thiocyanate	ﾁｵｼｱﾝ酸水銀(Ⅱ)	592-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercurobutol	ﾒﾙｸﾛﾌﾞﾄｰﾙ	498-73-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercurous acetate	酢酸第一水銀	631-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercurous azide	ｱｼﾞﾄﾞ水銀	38232-63-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercurous chloride	塩化第一水銀(HgCl)	7546-30-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercurous iodide	ﾖｳ化水銀(Ⅰ)	7783-30-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercurous nitrate	ﾋﾟｽ(硝酸)二水銀(Ⅰ)	10415-75-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercurous oxide	酸化第一水銀(黒色)	15829-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercurous sulfate	硫酸二水銀(Ⅰ)	7783-36-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury	水銀	7439-97-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●		●		●	●										●	
Mercury, bromo[1-(methoxyphenylmethyl)-2-oxo-2-[(1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)oxy]ethyl]-		5326-00-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury (I) chromate	ｸﾛﾑ酸水銀	13465-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury (I) nitrate	ﾋﾟｽ(硝酸)二水銀(Ⅰ)二水和物	14836-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury (II) chromate	ｸﾛﾑ酸水銀(Ⅱ)	13444-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury (II) nitrate, monohydrate	硝酸水銀(Ⅱ)一水和物	7783-34-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury acetate	酢酸鉛	592-63-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercury acetylide	ｱｾﾁﾘﾄﾞ水銀	68833-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury ammonium chloride	ｱﾐﾄﾞ塩化水銀(Ⅱ)	10124-48-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury bis(4-chlorobenzoate)	ﾋﾞｽ(4-ｸﾛﾛ安息香酸)水銀(Ⅱ)	15516-76-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury bis(trifluoroacetate)	ﾋﾞｽ(ﾄﾘﾌﾙｵﾛ酢酸)水銀(Ⅱ)	13257-51-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury bromide (Hg2Br2)	二臭化二水銀(Ⅰ)	15385-58-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury bromide (HgBr)	臭化第一水銀	10031-18-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury chloride	塩化第一水銀(Hg2Cl2)	10112-91-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury dichromate	二ｸﾛﾑ酸第二水銀	7789-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury diiodate	ﾖｳ素酸水銀	7783-32-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury dipotassium tetrathiocyanate	四ﾁｵｼｱﾝ酸二ｶﾘｳﾑ水銀	14099-12-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury disilver tetraiodide	ﾖｳ化銀水銀(Ⅱ)	7784-03-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury distearate, pure	ｽﾃｱﾘﾝ酸水銀	645-99-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercury fluoride	ﾌｯ化水銀(Ⅰ)	27575-47-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury fluoride (HgF2)	ﾌｯ化水銀(Ⅱ)	7783-39-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury gluconate	ｸﾞﾙｺｰﾙ酸水銀	63937-14-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury nitride	ﾁｯ化水銀	12136-15-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury oleate	ｵﾚｲﾝ酸第二水銀	1191-80-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury salicylate	ｻﾘﾁﾙ酸水銀	5970-32-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury selenide (HgSe)	ｾﾚﾝ化水銀(Ⅱ)	20601-83-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury silver iodide	ﾖｳ化銀水銀	12344-40-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury succinate	ｺﾊｸ酸水銀(Ⅱ)	589-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury sulfide (HgS)	硫化水銀(Ⅱ)	1344-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●										●	
Mercury telluride (HgTe)	ﾃﾙﾙ化水銀(Ⅱ)	12068-90-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury thallium dinitrate	硝酸、水銀(Ⅰ)、ﾀﾘｳﾑ(Ⅰ)	94022-47-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercury(1+) bromate	臭素酸第一水銀	13465-33-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury(1+) ethyl sulphate	硫酸ｴﾁﾙ=水銀(Ⅰ)	71720-55-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury(1+) trifluoroacetate	ﾄﾘﾌﾙｵﾛ酢酸水銀(Ⅰ)	2923-15-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury(1+), amminephenyl-, acetate	ｱﾐﾉﾌｪﾆﾙ水銀(Ⅱ)･酢酸	22450-90-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury(2+) (9Z,12Z)-octadeca-9,12-dienoate	ﾋﾟﾘﾉｰﾙ酸水銀(Ⅱ)	7756-49-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury(2+) chloroacetate	ﾋﾞｽ(ｸﾛﾛ酢酸)水銀(Ⅱ)	26719-07-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury(2+), bis(2,4,6-tri-2-pyridinyl-1,3,5-triazine-N1,N2,N6)-, (OC-6-1'2)-	ﾋﾞｽ(2,4, 6-ﾄﾘ-2-ﾋﾟﾘｼﾞﾆﾙ-1,3, 5-ﾄﾘｱｼﾞﾝ-N1,N2,N6) 水銀(Ⅱ)	53010-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury(II) oxalate	ｼｭｳ酸水銀(Ⅱ)	3444-13-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury(II) potassium iodide	ﾖｳ化ｶﾘｳﾑ水銀(Ⅱ)	7783-33-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (2-ethylhexanoato-O)(1-methoxycyclohexyl)-	水銀(2-ｴﾁﾙﾍｷｻﾝ酸)(0-ﾒﾄｷｼｼｸﾛﾍｷｼﾙ)	103332-13-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (1-methoxycyclohexyl)(neodecanoato-O)-	(1-ﾒﾄｷｼｼｸﾛﾍｷｼﾙ)(ﾈｵﾃﾞｶﾉｴｰﾄ-O)-、水銀	103369-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (1-methoxyethyl)(9-octadecenoato-O)-,	1-ﾒﾄｷｼｴﾁﾙ)(9-ｵｸﾀﾃﾞｨｾﾉｴｰﾄ-O)-、水銀	104325-07-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercury, (1-methoxycyclohexyl)(9-octadecenoato-O)-,	水(1-ﾒﾄｷｼｼｸﾛﾍｷｼﾙ)(9-ｵｸﾀﾃﾞｨｾﾉｴｰﾄO) -､水銀	104325-08-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (1-methoxyethyl)(neodecanoato-O)-	(1-ﾒﾄｷｼｴﾁﾙ)(ﾈｵﾃﾞｶﾉｴｰﾄ-0)-､水銀	104335-53-7	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (2-ethylhexanoato-O)(1-methoxyethyl)	(2-ｴﾁﾙﾍｷｻﾉｱﾄ)(0-ﾒﾄｷｼｴﾁﾙ)､水銀	104339-46-0	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (2',7'-dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-4'-yl)hydroxy-, disodium salt	ﾏｰｷｭﾛｸﾛﾑ, (2',7'-ｼﾞﾌﾞﾛﾓｰ3',6'-ｼﾞﾋﾄﾞﾛｷｼ-3-ｵｷｿｽﾋﾟﾛ[ｲｿﾍﾞﾝｿﾞﾌﾗﾝ-1(3H),9'-[9H]ｷｻﾝﾃﾝ]-4'-ｲﾙ)ﾋﾄﾞﾛｷｼ水銀	129-16-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (2-ethylhexanoato-O)phenyl-		13302-00-6	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Mercury, (9-octadecenoato-O)phenyl-, (Z)-	ｵﾚｲﾝ酸ﾌｪﾆﾙ水銀	104-60-9	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (acetato-O)(2-hydroxy-5-nitrophenyl)-	ｱｾﾁﾙｵｷｼ(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)水銀(Ⅱ)	63468-53-1	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (acetato-O)(4-aminophenyl)-	酢酸p-ｱﾐﾉﾌｪﾆﾙ水銀(Ⅱ)	6283-24-5	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (acetato-O)[3-(chloromethoxy)propyl-C,O]-	ｱｾﾁﾙｵｷｼ(3-(ｸﾛﾛﾒﾄｷｼ)ﾌﾟﾛﾋﾟﾙ)水銀(Ⅱ)	5954-14-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (acetato-O)[4-[[4-(dimethylamino)phenyl]azo]phenyl]-	N,N-ｼﾞﾒﾁﾙ-4'-(ｱｾﾄｷｼﾒﾙｸﾘｵ(Ⅱ))ｱｿﾞﾍﾞﾝｾﾞﾝ-4-ｱﾐﾝ	19447-62-2	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (acetato-O)diamminephenyl-, (T-4)-	酢酸-O-ﾌｪﾆﾙｼﾞｱﾐﾝ水銀	68201-97-8	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, (neodecanoato-O)phenyl-	ﾈｵﾃﾞｶﾝ酸-O-ﾌｪﾆﾙ水銀	26545-49-3	Prohibited	All applications and products （If the Product contains prohibited substances, please consult NSK.）	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	

5．List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercury, [.mu.-[dodecylbutanedioato(2-)-O:O']]diphenyldi-	2-ﾄﾞﾃﾞｼﾙｺﾊｸ酸ﾋﾞｽ(ﾌｪﾆﾙ水銀(II))	24806-32-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, [2,5-dichloro-3,6-dihydroxy-2,5-cyclohexadiene-1,4-dionato(2-)-O1,O6]-	ｸﾛﾗﾆﾙ酸水銀塩	33770-60-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, bis(4-methylphenyl)-	ﾋﾞｽ(4-ﾒﾁﾙﾌｪﾆﾙ)水銀(Ⅱ)	537-64-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, bis(acetato-O)(benzenamine)-	ﾋﾞｽ酢酸-O-ｱﾆﾘﾝ水銀	63549-47-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, bis(phenyldiazenecarbothioic acid 2-phenylhydrazidato-N2,S)-, (T-4)-	ﾋﾞｽ(ﾌｪﾆﾙｼﾞｱｾﾞﾝﾁｵｶﾙﾎﾞﾝ酸2-ﾌｪﾆﾙﾋﾄﾞﾗｼﾞﾀﾞﾄ-N2,S) 水銀	14783-59-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, chloro(2-hydroxy-5-nitrophenyl)-	(2-ﾋﾄﾞﾛｷｼ-5-ﾆﾄﾛﾌｪﾆﾙ)水銀(II)ｸﾛﾘﾄﾞ	24579-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, chloro(4-hydroxyphenyl)-	ｸﾛﾛ(4-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ)水銀(Ⅱ)	623-07-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, chloro(4-methylphenyl)-	(4-ﾒﾁﾙﾌｪﾆﾙ)水銀(Ⅱ)ｸﾛﾘﾄﾞ	539-43-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, chloro(ethanethiolato)-	ｸﾛﾛ(ｴﾁﾙﾁｵ)水銀(Ⅱ)	1785-43-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, chloro[2-(2-cyclohexen-1-yl)-3-benzofuranyl]-	ｸﾛﾛ[2-(2-ｼｸﾛﾍｷｾﾝ-1-ｲﾙ)-3-ﾍﾞﾝｿﾌﾗﾆﾙ] 水銀	90584-88-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, chloro[p-(2,4-dinitroanilino)phenyl]-	(4-((2,4-ｼﾞﾆﾄﾛﾌｪﾆﾙ)ｱﾐﾉ)ﾌｪﾆﾙ)ﾒﾙｸﾘｵ(Ⅱ)ｸﾛﾘﾄﾞ	15785-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, compound with sodium (2:1)	水銀ﾅﾄﾘｳﾑ化合物(2:1)	12055-37-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Mercury, compound with sodium (4:1)	水銀ﾅﾄﾘｳﾑ化合物(4:1)	57363-77-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, compound with titanium (1:3)	ﾁﾀﾝﾄ鉛/1:3化合物	11083-41-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, dibutyl-	ｼﾞﾌﾞﾁﾙ水銀	629-35-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, iodo(iodomethyl)-	ﾖｳ化(ﾖｳﾄﾞﾒﾁﾙ)水銀	141-51-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, methyl(8-quinolinolato-N1,O8)-	ﾒﾁﾙ(8-ｷﾉﾘﾉ酸-N1,O8)水銀	86-85-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, phenyl(phenyldiazenecarbothioic acid 2-phenylhydrazidato)-	ﾌｪﾆﾙ(ﾌｪﾆﾙｼﾞｱｾﾞﾝﾁｵｶﾙﾎﾞﾝ酸-2-ﾌｪﾆﾙﾋﾄﾞﾗｼﾞﾄ) 水銀	56724-82-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, phenyl(propanoato-O)-	ﾒﾀｿｰﾙ57	103-27-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Mercury, phenyl(trichloromethyl)-	(ﾄﾘｸﾛﾛﾒﾁﾙ)ﾌｪﾆﾙ水銀(Ⅱ)	3294-57-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercurymethylchloride	ﾒﾁﾙﾏｰｷｭﾘｸﾛﾗｲﾄﾞ	115-09-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mersalyl	ﾒﾙｻﾘﾙ	492-18-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mersalyl acid	ﾒﾙｻﾘﾝ酸	486-67-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Methoxyethylmercuric acetate	(ﾏﾄｷｼ)(2-ﾒﾄｷｼｴﾁﾙ)水銀(Ⅱ)	151-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Methyl mercury dicyandiamide	3-ｼｱﾉｸﾞｱﾆｼﾞﾉﾒﾁﾙ水銀	502-39-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Methyl(pentachlorophenolato)mercury	ﾒﾁﾙ水銀(Ⅱ)ﾍﾟﾝﾀｸﾛﾛﾌｪﾉﾗｰﾄ	5902-76-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●	●									●	
Methylmercury	ﾒﾁﾙ水銀	22967-92-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Methylmercury benzoate	ﾒﾁﾙ水銀(Ⅱ)ﾍﾞﾝｿﾞｱｰﾄ	3626-13-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Methylmercury hydroxide	水酸化ﾒﾁﾙ水銀(Ⅱ)	1184-57-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
N-(Ethylmercuric)-p-toluenesulphonannilide	ｴﾁﾙ((4-ﾒﾁﾙﾌｪﾆﾙｽﾙﾎﾆﾙ)ﾌｪﾆﾙｱﾐﾉ)水銀(Ⅱ)	517-16-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Naphthenic acids, mercury salts	ﾅﾌﾃﾝ酸水銀の塩	1336-96-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Nitric acid, mercury(2+) salt, hemihydrate	硝酸水銀(Ⅱ)半水物	13465-31-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Otimerate sodium	ｵﾁﾒﾗｰﾄﾅﾄﾘｳﾑ	16509-11-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Perchloric acid, mercury(2+) salt	過塩素酸第二水銀	7616-83-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●										●	
Phenyl(quinolin-8-olato-N1,O8)mercury	ｷﾉﾘﾝ-8-ｵﾚｲﾝ酸ﾌｪﾆﾙ水銀	14354-56-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Phenyl(tribromomethyl)mercury	ﾄﾘﾌﾞﾛﾓﾒﾁﾙﾌｪﾆﾙ水銀(Ⅱ)	3294-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phenylmercuric acetate	ｱｾﾄ(ﾌｪﾆﾙ)水銀(Ⅱ)	62-38-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Phenylmercuric hydroxide	水酸化ﾌｪﾆﾙ水銀	100-57-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Phenylmercuric nitrate	硝酸ﾌｪﾆﾙ第二水銀	55-68-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Phenylmercury benzoate	(ﾍﾞﾝｿﾞｲﾙｵｷｼ)ﾌｪﾆﾙ水銀(Ⅱ)	94-43-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Phenylmercury chloride	塩化ﾌｪﾆﾙ水銀	100-56-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Phenylmercury dimethyldithiocarbamate	ｼﾞﾒﾁﾙｼﾞﾁｵｶﾙﾊﾞﾐﾄﾞ酸(ﾌｪﾆﾙ水銀(Ⅱ))	32407-99-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Phenylmercury hydroxide--phenylmercury nitrate	塩基性硝酸ﾌｪﾆﾙ第二水銀	8003-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Phenylmercury salicylate	ﾌｪﾆﾙ水銀(Ⅱ)2-ﾋﾄﾞﾛｷｼﾍﾞﾝｿﾞｱｰﾄ	28086-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Phenylmercury stearate	((1-ｵｷｿｵｸﾀﾃﾞｼﾙ)ｵｷｼ)ﾌｪﾆﾙ水銀(Ⅱ)	104-59-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Phosphoric acid, mercury salt	ﾘﾝ酸水銀(Ⅱ)(H3PO4.xHg)	10451-12-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Potassium triiodomercurate(1-)	三ﾖｳ化水銀(1-ｶﾘｳﾑ)	22330-18-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Sodium [3-[[(3-carboxylatopropionamido)carbonyl]amino]-2-methoxypropyl]hydroxymercurate(1-)	[3-[[(3-ｶﾙﾎﾞｷｼﾙ酸ﾌﾟﾛﾋﾟｵﾝ酸ｱﾐﾄﾞ)ｶﾙﾎﾞｷｼﾙ] ｱﾐﾉ] -2-ﾒﾄｷｼﾌﾟﾛﾋﾟﾙ] ﾋﾄﾞﾛｷｼ水銀(1-) ﾅﾄﾘｳﾑ	7620-30-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sodium 4-chloromercuriobenzoate	p-(ｸﾛﾛﾒﾙｸﾘｵ)安息香酸ﾅﾄﾘｳﾑ	3198-04-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Sodium o-(ethylmercurithio)benzoate	ﾁﾒﾛｻｰﾙ	54-64-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Sodium timerfonate	ｴﾁﾙﾏｰｷｭﾘｰﾁｵﾌｪﾉｰﾙ-p-ｽﾙﾎﾝ酸ﾅﾄﾘｳﾑ	5964-24-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Tetrakis(acetato-O)[.mu.4-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-2',4',5',7'-tetrayl)]tetramercury	ﾃﾄﾗｷｽ(酢酸-O)[.μ-4-(3',6'-ｼﾞﾋﾄﾞﾛｷｼ-3-ｵｷｿｽﾋﾟﾛ[ｲｿﾍﾞﾝｿﾞﾌﾗﾝ-1(3H),9'-[9H] ｻﾝﾃﾝ]-2',4',5',7'-ﾃﾄﾗｲﾙ)]四水銀	54295-90-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Trimercury biscitrate	ｸｴﾝ酸,水銀	18211-85-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Cadmium Mercury Sulfide	硫化ｶﾄﾞﾐｳﾑ水銀	1345-09-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Mercury, (2-mercaptoacetamidato-O,S)methyl	(2-ﾒﾙｶﾌﾟﾄｱｾﾄｱﾐﾀﾞﾄ-O,S)ﾒﾁﾙ水銀	7548-26-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury-difulminate	二雷酸水銀(II)	628-86-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●					●	●										●	
Mercury, chloro(cyclohexylmethyl)-	塩化第二水銀	33631-63-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●	●				●	●										●	
Phenylmercury octanoate		13864-38-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	●			●		●	●										●	
Methanol	ﾒﾀﾉｰﾙ	67-56-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													●	
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	2-ﾒﾁﾙ-1-(4-ﾒﾁﾙﾁｵﾌｪﾆﾙ)-2-ﾓﾙﾌｫﾘﾉﾌﾟﾛﾊﾟﾝ-1-ｵﾝ	71868-10-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
4-Methylcyclohexyl-1,6-dicarboxylic acid anhydride		19438-60-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
4,4'-methylenediphenol		620-92-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Methyloxirane		75-56-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●		●	
4,4'-(1-Methylpropylidene)bisphenol		77-40-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
alpha-Methylstyrene		98-83-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Mineral fibers (Natural or Synthetic), all members except: - Non-respirable fibers - Fibers with low biopersistence						●																
Ceramic Fibers	ｾﾗﾐｯｸﾌｧｲﾊﾞｰ	142844-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Calcium-Magnesium-Zirconium-Silicate Mixture	ｶﾙｼｳﾑ-ﾏｸﾞﾈｼｳﾑ-珪酸ｼﾞﾙｺﾆｳﾑ混合物(生体溶解性ﾌｧｲﾊﾞｰ-Superwool 607)	329211-92-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Aluminium Chloride, Basic reaction products with Silica		675106-31-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Miristalkonium chloride;	ﾐﾘｽﾀﾙｺﾆｳﾑｸﾛﾘﾄﾞ	139-08-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Molybdenum trioxide		1313-27-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Monomethyldibromodiphenylmethane	ﾓﾉﾒﾁﾙｼﾞﾌﾞﾛﾓｼﾞﾌｪﾆﾙﾒﾀﾝ(DBBT)	99688-47-8	Prohibited	All applications and products	Intentionally added	●	●		●													
Monomethyldichlorodiphenylmethane	ﾓﾉﾒﾁﾙｼﾞｸﾛﾛｼﾞﾌｪﾆﾙﾒﾀﾝ	81161-70-8	Prohibited	All applications and products	Intentionally added	●	●															
Monomethyltetrachlorodiphenylmethane	ﾓﾉﾒﾁﾙﾃﾄﾗｸﾛﾛｼﾞﾌｪﾆﾙﾒﾀﾝ	76253-60-6	Prohibited	All applications and products	Intentionally added	●	●		●													
Naphthalenedisulfonic acid, dinonyl-		60223-95-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Naphthalenesulfonicacid, dinonyl-, calcium salt (2:1)		57855-77-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Naphthalenesulfonicacid, dinonyl-		25322-17-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2-Naphthylamine and its salts, all members	2-ナフチルアミンおよびその塩類、全て		Prohibited			●																
2-Naphthylamine	2-ﾅﾌﾁﾙｱﾐﾝ	91-59-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	●	●		●							●			●		●	
2-Naphthylammoniumacetat		553-00-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	●			●										●			
2-naphthylammonium chloride		612-52-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	●			●										●			
N-1-naphthylaniline		90-30-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Nickel and its compounds, all members	ニッケルおよびその化合物、全て		Observation			●																
(2-Ethylhexanoato-O)(isodecanoato-O)nickel	(2-ｴﾁﾙﾍｷｻﾝ酸-O)(ｲｿﾃﾞｶﾝ酸-O)ﾆｯｹﾙ	84852-39-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
(2-Ethylhexanoato-O)(isononanoato-O)nickel	(2-ｴﾁﾙﾍｷｻﾝ酸-O)(ｲｿﾉﾅﾝ酸-O)ﾆｯｹﾙ	85508-45-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
(2-Ethylhexanoato-O)(isooctanoato-O)nickel	(2-ｴﾁﾙﾍｷｻﾝ酸-O)(ｲｿｵｸﾀﾝ酸-O)ﾆｯｹﾙ	84852-38-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
(2-Ethylhexanoato-O)(neodecanoato-O)nickel	(2-ｴﾁﾙﾍｷｻﾝ酸-O)(ﾈｵﾃﾞｶﾝ酸-O)ﾆｯｹﾙ	85135-77-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(Isodecanoato-O)(isononanoato-O)nickel	(ｲｿﾃﾞｶﾝ酸-O)(ｲｿﾉﾅﾝ酸-O) ﾆｯｹﾙ	84852-36-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
(Isodecanoato-O)(isooctanoato-O)nickel	(ｲｿﾃﾞｶﾝ酸-O)(ｲｿｵｸﾁﾙ酸-O) ﾆｯｹﾙ	85166-19-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
(Isodecanoato-O)(neodecanoato-O)nickel	(ｲｿﾃﾞｶﾝ酸-O)(ﾈｵﾃﾞｶﾝ酸-O) ﾆｯｹﾙ	85508-42-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
(Isononanoato-O)(isooctanoato-O)nickel	(ｲｿﾉﾅﾝ酸-O)(ｲｿｵｸﾀﾝ酸-O) ﾆｯｹﾙ	85508-46-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
(Isononanoato-O)(neodecanoato-O)nickel	(ｲｿﾉﾅﾝ酸-O)(ﾈｵﾃﾞｶﾝ酸-O) ﾆｯｹﾙ	85551-28-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
(Isooctanoato-O)(neodecanoato-O)nickel	(ｲｿｵｸﾀﾝ酸-O)(ﾈｵﾃﾞｶﾝ酸-O) ﾆｯｹﾙ	84852-35-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
(Neononanoato-O)(neoundecanoato-O)nickel	(ﾈｵﾉﾅﾝ酸-O)(ﾈｵｳﾝﾃﾞｶﾝ酸-O) ﾆｯｹﾙ	93920-08-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
[.mu.-[[1,1',1'',1'''-[Benzene-1,2,4,5-tetrayltetrakis(nitromethylidyne)]naphth-2-olato](4-)]]dinickel	[.μ-[[1,1',1'',1'''-[ﾍﾞﾝｾﾞﾝ-1,2,4,5-ﾃﾄﾗｲﾙﾃﾄﾗｷｽ(ﾆﾄﾛﾒﾁﾘｼﾞﾝ)] 2-ﾅﾌﾄﾗﾄ](4-)]]二ﾆｯｹﾙ	22484-07-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
[.mu.-[Carbonato(2-)-O:O']]dihydroxydinickel	μ-(炭酸(2-)-O,O') 二水酸化二ﾆｯｹﾙ	65405-96-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
[[2,2'-(4,8-Dichlorobenzo[1,2-d:4,5-d']bisoxazole-2,6-diyl)bis[4,6-dichlorophenolato]](2-)]nickel	[[2,2'-(4,8-ｼﾞｸﾛﾛﾍﾞﾝｿﾞ[1,2-d:4,5-d ']ﾋﾞｽｵｷｻｿﾞｰﾙ-2, 6-ｼﾞｲﾙ)ﾋﾞｽ[4, 6-ｼﾞｸﾛﾛﾌｪﾗﾄ]](2-)]ﾆｯｹﾙ	47726-62-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
[[2,2'-Thiobis[3-octylphenolato]](2-)-O,O',S]nickel	[[2,2'-ﾁｵﾋﾞｽ[3-ｵｸﾁﾙﾌｪﾗﾄ]](2-)-O,O',S]ﾆｯｹﾙ	33882-09-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
[[N,N',N'',N'''-[29H,31H-Phthalocyaninetetrayltetrakis(sulphonylimino-3,1-phenylene)]tetrakis[3-oxobutyramidato]](2-)-N29,N30,N31,N32]nickel	[[N,N',N''-[29H,31H-ﾌﾀﾛｼｱﾆﾝﾃﾄﾗｲﾙﾃﾄﾗｷｽ(ｽ	97404-22-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
[[N,N',N''-[29H,31H-Phthalocyaninetriyltris(sulphonylimino-3,1-phenylene)]tris[3-oxobutyramidato]](2-)-N29,N30,N31,N32]nickel	ﾙﾎﾆﾙｲﾐﾉ-3, 1-ﾌｪﾆﾚﾝ)] ﾃﾄﾗｷｽ[3-ｵｷ	97404-21-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ammonium nickel(2+) salt (2:2:1)	1,2,3-ﾌﾟﾛﾊﾟﾝﾄﾘｶﾙﾎﾞﾝ酸,2-ﾋﾄﾞﾛｷｼｰ,ｱﾝﾓﾆｱ,ﾆｯｹﾙ (Ⅱ)(2:2:1)	68025-13-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
1,2,3-Propanetriol, 1-(dihydrogen phosphate), nickel(2+) salt (1:1)	ﾘﾝ酸2,3-ｼﾞﾋﾄﾞﾛｷｼﾌﾟﾛﾋﾟﾙ=ﾆｯｹﾙ(Ⅱ)	68391-37-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
1,2,3-Propanetriol, mono(dihydrogen phosphate), nickel(2+) salt (1:1)	(ﾆﾘﾝ酸水素)､1,2,3-ﾌﾟﾛﾊﾟﾝﾄﾘｵｰﾙﾉﾆｯｹﾙ(Ⅱ)塩 (1:1)	67952-69-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, nickel(2+) salt (1:1)	1, 2-ﾍﾞﾝｾﾞﾝｼﾞｶﾙﾎﾞﾝ酸, 3,4,5, 6-ﾃﾄﾗﾌﾞﾛﾓﾆｯｹﾙ (Ⅱ) 塩(1:1)	18824-79-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Benzidine, Ni(2+) salt	ﾍﾞﾝｼﾞｼﾞﾝ, Ni(2+)塩	67632-50-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
2,7-Naphthalenedisulfonic acid, nickel(2+) salt (1:1)	2,7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸ﾆｯｹﾙ(Ⅱ)	72319-19-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
2-Ethylhexanoic acid, nickel salt	2-ｴﾁﾙﾍｷｻﾝ酸,ﾆｯｹﾙ	7580-31-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Acetic acid, nickel(2+) salt, polymer with formaldehyde and 4-(1,1,3,3-tetramethylbutyl)phenol	ﾎﾙﾑｱﾙﾃﾞﾋﾄﾞと4-(1,1,3, 3-ﾃﾄﾗﾒﾁﾙﾌﾞﾁﾙ)ﾌｪﾉｰﾙによるﾎﾟﾘﾏｰ中の酢酸ﾆｯｹﾙ(2+)塩	71050-57-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Aluminum boron cobalt lithium nickel oxide		207803-51-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Aluminum cobalt lithium nickel oxide		193214-24-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Aluminum nickel oxide (Al2NiO4)	酸化ｱﾙﾐﾆｳﾑ-酸化ﾆｯｹﾙ化合物(Al2NiO4)	12004-35-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Aluminum, compound with nickel (1:1)	ｱﾙﾐﾆｳﾑ,ﾆｯｹﾙ(1:1)	12003-78-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Aluminum, triethyl-, reaction products with nickel(2+) bis(2-ethylhexanoate)	ﾋﾞｽ(2-ｴﾁﾙﾍｷｻﾝ酸) ﾆｯｹﾙ(Ⅱ)による反応生成物であるﾄﾘｴﾁﾙｱﾙﾐﾆｳﾑ	79357-65-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Antimony oxide (Sb2O3), solid solution with nickel oxide (NiO) and titanium oxide (TiO2)	酸化ﾆｯｹﾙ(NiO) ﾄ酸化ﾁﾀﾝ(TiO2) の固溶体中の酸化ｱﾝﾁﾓﾝ(Sb2O3)	73892-02-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Antimony, compound with nickel (1:1)	ｱﾝﾁﾓﾝ,ﾆｯｹﾙ(1:1)	12035-52-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Antimony, compound with nickel (1:3)	ｱﾝﾁﾓﾝ,ﾆｯｹﾙ(1:3)	12503-49-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)	ﾋﾞｽ(3,5-ﾋﾞｽ(1,1-ｼﾞﾒﾁﾙｴﾁﾙ)-4-ﾋﾄﾞﾛｷｼﾍﾞﾝｾﾞﾝﾌﾟﾛﾊﾟﾝ酸)ﾆｯｹﾙ(Ⅱ)	55868-93-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)	ﾋﾞｽ(3,5-ﾋﾞｽ(1,1-ｼﾞﾒﾁﾙｴﾁﾙ)-4-ﾋﾄﾞﾛｷｼ安息香酸)ﾆｯｹﾙ(Ⅱ)	52625-25-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-O,O')nickel	ﾋﾞｽ(1,1,1,5,5, 5-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ-2,4-ｼﾞｵﾅﾄ-O,O') ﾆｯｹﾙ	14949-69-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(1,5-cyclooctadiene)nickel	ﾋﾞｽ(ｼｸﾛｵｸﾀｼﾞｴﾝ)ﾆｯｹﾙ	1295-35-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(1H-1,2,4-triazole-3-sulphonato-N2,O3)nickel	ﾋﾞｽ(1H-1,2, 4-ﾄﾘｱｿﾞｰﾙ-3-ｽﾙﾎﾝ酸-N2,O3)ﾆｯｹﾙ	85586-46-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(1-nitroso-2-naphtholato)nickel	ﾋﾞｽ(1-ﾆﾄﾛｿ-2-ﾅﾌﾄｰﾙ酸) ﾆｯｹﾙ	12794-26-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')(2,2,4,4-tetramethyl-7-oxa-3,20-diazadispiro[5.1.11.2]henicosan-21-one-O21)nickel	ﾋﾞｽ(4-ﾍﾞﾝｿﾞｲﾙ-2, 4-ｼﾞﾋﾄﾞﾛ-5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H-ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ-O,O')(2,2,4, 4-ﾃﾄﾗﾒﾁﾙ-7-ｵｷｻ-3, 20-ｼﾞｱｻﾞｽﾋﾟﾛ[5.1.11.2] ﾍﾝｲｺｻﾝ-21-ｵﾝ-O21) ﾆｯｹﾙ	79121-51-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')nickel	ﾋﾞｽ(4-ﾍﾞﾝｿﾞｲﾙ-2, 4-ｼﾞﾋﾄﾞﾛ-5-ﾒﾁﾙ-2-ﾌｪﾆﾙ-3H-ﾋﾟﾗｿﾞｰﾙ-3-ｵﾅﾄ-O,O') ﾆｯｹﾙ	69524-96-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(5-oxo-DL-prolinato-N1,O2)nickel	ﾋﾞｽ(5-ｵｷｿ-DL-ﾌﾟﾛﾘﾝ酸-N1,O 2)ﾆｯｹﾙ	85026-81-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(5-oxo-L-prolinato-N1,O2)nickel	ﾋﾞｽ(5-ｵｷｿ-L -ﾌﾟﾛﾘﾝ酸)ﾆｯｹﾙ	70824-02-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(butanedione dioximato)nickel	ﾋﾞｽ(ｼﾞﾒﾁﾙｸﾞﾘｵｷｼﾏﾄ)ﾆｯｹﾙ(II)	13478-93-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(D-gluconato-O1,O2)nickel	ﾋﾞｽｸﾞﾙｺﾝ酸ﾆｯｹﾙ	71957-07-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(diethyldithiocarbamato-S,S')nickel	ﾋﾞｽ(ｼﾞｴﾁﾙｶﾙﾊﾞﾓｼﾞﾁｵｱﾄ)-ﾆｯｹﾙ	52610-81-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(quinolin-8-olato-N1,O8)nickel	ﾋﾞｽｷﾉﾘﾝ-8-ｵﾚｲﾝ酸(-N1,O 8-)ﾆｯｹﾙ1	14100-15-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis[(2-hydroxyethyl)dithiocarbamato-S,S']nickel	ﾋﾞｽ(2-ﾋﾄﾞﾛｷｼｴﾁﾙ) ｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸-S,S'-ﾆｯｹﾙ	52486-98-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis[2-hydroxy-4-(octyloxy)benzophenonato]nickel	ﾋﾞｽ[2-ﾋﾄﾞﾛｷｼ-4-ｵｸﾁﾙｵｷｼﾍﾞﾝｿﾞﾌｪﾉﾝ酸]ﾆｯｹﾙ	15843-91-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis[bis(2-hydroxyethyl)dithiocarbamato-S,S']nickel	ﾋﾞｽ(ﾋﾞｽ(2-ﾋﾄﾞﾛｷｼｴﾁﾙ) ｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸-S,S' -)ﾆｯｹﾙ	52486-99-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis[di(3,5,5-trimethylhexyl)dithiocarbamato-S,S']nickel	ﾋﾞｽ[ｼﾞ(3,5, 5-ﾄﾘﾒﾁﾙﾍｷｼﾙ)ｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸-S,S ']ﾆｯｹﾙ	84604-95-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis[N-(2,4-dimethoxyphenyl)-2,3-bis(hydroxyimino)butyramidato-N2,N3]nickel	ﾋﾞｽ[N-(2, 4-ｼﾞﾒﾄｷｼﾌｪﾆﾙ)-2, 3-ﾋﾞｽ(ﾋﾄﾞﾛｷｼｲﾐﾉ)ﾌﾞﾁﾙｱﾐﾄﾞﾄ-N2,N3] ﾆｯｹﾙ	85269-39-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis[N-(2-hydroxyethyl)-N-methylglycinato-N,O,on]nickel	ﾋﾞｽ[N-(2-ﾋﾄﾞﾛｷｼｴﾁﾙ)-N-ﾒﾁﾙｸﾞﾘｼﾅﾄ-N,O,on]-ﾆｯｹﾙ	76625-10-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bismuth, compound with nickel (1:1)	ﾋﾞｽﾏｽ,ﾆｯｹﾙ(1:1)	12688-64-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, nickel(2+) salt (2:1)	(2R,3R)-2,3-ﾋﾄﾞﾛｷｼｺﾞﾀﾝ二酸,ﾆｯｹﾙ(2;1)	67952-41-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
C.I. Reactive green 12	ﾘｱｸﾃｨﾌﾞｸﾞﾘｰﾝ12 (反応染料)	72152-45-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Cobalt lithium manganese nickel oxide		182442-95-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Cobalt lithium manganese nickel oxide		346417-97-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
[Carbonato(2-)] tetrahydroxytrinickel		12607-70-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Carbonic acid, nickel salt	炭酸ﾆｯｹﾙ	16337-84-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Carbonic acid, nickel(2+) salt (2:1)	炭酸ﾆｯｹﾙ塩(2:1)	17237-93-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cassiterite, cobalt manganese nickel grey	ｽｽﾞ石(ｺﾊﾞﾙﾄﾏﾝｶﾞﾝﾆｯｹﾙｸﾞﾚｰ)	99749-23-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Chromic acid (H2Cr2O7), nickel(2+) salt (1:1)	重ｸﾛﾑ酸 (H2Cr2O7), ﾆｯｹﾙ(2+) 塩 (1:1)	15586-38-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Chromium nickel oxide (Cr2NiO4)	酸化ｸﾛﾑﾆｯｹﾙ (Cr2NiO4)	12018-18-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Chloric acid, nickel(2+) salt	塩素酸ﾆｯｹﾙ	67952-43-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Citric acid , ammonium nickel salt	ｸｴﾝ酸ｱﾝﾓﾆｳﾑﾆｯｹﾙ塩	18283-82-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Cobalt molybdenum nickel oxide (CoMo2NiO8)	酸化ｺﾊﾞﾙﾄﾓﾘﾌﾞﾃﾞﾝﾆｯｹﾙ(CoMo2NiO8)	68016-03-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Cobalt nickel oxide (CoNiO2)	酸化ｺﾊﾞﾙﾄﾆｯｹﾙ(CoNiO2)	58591-45-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Cobalt(2+) dinickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]	ﾋﾞｽ[2-ﾋﾄﾞﾛｷｼﾌﾟﾛﾊﾟﾝ-1,2, 3-ﾄﾘｶﾙﾎﾞﾝ酸]ｺﾊﾞﾙﾄ(Ⅱ)二ﾆｯｹﾙ(Ⅱ)	94232-44-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Copper(2+), bis(1,2-ethanediamine-N,N')-, (SP-4-1)-tetrakis(cyano-C)nickelate(2-) (1:1)	ﾋﾞｽ(1,2-ｴﾀﾝｼﾞｱﾐﾝ-N,N')-, (SP-4-1) -ﾃﾄﾗｷｽ(ｼｱﾉ-C) ﾆｯｹﾙ酸(2-) 銅(2+)(1:1)	63427-32-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Copper, compound with lanthanum and nickel (4:1:1)	ﾗﾝﾀﾝ-ﾆｯｹﾙ-銅化合物(4:1:1)	51912-52-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Cyclohexanebutanoic acid, nickel(2+) salt	ﾋﾞｽ(ｼｸﾛﾍｷｻﾝ酪酸)ﾆｯｹﾙ(Ⅱ)	3906-55-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Diammonium tetrachloronickelate(2-)	ﾃﾄﾗｸﾛﾛﾆｯｹﾙ酸二ｱﾝﾓﾆｳﾑ	99587-11-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Dicobalt(2+) nickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]	ﾋﾞｽ[2-ﾋﾄﾞﾛｷｼﾌﾟﾛﾊﾟﾝ-1,2, 3-ﾄﾘｶﾙﾎﾞﾝ酸]二ｺﾊﾞﾙﾄ(Ⅱ) ﾆｯｹﾙ(Ⅱ)	94232-84-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Diiron nickel tetraoxide	四酸化ﾆｯｹﾙ(Ⅱ)二鉄(Ⅲ)	12168-54-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Diiron nickel zinc tetraoxide	四酸化二鉄ﾆｯｹﾙ亜鉛	97435-21-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Dimethoxy[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]nickel	ｼﾞﾒﾄｷｼ[29H,31H -ﾌﾀﾛｼｱﾆﾝ酸-N29,N30,N31,N32] ｺﾊﾞﾙﾄ	83898-70-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Dimethylhexanoic acid, nickel salt	ｼﾞﾒﾁﾙﾍｷｻﾝ酸ﾆｯｹﾙ塩	93983-68-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Dinickel orthosilicate	ｹｲ酸ｼﾞﾆｯｹﾙ(Ⅱ)	13775-54-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Diphosphoric acid, nickel(2+) salt	二ﾘﾝ酸,ﾆｯｹﾙ(Ⅱ)	19372-20-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Diphosphoric acid, nickel(2+) salt (1:2)	二ﾘﾝ酸ﾆｯｹﾙ(Ⅱ)塩	14448-18-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Dipotassium tetrafluoronickelate(2-)	ﾃﾄﾗﾌﾙｵﾛﾆｯｹﾙ酸二ｶﾘｳﾑ	13859-60-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Dipotassium tris(cyano-c)nickelate(2-)	ｼｱﾝ化ﾆｯｹﾙ(Ⅰ)ｶﾘｳﾑ	39049-81-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Dysprosium, compound with nickel (1:2)	ｼﾞｽﾌﾟﾛｼｳﾑ,ﾆｯｹﾙ,(1:2)	12175-27-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Ethyl hydrogen sulphate, nickel(2+) salt	2(ｴﾁﾙｽﾙﾌｧｰﾄ)ﾆｯｹﾙ(Ⅱ)	71720-48-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Fatty acids, C6-19-branched, nickel salts	分岐型脂肪酸ﾆｯｹﾙ塩(炭素数C6-19)	91697-41-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Fatty acids, C8-18 and C18-unsaturated, nickel salts	脂肪酸ﾆｯｹﾙ塩(炭素数8-18及び18個の不飽和物)	84776-45-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Hexaamminenickel(2+) bis[tetrafluoroborate(1-)]	ﾋﾞｽﾃﾄﾗﾌﾙｵﾛﾎｳ酸ﾍｷｻｱﾐﾝﾆｯｹﾙ	13877-20-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Hexanoic acid, 2-ethyl-, nickel(2+) salt	2-ｴﾁﾙﾍｷｻﾝ酸ﾆｯｹﾙ	4454-16-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Iron alloy, base,(Fe.Ni)(ferronickel)	鉄ﾆｯｹﾙ合金(ﾌｪﾛﾆｯｹﾙ)	11133-76-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Isononanoic acid, nickel(2+) salt	ｲｿﾉﾅﾝ酸ﾆｯｹﾙ(Ⅱ)塩	84852-37-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lanthanum, compound with nickel (1:5)	ﾗﾝﾀﾝ,ﾆｯｹﾙ(1:5)	12196-72-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Leach residues, nickel-vanadium ore - Residues from basic leaching of nickel-bearing vanadium ores. Composed primarily of silica and insoluble compounds of nickel and vanadium with minor quantities of other metals, such as arsenic, lead, tin and zinc	ﾆｯｹﾙﾊﾞﾅｼﾞｳﾑ鉱石の残渣-少量のヒ素、鉛、ｽｽﾞ、亜鉛その他の元素を含有しているｼﾘｶ主成分のようなもの	84144-92-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Lithium nickel cobalt aluminum oxide	ﾘﾁｳﾑﾆｯｹﾙｺﾊﾞﾙﾄｱﾙﾐﾆｳﾑ酸化物	177997-13-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Lithium nickel oxide (LiNiO2)	酸化ﾘﾁｳﾑﾆｯｹﾙ	12031-65-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Molybdenum nickel oxide	酸化ﾆｯｹﾙﾓﾘﾌﾞﾃﾞﾝ	12673-58-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Naphthenic acids, nickel salts	ﾅﾌﾃﾝ酸ﾆｯｹﾙ塩	61788-71-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Neodecanoic acid, nickel salt	ﾈｵﾃﾞｶﾝ酸,ﾆｯｹﾙ	51818-56-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel	ﾆｯｹﾙ	7440-02-0	Prohibited/Observation	To be prohibited: substances in contact with the human body continuously for a long period of time To be controlled: substances not in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials 1000	●	●		●													●	
Nickel [R(R*,R*)]-tartrate	(2R,3R)-2,3-ｼﾞﾋﾄﾞﾛｷｼﾌﾞﾀﾝｼﾞｵｴｰﾄ,ﾆｯｹﾙ,(1;x)	52022-10-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel acetate	酢酸ﾆｯｹﾙ	14998-37-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel acetate tetrahydrate	酢酸ﾆｯｹﾙ四水和物	6018-89-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Nickel acrylate	ﾌﾟﾛﾍﾟﾝ酸ﾆｯｹﾙ	51222-18-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel ammonium sulfate	ﾋﾞｽ(硫酸)ﾆｯｹﾙ(Ⅱ)ｱﾝﾓﾆｳﾑ	15699-18-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel arsenide (NiAs)	一ヒ化ﾆｯｹﾙ	27016-75-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
C.I. Pigment Yellow 157 (Nickel barium titanium priderite)		68610-24-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel bis(benzenesulphonate)	ﾋﾞｽ(ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸)ﾆｯｹﾙ	39819-65-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel bis(dihydrogen phosphate)	ﾋﾞｽ(ﾘﾝ酸二水素)ﾆｯｹﾙ	18718-11-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel bis(phosphinate)	ｼﾞﾎｽﾌｨﾝ酸ﾆｯｹﾙ	14507-36-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel bis(piperidine-1-carbodithioate)	ﾋﾞｽ(ﾋﾟﾍﾟﾘｼﾞﾝ-1-ﾁｵ炭酸)ﾆｯｹﾙ	41476-75-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel bisphosphinate	ﾎｽﾌｨﾝ酸ﾆｯｹﾙ	36026-88-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel boride	ﾎｳ化ﾆｯｹﾙ	12619-90-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Nickel boride (Ni2B)	ﾎｳ化ﾆｯｹﾙ(Ni2B)	12007-01-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel boride (Ni3B)	ﾎｳ化ﾆｯｹﾙ(Ni3B)	12007-02-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel boride (NiB)	ﾎｳ化ﾆｯｹﾙ (NiB)	12007-00-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel bromide (NiBr2)	臭化ﾆｯｹﾙ(Ⅱ)	13462-88-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel bromide (NiBr2), trihydrate	臭化ﾆｯｹﾙ(Ⅱ)三水和物	7789-49-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel carbide	ﾆｯｹﾙｶｰﾊﾞｲﾄﾞ	12710-36-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel carbonate	炭酸ﾆｯｹﾙ	3333-67-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel carbonyl	ﾆｯｹﾙｶﾙﾎﾞﾆﾙ	13463-39-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel chloride		37211-05-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel chromate	ｸﾛﾑ酸ﾆｯｹﾙ	14721-18-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel cyanide	ｼｱﾝ化ﾆｯｹﾙ(Ⅱ)	557-19-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel diarsenide	ﾋ化ﾆｯｹﾙ;二ﾋ化ﾆｯｹﾙ	12068-61-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel dibenzoate	安息香酸ﾆｯｹﾙ(Ⅱ)	553-71-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel dibromate	臭素酸ﾆｯｹﾙ	14550-87-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel dihydroxide hydrate		36897-37-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel dimethyldithiocarbamate	ﾆｯｹﾙﾋﾞｽ(ｼﾞﾒﾁﾙｼﾞﾁｵｶｰﾊﾞﾒｰﾄ)	15521-65-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel dipotassium bis(sulphate)	硫酸,ﾆｯｹﾙ,ｶﾘｳﾑ	13842-46-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel dithiocyanate	ﾁｵｼｱﾝ酸ﾆｯｹﾙ(Ⅱ)	13689-92-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel fluoride (NiF2)	ﾌｯ化ﾆｯｹﾙ(Ⅱ)	10028-18-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel fluoride (NiF2), tetrahydrate	ﾌｯ化ﾆｯｹﾙ四水和物	13940-83-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel hydrogen phosphate	ﾘﾝ酸ﾆｯｹﾙ塩	14332-34-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel hydride (NiH)		14332-32-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel hydroxide	水酸化ﾆｯｹﾙ(混合)	11113-74-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●															●	
Nickel hydroxide	水酸化ﾆｯｹﾙ(混合)	12054-48-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel hydroxide	水酸化ﾆｯｹﾙ(混合)	12125-56-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel isooctanoate	ｲｿｵｸﾀﾝ酸ﾆｯｹﾙ	27637-46-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel methacrylate	ﾒﾀｸﾘﾙ酸ﾆｯｹﾙ	94275-78-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel nitrate	硝酸ﾆｯｹﾙ	14216-75-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel nitrate (2+ salt)	硝酸ﾆｯｹﾙ無水物	13138-45-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel nitrite	亜硝酸ﾆｯｹﾙ	17861-62-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel oxide	酸化ﾆｯｹﾙ	11099-02-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●															●	
Nickel oxide	酸化ﾆｯｹﾙ	1313-99-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●												●	
Nickel oxide (Ni2O3)	酸化ﾆｯｹﾙ(Ⅲ)	1314-06-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel oxide (NiO2)	二酸化ﾆｯｹﾙ	12035-36-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel oxide (Ni3O4)		12137-09-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel perchlorate	過塩素酸ﾆｯｹﾙ(Ⅱ)	13637-71-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●												●	
Nickel phosphide (Ni2P)	一ﾘﾝ化二ﾆｯｹﾙ	12035-64-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel potassium cyanide	ﾃﾄﾗｼｱﾉﾆｯｹﾙ(Ⅱ)酸ｶﾘｳﾑ	14220-17-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel selenate	ｾﾚﾝ酸ﾆｯｹﾙ(Ⅱ)	15060-62-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel selenide	ｾﾚﾝ化ﾆｯｹﾙ(Ⅱ)	1314-05-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel silicide (Ni2Si)	ﾆｯｹﾙｹｲ化物(Ni2Si)	12059-14-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel silicide (NiSi)	ﾆｯｹﾙｹｲ化物(NiSi)	12035-57-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel silicide (NiSi2)	ﾆｯｹﾙｹｲ化物(NiSi2)	12201-89-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel subsulfide	二硫化三ﾆｯｹﾙ	12035-72-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel sulfate	硫化ﾆｯｹﾙ	7786-81-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●													●	
Nickel sulfide (Ni2S3)	ﾆｯｹﾙ硫化物(Ni2S3)	12259-56-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel sulfide (NiS)	硫化ﾆｯｹﾙ(Ⅱ)	16812-54-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel telluride	ﾃﾙﾙ化ﾆｯｹﾙ	12142-88-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel tin trioxide	酸化ｽｽﾞﾆｯｹﾙ	12035-38-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel titanium oxide	酸化ﾁﾀﾝﾆｯｹﾙ	12035-39-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel titanium oxide	酸化ﾁﾀﾝﾆｯｹﾙ	12653-76-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel titanium tungsten oxide (NiTi20W2O47)	酸化ﾆｯｹﾙﾁﾀﾝﾀﾝｸﾞｽﾃﾝ(NiTi20W2O47)	69011-05-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel vanadium oxide (NiV2O6)	酸化ﾆｯｹﾙﾊﾞﾅｼﾞｳﾑ(NiV2O6)	52502-12-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel zirconium oxide (NiZrO3)	酸化ﾆｯｹﾙｼﾞﾙｺﾆｳﾑ(NiZrO3)	70692-93-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(1+), [1-(2-amino-4-imino-5(4H)-thiazolylidene)-N-[1-(2-amino-4-imino-5(4H)-thiazolylidene)-1H-isoindol-3-yl]-1H-isoindol-3-aminato]-, chloride	[1-(2-ｱﾐﾉ-4-ｲﾐﾉ-5(4H)-ﾁｱｿﾞﾘﾘﾃﾞﾝ)-N-[1-(2-ｱﾐﾉ-4-ｲﾐﾉ-5(4H)-ﾁｱｿﾞﾘﾘﾃﾞﾝ)-1H-ｲｿｲﾝﾄﾞｰﾙ-3-ｲﾙ]-1H-ｲｿｲﾝﾄﾞｰﾙ-3-ｱﾐﾉ]	53199-85-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) acrylate	ｱｸﾘﾙ酸ﾆｯｹﾙ(Ⅱ)	60700-37-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) methacrylate	ﾒﾀｸﾘﾙ酸ﾆｯｹﾙ(Ⅱ)	52496-91-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) neodecanoate	ﾈｵﾃﾞｶﾝ酸ﾆｯｹﾙ(Ⅱ)	85508-44-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) neononanoate	ﾈｵﾉﾅﾝ酸ﾆｯｹﾙ(II)	93920-10-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) neoundecanoate	ﾈｵｳﾝﾃﾞｶﾝ酸ﾆｯｹﾙ(II)	93920-09-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) oleate	ｵﾚｲﾝ酸ﾆｯｹﾙ	13001-15-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) palmitate	ﾊﾟﾙﾐﾁﾝ酸ﾆｯｹﾙ(Ⅱ)	13654-40-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) selenite	ｾﾚﾝ酸ﾆｯｹﾙ(II)	10101-96-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) silicate	ｹｲ酸ﾆｯｹﾙ(Ⅱ)	21784-78-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) sulphite	硫化ﾆｯｹﾙ(Ⅱ)	7757-95-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) trifluoroacetate	ﾄﾘﾌﾙｵﾛ酢酸ﾆｯｹﾙ(Ⅱ)	16083-14-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+), bis(1,2-ethanediamine-N,N')-, bis[bis(cyano-C)aurate(1-)]	ﾋﾞｽ(1, 2-ｴﾀﾝｼﾞｱﾐﾝ-N,N') ﾆｯｹﾙ(2+).ﾋﾞｽ[ﾋﾞｽ(ｼｱﾉ-C) 金酸塩(1-)]	68958-89-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+), bis(1,2-ethanediamine-N,N')-, salt with dimethylbenzenesulfonic acid (1:2)	ﾋﾞｽ(1, 2-ｴﾀﾝｼﾞｱﾐﾝ-N,N') ﾆｯｹﾙ(2+)塩ﾄｼﾞﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(1:2)	71215-98-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+), bis(1,2-propanediamine)-, bis[dicyanoaurate(1-)]	ﾋﾞｽ(1, 2-ﾌﾟﾛﾊﾟﾝｼﾞｱﾐﾝ) ﾆｯｹﾙ(2+), ﾋﾞｽ[ｼﾞｼｱﾛ金酸塩(1-)]	18972-69-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+), bis(ethylenediamine)-, sulfate (1:1)	ﾋﾞｽｴﾁﾚﾝｼﾞｱﾐﾝﾆｯｹﾙ(Ⅱ) 硫酸(1:1)	21264-77-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+), hexakis(1H-imidazole-N3)-, (OC-6-11)-, 1,2-benzenedicarboxylate (1:1)	ﾆｯｹﾙ(Ⅱ), ﾍｷｻｷｽ(1H-ｲﾐﾀﾞｿﾞｰﾙ-N3)-,(OC-6-11)-, 1, 2-ｼﾞｶﾙﾎﾞｷｼﾙ酸ﾍﾝｾﾞﾝ(1:1)	108818-89-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel(2+), tris(1,2-ethanediamine-N,N')-, (OC-6-11)-, salt with dimethylbenzenesulfonic acid (1:2)	ﾄﾘｽ(1, 2-ｴﾀﾝｼﾞｱﾐﾝ-N,N') ﾆｯｹﾙ(2+)塩ﾄｼﾞﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(1:2)	71215-97-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, bis[tetrafluoroborate(1-)]	ﾄﾘｽ(4, 7-ｼﾞﾌｪﾆﾙ-1, 10-ﾌｪﾅﾝｽﾛﾘﾝ-N1,N10) ﾆｯｹﾙ(Ⅱ)-(OC-6-11) -､ﾋﾞｽ[ﾃﾄﾗﾌﾙｵﾛﾎｳ酸(1-)]	68309-97-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, dinitrate	ﾄﾘｽ(4, 7-ｼﾞﾌｪﾆﾙ-1, 10-ﾌｪﾅﾝﾄﾘﾝ-N1,N10)ﾆｯｹﾙ(Ⅱ)二硝酸(炭素数6-11)	38780-90-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2++), hexaammine-, (OC-6-11)-, carbonate (1:1)	ﾍｷｻｱﾝﾐﾆｯｹﾙ(2+)炭酸(1:1)	67806-76-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2++), hexaammine-, dihydroxide, (OC-6-11)-	ﾍｷｻﾞﾐﾝﾆｯｹﾙ(Ⅱ)二水和物	51467-07-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(II) acetate	酢酸ﾆｯｹﾙ(Ⅱ)	373-02-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(II) chloride	塩化ﾆｯｹﾙ	7718-54-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●													●	
Nickel(II) chloride hexahydrate (1:2:6)	塩化ﾆｯｹﾙ六水和物	7791-20-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●															●	
Nickel(II) fluoborate	ﾃﾄﾗﾌﾙｵﾛﾎｳ酸ﾆｯｹﾙ(Ⅱ)	14708-14-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(II) fumarate	ﾌﾏﾙ酸ﾆｯｹﾙ(Ⅱ)	6283-67-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(II) iodide	ﾖｳ化ﾆｯｹﾙ(Ⅱ)	13462-90-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(II) isodecanoate	ｲｿﾃﾞｶﾝ酸ﾆｯｹﾙ(Ⅱ)	85508-43-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(II) isooctanoate	ｲｿｵｸﾀﾝ酸ﾆｯｹﾙ(Ⅱ)	29317-63-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(II) nitrate, hexahydrate (1:2:6)	硝酸ﾆｯｹﾙ(Ⅱ)六水和物	13478-00-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Nickel(II) sulfate hexahydrate (1:1:6)	硫酸ﾆｯｹﾙ(Ⅱ)六水和物	10101-97-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●															●	
Nickel, (2-ethylhexanoato-O)(trifluoroacetato-O)-	(2-ｴﾁﾙﾍｷｻﾉｱﾄ-O)(ﾄﾘﾌﾙｵﾛ酢酸-O)ﾆｯｹﾙ	70776-98-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, (2-propanol)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]-	[[2,2'-ﾁｵﾋﾞｽ[4-(1,1,3, 3-ﾃﾄﾗﾒﾁﾙﾌﾞﾁﾙ)ﾌｪﾉｰﾙ]](2-)-O,O',S] ｲｿﾌﾟﾛﾋﾟﾙｱﾙｺｰﾙﾆｯｹﾙ	67763-27-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, (carbonato(2-))tetrahydroxytri-, tetrahydrate	塩基性炭酸ﾆｯｹﾙ(II) ･四水和物	39430-27-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [(2-amino-2-oxoethoxy)acetato(2-)]-	[(2-ｱﾐﾉ-2-ｵｷｿｴﾄｷｼ)酢酸(2-)] ﾆｯｹﾙ	68133-84-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [.mu.-(piperazine-N1:N4)]bis[3-[1-[(4,5,6,7-tetrachloro-1-oxo-1H-isoindol-3-yl)hydrazono]ethyl]-2,4(1H,3H)-quinolinedionato(2-)]di-	[.μ-(ﾋﾟﾍﾟﾗｼﾞﾝ-N1:N4)] ﾋﾞｽ[3-[1-[(4,5,6,7-ﾃﾄﾗｸﾛﾛ-1-ｵｷｿ-1H -ｲｿｲﾝﾄﾞｰﾙ-3-ｲﾙ) ﾋﾄﾞﾗｿﾞﾉ] ｴﾁﾙ]-2,4(1H,3H) -ｷﾉﾘﾝｼﾞｵﾄ(2-)] 二ﾆｯｹﾙ	71889-22-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [[1,1'-[1,2-phenylenebis(nitrilomethylidyne)]bis[2-naphthalenolato]](2-)-N,N',O,O']-, (SP-4-2)-	[[1,1'-[1,2-ﾌｪﾆﾚﾝﾋﾞｽ(ﾆﾄﾘﾛﾒﾁﾘﾃﾞﾝ)))]ﾋﾞｽ[2-ﾅﾌﾁﾚﾝ酸]](2-)-N,N',O,O ']ﾆｯｹﾙ	20437-10-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [[2,2'-[methylenebis(thio)]bis[acetato]](2-)]-	[[2,2'-[ﾒﾁﾚﾝﾋﾞｽ(ﾁｵ)]ﾋﾞｽ[酢酸]](2-)]ﾆｯｹﾙ	71215-73-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [[2,2'-sulfonylbis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O1,O1',O2]-	[2,2' -ｽﾙﾌｫﾆﾙﾋﾞｽ[4-(1,1,3, 3-ﾃﾄﾗﾒﾁﾙﾌﾞﾁﾙ)ﾌｪﾉﾗﾄ]]ﾆｯｹﾙ	16432-37-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]-	[[2,2' -ﾁｵﾋﾞｽ[4-(1,1,3, 3-ﾃﾄﾗﾒﾁﾙﾌﾞﾁﾙ)ﾌｪﾉﾗﾄ]] ﾆｯｹﾙ	27574-34-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [1,3-dihydro-5,6-bis[[(2-hydroxy-1-naphthalenyl)methylene]amino]-2H-benzimidazol-2-onato(2-)-N5,N6,O5,O6]-, (SP-4-2)-	[1, 3-ｼﾞﾋﾄﾞﾛ-5, 6-ﾋﾞｽ[[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ)ﾒﾁﾚﾝ]ｱﾐﾉ]-2H -ﾍﾞﾝｽﾞｲﾐﾀﾞｿﾞｰﾙ-2-ｵﾄ(2-)]-ﾆｯｹﾙ	42844-93-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-	ﾆｯｹﾙﾌﾀﾛｼｱﾆﾝ	14055-02-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl sulfo derivitives, sodium salts	[29H,31H -ﾌﾀﾛｼｱﾆﾝ酸(2-)-N29,N30,N31,N32]-, [[3-[(5-ｸﾛﾛ-2, 6-ｼﾞﾌﾙｵﾛ-4-ﾋﾟﾘﾐｼﾞﾙ)ｱﾐﾉ] ﾌｪﾆﾙ] ｱﾐﾉ]ｽﾙﾎﾆﾙｽﾙﾎ誘導体、ﾆｯｹﾙﾅﾄﾘｳﾑ塩	90459-35-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivitives, reaction products with 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium sodium salts, compounds with pyridine	ﾋﾟﾘｼﾞﾝ合成のための2-[(4-ｱﾐﾉﾌｪﾆﾙ) ｽﾙﾎﾆﾙ] ｴﾁﾙ硫酸水素ﾅﾄﾘｳﾑ塩、ｶﾘｳﾑﾅﾄﾘｳﾑ塩による反応生成物である[29H,31H -ﾌﾀﾛｼｱﾆﾝ酸(2-)-N29,N30,N31,N32] ﾆｯｹﾙｸﾛﾛｽﾙﾎﾆﾙ誘導体	93573-17-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel, [29H,31H-phthalocyanine-C,C,C,C-tetrasulfonyl tetrachloridato(2)-N29,N30,N31,N32]-	[29H,31H -ﾌﾀﾛｼｱﾆﾝ-C,C,C, C-ﾃﾄﾗｽﾙﾎﾆﾙﾃﾄﾗｸﾛﾘﾀﾞﾄ(Ⅱ)-N29,N30,N31,N32]ﾆｯｹﾙ	28680-76-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [2-hydroxybenzoic acid [3-[1-cyano-2-(methylamino)-2-oxoethylidene]-2,3-dihydro-1H-isoindol-1-ylidene]hydrazidato(2-)]-	[2-ﾋﾄﾞﾛｷｼﾍﾞﾝｿﾞｴ酸[3-[1-ｼｱﾉ-2-(ﾒﾁﾙｱﾐﾉ) -2-ｵｷｿｲｿﾘｼﾞﾝ]-2, 3-ｼﾞﾋﾄﾞﾛ-1H -ｲｿｲﾝﾄﾞｰﾙ-1-ｲﾘﾃﾞﾝ] ﾋﾄﾞﾗｼﾞﾀﾞﾄ(2-)]ﾆｯｹﾙ	85958-80-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [carbonato(2-)]hexahydroxytetra-	ﾍｷｻﾋﾄﾞﾛｷｼﾃﾄﾗｶﾙﾎﾞﾝ酸(2-)ﾆｯｹﾙ	12334-31-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [N-(4-chlorophenyl)-2-[3-[[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]methylene]hydrazino]-1H-isoindol-1-ylidene]-2-cyanoacetamidato(2-)]-	[N-(4-ｸﾛﾛﾌｪﾆﾙ)-2-[3-[[[1-(4-ｸﾛﾛﾌｪﾆﾙ)-4,5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ﾒﾁﾚﾝ] ﾋﾄﾞﾗｼﾞﾉ]-1H -ｲｿｲﾝﾄﾞｰﾙ-1-ｲﾘｼﾞﾝ] -2-ｼｱﾉｱｾﾄｱﾐﾄﾞﾀﾞﾄ(2-)] ﾆｯｹﾙ	71889-20-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [N-(carboxymethyl)glycinato(2-)-N,O,ON]-	[N -ｶﾙﾎﾞｷｼﾒﾁﾙｸﾞﾘｼﾝ酸(2-)-NOON-]ﾆｯｹﾙ	13869-33-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [N,N',N'',N'''-tetrakis[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C,C-tetrasulfonamidato(2-)-N29,N30,N31,N32]-	[N,N',N'',N'''-ﾃﾄﾗｷｽ[4-(4,5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ) ﾌｪﾆﾙ]-29H,31H-ﾌﾀﾛｼｱﾆﾝ-C,C,C, C-ﾃﾄﾗｽﾙﾎﾝ酸ｱﾐﾄﾞ(2-)-N29,N30,N31,N32] ﾆｯｹﾙ	72986-45-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [N,N',N''-tris[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C-trisulfonamidato(2-)-N29,N30,N31,N32]-	[N,N',N''-ﾄﾘｽ[4-(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞｰﾙ-1-ｲﾙ) ﾌｪﾆﾙ]-29H,31H -ﾌﾀﾛｼｱﾆﾝ-C,C, C-ﾄﾘｽﾙﾎﾝ酸ｱﾐﾀﾞﾄ(2-)-N29,N30,N31,N32] ﾆｯｹﾙ	72252-57-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, 2,2'-thiobis[4-nonylphenol] complexes	2,2' -ﾁｵﾋﾞｽ[4-ﾉﾆﾙﾌｪﾉｰﾙ] ﾆｯｹﾙ複合体	85480-75-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, acetate carbonate C8-10-branched fatty acids C9-11-neofatty acids complexes	酢酸ｶﾙﾎﾞﾝ酸、分岐型脂肪酸(炭素数C8-10)、分岐型新脂肪酸(炭素数C9-11)混合物中のﾆｯｹﾙ	90459-30-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, acetylacetone 6-methyl-2,4-heptanedione complexes	ｱｾﾁﾙｱｾﾄﾝ、6-ﾒﾁﾙ-2, 4-ﾍﾌﾟﾀﾝｼﾞｵﾝ混合物中のﾆｯｹﾙ	90459-34-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, aqua[2-[(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl)azo]benzoato(2-)]-	[2-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1H -ﾋﾟﾗｿﾞﾙ-4-ｲﾙ) ｱｿﾞ] 安息香酸(2-)] 水溶性ﾆｯｹﾙ	106316-55-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis(2,4-pentanedionato-O,O')-, (SP-4-1)-	ﾋﾞｽｱｾﾁﾙｱｾﾄﾅﾄﾆｯｹﾙ(Ⅱ)	3264-82-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis(2-heptadecyl-1H-imidazole-N3)bis(octanoato-O)-	ﾋﾞｽ(2-ﾍﾌﾟﾀﾃﾞｼﾙ-1H -ｲﾐﾀﾞｿﾞｰﾙ-N 3)ﾋﾞｽ(ｵｸﾀﾝ酸-O) ﾆｯｹﾙ	68912-08-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis(3-amino-4,5,6,7-tetrachloro-1H-isoindol-1-one oximato-N2,O1)-	ﾋﾞｽ(3-ｱﾐﾉ-4,5,6, 7-ﾃﾄﾗｸﾛﾛ-1H -ｲｿｲﾝﾄﾞｰﾙ-1-ｵﾝｵｷｼﾏﾄ)ﾆｯｹﾙ	70833-37-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis(dibutylcarbamodithioato-S,S')-, (SP-4-1)-	ｼﾞﾌﾞﾁﾙｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸ﾆｯｹﾙ	13927-77-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis(diethylcarbamodithioato-S,S')-, (SP-4-1)-	ﾋﾞｽ(ｼﾞｴﾁﾙｶﾙﾊﾞﾓｼﾞﾁｵｱﾄ)ﾆｯｹﾙ	14267-17-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis(diisononylcarbamodithioato-,')-	ﾋﾞｽ(ｼﾞｲｿﾉﾆﾙｶﾙﾊﾞﾓｼﾞﾁｵｱﾄ)ﾆｯｹﾙ	85298-61-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis(dipentylcarbamodithioato-S,S')-, (SP-4-1)-	ﾋﾞｽ(ｼﾞﾍﾟﾝﾁﾙｶﾙﾊﾞｼﾞﾁｵｰS,S') ﾆｯｹﾙ	36259-37-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis(phenyldiazenecarbothioic acid 2-phenylhydrazidato)-	ﾋﾞｽ(ﾌｪﾆﾙｼﾞｱｾﾝｶﾙﾎﾞﾁｵｲｯｸ酸、2-ﾌｪﾆﾙﾋﾄﾞﾗｼﾞﾝ)ﾆｯｹﾙ	36545-21-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Nickel, bis[(2-hydroxy-4-octylphenyl)phenylmethanonato-O,O']-	ﾋﾞｽ[(2-ﾋﾄﾞﾛｷｼ-4-ｵｸﾁﾙﾌｪﾆﾙ) ﾌｪﾆﾙﾒﾀﾝ酸-O,O'] ﾆｯｹﾙ	68189-15-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis[(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-	ﾋﾞｽ[(ｼｱﾉ-C) ﾄﾘﾌｪﾆﾙﾎｳ酸(1-)-N] ﾋﾞｽ(ｼﾞﾆﾄﾘﾙﾍｷｻﾝ-N,N ')ﾆｯｹﾙ	83864-02-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis[[didecyl (1,2-dicyano-1,2-ethenediyl)bis[carbamato]](2-)]-	ﾋﾞｽ[[ｼﾞﾃﾞｼﾙ-(1,2-ｼﾞｼｱﾉ-1,2-ｴﾃﾆﾚﾝ)ﾋﾞｽ[ｶﾙﾊﾞﾒｰﾄ]](2-)]ﾆｯｹﾙ	77245-35-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis[1,2-bis(4-methoxyphenyl)-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-	ﾋﾞｽ[1, 2-ﾋﾞｽ(4-ﾒﾄｷｼﾌｪﾆﾙ)-1, 2-ｴﾃﾝｼﾞﾁｵﾗﾄ(2-)-S,S'] ﾆｯｹﾙ	38951-97-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis[1,2-diphenyl-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-	ﾋﾞｽ[1, 2-ｼﾞﾌｪﾆﾙ-1, 2-ｴﾀﾝｼﾞﾁｵﾗﾄ(2-)-S,S']ﾆｯｹﾙ	28984-20-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis[1-[4-(diethylamino)phenyl]-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-	ﾋﾞｽ[1-[4-(ｼﾞｴﾁﾙｱﾐﾉ) ﾌｪﾆﾙ] -2-ﾌｪﾆﾙ-1, 2-ｴﾃﾝｼﾞﾁｵﾗﾄ(2-)-S,S'] ﾆｯｹﾙ	51449-18-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis[1-[4-(dimethylamino)phenyl]-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-	ﾋﾞｽ[1-[4-(ｼﾞﾒﾁﾙｱﾐﾉ) ﾌｪﾆﾙ] -2-ﾌｪﾆﾙ-1,2-ｴﾃﾝｼﾞﾁｵﾗﾄ(2-)-S,S'] ﾆｯｹﾙ	38465-55-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, bis[2,3-bis(hydroxyimino)-N-(2-methoxyphenyl)butanamidato]-	ﾋﾞｽ[2, 3-ﾋﾞｽ(ﾋﾄﾞﾛｷｼｲﾐﾉ)-N-(2-ﾒﾄｷｼﾌｪﾆﾙ) ﾌﾞﾀﾝｱﾐﾄﾞ] ﾆｯｹﾙ	42739-61-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel, bis[2,3-bis(hydroxyimino)-N-phenylbutanamidato-N2,N3]-	ﾋﾞｽ[2, 3-ﾋﾞｽ(ﾋﾄﾞﾛｷｼｲﾐﾉ)-N -ﾌｪﾆﾙﾌﾞﾐﾉﾌﾟﾀﾝ-N2,N3] ﾆｯｹﾙ	29204-84-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, bis[2,4-dihydro-5-methyl-4-(1-oxodecyl)-2-phenyl-3H-pyrazol-3-onato-O,O']-	ﾋﾞｽ[2, 4-ｼﾞﾋﾄﾞﾛ-5-ﾒﾁﾙ-4-(1-ｵｷｿﾃﾞｼﾙ) -2-ﾌｪﾆﾙ-3H -ﾋﾟﾗｿﾞｰﾙ-3-ｵﾄﾝ-O,O'] ﾆｯｹﾙ	56557-00-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, bis[2-butene-2,3-dithiolato(2-)-S,S']-, (SP-4-1)-	ﾋﾞｽ[2-ﾌﾞﾃﾝ-2, 3-ｼﾞﾁｵﾗﾄ(2-)-S,S'] ﾆｯｹﾙ	38951-94-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, bis[3-[(4-chlorophenyl)azo]-2,4(1H,3H)-quinolinedionato]-	ﾋﾞｽ[3-[(4-ｸﾛﾛﾌｪﾆﾙ) ｱｿﾞ]-2,4(1H,3H)-ｷﾉﾘﾝｼﾞｵﾄﾝ ﾆｯｹﾙ	51931-46-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, bis[bis(2-methylpropyl)carbamodithioato-S,S']-, (SP-4-1)-	ﾋﾞｽ[ﾋﾞｽ(2-ﾒﾁﾙﾌﾟﾛﾋﾟﾙ)ｶﾙﾊﾞﾓｼﾞﾁｵｱﾄ]ﾆｯｹﾙ	15317-78-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, bis[N-hydroxy-3-(hydroxyimino)-N'-(2-methoxyphenyl)butanimidamidato-N',N3]-	ﾋﾞｽ[N -ﾋﾄﾞﾛｷｼ-3-(ﾋﾄﾞﾛｷｼｱﾐﾉ)-N'-(2-ﾒﾄｷｼﾌｪﾆﾙ)ﾌﾞﾀﾝｲﾐﾄﾞｱﾐﾀﾞﾄ-N',N3]ﾆｯｹﾙ	71605-83-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, borate C8-10-branched carboxylate complexes	ﾎｳ酸、分岐型ｶﾙﾎﾞﾝ酸(炭素数C8-10)混合物中のﾆｯｹﾙ	90459-31-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, borate neodecanoate complexes	ﾎｳ酸、ﾈｵﾃﾞｶﾝ酸混合物中のﾆｯｹﾙ	92502-55-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, C4-10 fatty acids naphthenate complexes	脂肪酸(炭素数C4-10)、ﾅﾌﾃﾝ酸混合物中のﾆｯｹﾙ	93573-15-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, C4-10 fatty acids octanoate complexes	脂肪酸(炭素数C4-10)、ｵｸﾀﾝ酸混合物中のﾆｯｹﾙ	93573-16-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, C5-23-branched carboxylate C4-10 fatty acids complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数C5-23)、脂肪酸(炭素数C4-10) 混合物中のﾆｯｹﾙ	93762-59-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, C5-23-branched carboxylate C4-10-fatty acids naphthenate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数C5-23)、脂肪酸(炭素数C4-10)、ﾅﾌﾃﾝ酸混合物中のﾆｯｹﾙ	93573-14-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, C5-23-branched carboxylate naphthenate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数C5-23)、ﾅﾌﾃﾝ酸混合物中のﾆｯｹﾙ	92200-98-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, C5-25-branched carboxylate naphthenate octanoate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数C5-25)、ﾅﾌﾃﾝ酸、ｵｸﾀﾝ酸混合物中のﾆｯｹﾙ	92200-99-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, C5-C23-branched carboxylate octanoate complexes	分岐型ｶﾙﾎﾞﾝ酸(炭素数C5-23)、ｵｸﾀﾝ酸混合物中のﾆｯｹﾙ	90459-32-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, compound with niobium (1:1)	ﾆｯｹﾙ-ﾆｵﾌﾞ化合物(1:1)	12034-55-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, compound with tin (3:1)	ﾆｯｹﾙ-ｽｽﾞ化合物(3:1)	12059-23-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, compound with zirconium (1:2)	ﾆｯｹﾙ-ｼﾞﾙｺﾆｳﾑ化合物(1:2)	12142-92-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, isodecanoate naphthenate complexes	ｲｿﾃﾞｶﾝ酸ﾅﾌﾃﾝ酸の混合物中のﾆｯｹﾙ	85585-97-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, isononanoate naphthenate complexes	ｲｿﾉﾅﾝ酸ﾅﾌﾃﾝ酸の混合物中のﾆｯｹﾙ	85585-98-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, isooctanoate naphthenate complexes	ｲｿｵｸﾀﾝ酸、ﾅﾌﾃﾝ酸混合物中のﾆｯｹﾙ	90459-33-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, naphthenate neodecanoate complexes	ﾅﾌﾃﾝ酸ﾈｵﾃﾞｶﾝ酸の混合物中のﾆｯｹﾙ	85585-99-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, tetrakis(triphenyl phosphite-P)-, (T-4)-	ﾃﾄﾗｷｽﾘﾝ酸ﾄﾘﾌｪﾆﾙﾆｯｹﾙ	14221-00-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel,[6,8,16,18-tetrachloro-1,11-bis(2-furanylmethyl)-1,10,11, 20-tetrahydrodibenzo[c,j]dipyrazolo[3,4-f:3',4'-m][1,2,5,8,9,12] hexaazacyclotetradecinato(2-)-	[6,8,16, 18-ﾃﾄﾗｸﾛﾛ-1, 11-ﾋﾞｽ(2-ﾌﾗﾆﾙﾒﾁﾙ)-1,10,11, 20-ﾃﾄﾗﾋﾄﾞﾛｼﾞﾍﾞﾝｿﾞ[c,j] ｼﾞﾋﾟﾗｿﾞﾛ[3,4-f:3',4'-m][1,2,5,8,9,12] ﾍｷｻｻｲｸﾛﾃﾄﾗﾃﾞｼﾝ酸(2-)-N5,N10,N15,N20]ﾆｯｹﾙ	79745-01-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickelate(1-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, potassium, (OC-6-21)-	[[N,N'-1, 2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ[N-(ｶﾙﾎﾞｷｼﾒﾁﾙ)ｸﾞﾘｼﾝ酸]](4-)-N,N',O,O',ON,ON ']ﾆｯｹﾙ酸(1-)ｶﾘｳﾑ	67906-12-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickelate(1-), [3,4-bis[[(2-hydroxy-1-naphthalenyl)methylene]amino]benzoato(3-)-N3,N4,O3,O4]-, hydrogen	[3, 4-ﾋﾞｽ[[(2-ﾋﾄﾞﾛｷｼ-1-ﾅﾌﾁﾚﾆﾙ) ﾒﾁﾚﾝ] ｱﾐﾉ]安息香酸(3-)-N3,N4,O3,O4] ﾆｯｹﾙ酸(1-)水素	61300-98-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickelate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']-, hydrogen, (T-4)-	[N,N-ﾋﾞｽ(ｶﾙﾎﾞｷｼﾒﾁﾙ)ｸﾞﾘｼﾝ酸(3-)-N,O,O',O''] ﾆｯｹﾙ酸(1-)水素	34831-03-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickelate(1-), trichloro-, ammonium	ﾄﾘｸﾛﾛﾆｯｹﾙ(1-)ｱﾝﾓﾆｳﾑ	24640-21-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, dihydrogen, (OC-6-	[(ｴﾁﾚﾝｼﾞｱﾐﾉ)ﾃﾄﾗｱｾﾃｰﾄ]ﾆｯｹﾙ酸(2-)二水素	25481-21-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(3-), [22-[[[3-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(5-)-N29,N30,N31,N32]-,	[22-[[[3-[(5-ｸﾛﾛ-2, 6-ｼﾞﾌﾙｵﾛ-4-ﾋﾟﾘﾐｼﾞﾆﾙ) ｱﾐﾉ] ﾌｪﾆﾙ]ｱﾐﾉ]ｽﾙﾎﾆﾙ]-29H,31H -ﾌﾀﾛｼｱﾆﾝ-1,8, 15-ﾄﾘｽﾙﾎﾝ酸(5-)-N29,N30,N31,N32] ﾆｯｹﾙ酸(3-)三ﾅﾄﾘｳﾑ	71243-96-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(3-), [5-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-3-[(2-hydroxy-3-nitro-5-sulfophenyl)azo]-2,7-naphthalenedisulfonato(5-)]-, trisodium	[5-[(4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-ﾌｪﾆﾙ-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] -4-ﾋﾄﾞﾛｷｼ-3-[(2-ﾋﾄﾞﾛｷｼ-3-ﾆﾄﾛ-5-ｽﾙﾎﾌｪﾆﾙ) ｱｿﾞ]-2,7-ﾅﾌﾀﾚﾝｼﾞｽﾙﾎﾝ酸(5-)] ﾆｯｹﾙ酸(3-)三ﾅﾄﾘｳﾑ	79817-91-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(3-), [C-[[[3-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]phenyl]amino]sulfonyl]-C,C,C-tris(aminosulfonyl)-29H,31H-phthalocyanine-C,C,C-trisulfonato(5-)-N29,N30,N31,N32]-, trisodium	[C-[[[3-[(4-ｱﾐﾉ-6-ｸﾛﾛ-1,3, 5-ﾄﾘｱｼﾞﾝ-2-ｲﾙ) ｱﾐﾉ] ﾌｪﾆﾙ]ｱﾐﾉ]ｽﾙﾎﾆﾙ]-C,C, C-ﾄﾘｽ(ｱﾐﾉｽﾙﾎﾆﾙ)-29H,31H -ﾌﾀﾛｼｱﾆﾝ-C,C, C-ﾄﾘｽﾙﾎﾝ酸(5-)-N29,N30,N31,N32] ﾆｯｹﾙ酸(3)三ﾅﾄﾘｳﾑ	72229-81-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)]-, triammonium, (T-4)-	[N,N -ﾋﾞｽ(ﾎｽﾎﾝ酸ﾒﾁﾙ) ｸﾞﾘｼﾝ酸(5-)]ﾆｯｹﾙ酸(3-)三ｱﾝﾓﾆｳﾑ	68025-40-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)]-, tripotassium, (T-4)-	[N,N -ﾋﾞｽ(ﾎｽﾎﾝ酸ﾒﾁﾙ) ｸﾞﾘｼﾝ酸(5-)]ﾆｯｹﾙ酸(3-)三ｶﾘｳﾑ	63597-34-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)]-, trisodium,(T-4)-	[N,N -ﾋﾞｽ(ﾎｽﾎﾝ酸ﾒﾁﾙ) ｸﾞﾘｼﾝ酸(5-)]ﾆｯｹﾙ酸(3-)三ﾅﾄﾘｳﾑ	68025-41-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(4-), [[[nitrilotris(methylene)]tris[phosphonato]](6-)-N,OP,OP',OP'']-, tetrapotassium, (T-4)-	[[[ﾆﾄﾘﾛﾄﾘｽ(ﾒﾁﾚﾝ)]ﾄﾘｽ[ﾎｽﾎﾝ酸]](6-)-N,OP,OP',OP''] ﾆｯｹﾙ酸(4-)四ｶﾘｳﾑ	63588-33-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(4-), [[[nitrilotris(methylene)]tris[phosphonato]](6-)-N,OP,OP',OP'']-, tetrasodium, (T-4)-	[[[ﾆﾄﾘﾛﾄﾘｽ(ﾒﾁﾚﾝ)]ﾄﾘｽ[ﾎｽﾎﾝ酸]](6-)-N,OP,OP',OP''] ﾆｯｹﾙ酸(4-)四ﾅﾄﾘｳﾑ	68052-00-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(4-), [[[nitrilotris(methylene)]tris[phosphonato]](6-)-N,OP,OP',OP'']-, triammonium hydrogen, (T-4)-	[[[ﾆﾄﾘﾛﾄﾘｽ(ﾒﾁﾚﾝ)]ﾄﾘｽ[ﾎｽﾎﾝ酸]](6-)-N,OP,OP',OP''] ﾆｯｹﾙ酸(4-)四ｱﾝﾓﾆｳﾑ一水素	67968-22-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(4-), [22-[[(4-sulfophenyl)amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(6-)-N29,N30,N31,N32]-, tetrahydrogen, (SP-4-2)-	[22-[[(4-ｽﾙﾎﾆﾙ)ｱﾐﾉ]ｽﾙﾎﾆﾙ]-29H,31H -ﾌﾀﾛｼｱﾆﾝ-1,8, 15-ﾄﾘｽﾙﾎﾝ酸(6-)-N29,N30,N31,N32] ﾆｯｹﾙ酸(4-)四水素	70729-79-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(4-), [bis[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]-1H-pyrazol-4-yl]azo]phenyl]amino]sulfonyl]-29H,31H-phthalocyaninedisulfonato(6-)-N29,N30,N31,N32]-, sodium	[ﾋﾞｽ[[[3-[[4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-[4-[[2-(ｽﾙﾎｵｷｼ) ｴﾁﾙ] ｽﾙﾎﾆﾙ]ﾌｪﾆﾙ]-1H -ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ) ｱｿﾞ] ﾌｪﾆﾙ] ｱﾐﾉ] ｽﾙﾎﾆﾙ]-29H,31H -ﾌﾀﾛｼｱﾆﾝｼﾞｽﾙﾎﾝ酸(6-)-N29,N30,N31,N32] ﾆｯｹﾙ酸(4-)ﾅﾄﾘｳﾑ	90459-36-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(6-), [4-[[5-[[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulfophenyl]azo]-4,5-dihydro-5-oxo-1-[2-sulfo-5-[[(trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]phenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexasodium	[4-[[5-[[(3, 6-ｼﾞｸﾛﾛ-4-ﾋﾟﾘﾀﾞｼﾞﾆﾙ) ｶﾙﾎﾞﾆﾙ] ｱﾐﾉ] -2-ｽﾙﾎﾌｪﾆﾙ] ｱｿﾞ]-4, 5-ｼﾞﾋﾄﾞﾛ-5-ｵｷｿ-1-[2-ｽﾙﾎ-5-[[(ﾄﾘｽﾙﾎ-29H,31H -ﾌﾀﾛｼｱﾆﾝﾙ) ｽﾙﾎﾆﾙ] ｱﾐﾉ]ﾌｪﾆﾙ]-1H-ﾋﾟﾗｿﾞｰﾙ-3-ｶﾙﾎﾞﾝ酸(8-)-N29,N30,N31,N32]ﾆｯｹﾙ酸(6-)六ﾅﾄﾘｳﾑ	93891-86-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(6-), [4-[[5-[[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulfophenyl]azo]-4,5-dihydro-5-oxo-1-[5-[[(trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]-2-sulfophenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexahydrogen	[4-[[5-[[(3, 6-ｼﾞｸﾛﾛ-4-ﾋﾟﾘﾀﾞｼﾞﾆﾙ) ｶﾙﾎﾞﾆﾙ] ｱﾐﾉ] -2-ｽﾙﾎﾌｪﾆﾙ] ｱｿﾞ]-4, 5-ｼﾞﾋﾄﾞﾛ-5-ｵｷｿ-1-[5-[[(ﾄﾘｽﾙﾎ-29H,31H -ﾌﾀﾛｼﾆﾆﾙ) ｽﾙﾎﾆﾙ] ｱﾐﾉ] -2-ｽﾙﾎﾆﾙ]-1H -ﾋﾟﾗｿﾞｰﾙ-3-ｶﾙﾎﾞﾝ酸(8-)-N29,N30,N31,N32] ﾆｯｹﾙ酸(6-)六水素	68698-80-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(6-), [C-[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[2-[2-sulfo-4-[(2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]azo]-4-sulfophenyl]amino]sulfonyl]-29H,31H-phthalocyanine-C,C,C-trisulfonato(8-)-N29,N30,N31,N32]-,	[C-[[[3-[[4, 5-ｼﾞﾋﾄﾞﾛ-3-ﾒﾁﾙ-5-ｵｷｿ-1-[3-ｽﾙﾎ-4-[2-[2-ｽﾙﾎ-4-[(2,5, 6-ﾄﾘｸﾛﾛ-4-ﾋﾟﾘｼﾞﾐﾆﾙ) ｱﾐﾉ] ﾌｪﾆﾙ] ｴﾃﾆﾙ]ﾌｪﾆﾙ]-1H-ﾋﾟﾗｿﾞｰﾙ-4-ｲﾙ] ｱｿﾞ] -4-ｽﾙﾎﾌｪﾆﾙ] ｱﾐﾉ] ｽﾙﾎﾆﾙ]-29H,31H -ﾌﾀﾛｼｱﾆﾝ-C,C, C-ﾄﾘｽﾙﾎﾝ酸(8-)-N29,N30,N31,N32] ﾆｯｹﾙ酸(6-)六ﾅﾄﾘｳﾑ	72453-55-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(6-),[[[1,2-ethanediylbis[nitrilobis(methylene)]]tetrakis[phosphonato]](8-)], pentaammonium hydrogen,(OC-6-21)-	[[[1,2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ[ﾆﾄﾘﾛﾋﾞｽ(ﾒﾁﾚﾝ)]] ﾃﾄﾗｷｽ[ﾘﾝ酸]](8-)] ﾆｯｹﾙ酸(6-)五ｱﾝﾓﾆｳﾑ一水素	68958-86-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(6-),[[[1,2-ethanediylbis[nitrilobis(methylene)]]tetrakis[phosphonato]](8-)], pentapotassium hydrogen,(OC-6-21)-	[[[1,2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ[ﾆﾄﾘﾛﾋﾞｽ(ﾒﾁﾚﾝ)]] ﾃﾄﾗｷｽ[ﾘﾝ酸]](8-)] ﾆｯｹﾙ酸(6-)五ｶﾘｳﾑ一水素	68958-87-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(6-),[[[1,2-ethanediylbis[nitrilobis(methylene)]]tetrakis[phosphonato]](8-)], pentasodium hydrogen,(OC-6-21)-	[[[1,2-ｴﾀﾝｼﾞｲﾙﾋﾞｽ[ﾆﾄﾘﾛﾋﾞｽ(ﾒﾁﾚﾝ)]] ﾃﾄﾗｷｽ[ﾘﾝ酸]](8-)] ﾆｯｹﾙ酸(6-)五ﾅﾄﾘｳﾑ一水素	68958-88-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickelate(8-), bis[3-[(2-amino-8-hydroxy-6-sulfo-1-naphthalenyl)azo]-2-hydroxy-5-sulfobenzoato(5-)]-, hexasodium dihydrogen	ﾋﾞｽ[3-[(2-ｱﾐﾉ-8-ﾋﾄﾞﾛｷｼ-6-ｽﾙﾎ-1-ﾅﾌﾀﾚﾆﾙ) ｱｿﾞ] -2-ﾋﾄﾞﾛｷｼ-5-ﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸(5-)] ﾆｯｹﾙ酸(8-)六ﾅﾄﾘｳﾑ二水素	72139-08-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickelocene	ﾋﾞｽ(ｼｸﾛﾍﾟﾝﾀｼﾞｴﾆﾙ)ﾆｯｹﾙ(Ⅱ)	1271-28-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Octadecanoic acid, nickel(2+) salt	ｽﾃｱﾘﾝ酸ﾆｯｹﾙ(Ⅱ)	2223-95-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Octanoic acid, nickel(2+) salt	ｵｸﾀﾝ酸ﾆｯｹﾙ(Ⅱ)塩	4995-91-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Oxalic acid, nickel salt	ｼｭｳ酸ﾆｯｹﾙ(混合)	20543-06-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Perchloric acid, nickel(2+) salt, hexahydrate	過塩素酸ﾆｯｹﾙ(Ⅱ)六水和物	13520-61-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●													●	
Phosphonic acid, [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-, monoethyl ester, nickel(2+) salt (2:1)	O-ｴﾁﾙ-3, 5-ｼﾞ-t -ﾌﾞﾁﾙ-ﾋﾄﾞﾛｷｼﾍﾞﾝｼﾞﾙﾎｽﾌｫﾈｰﾄﾆｯｹﾙ塩ﾓﾉｴﾁﾙｴｽﾃﾙ	30947-30-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Phosphoric acid, calcium nickel salt	ﾘﾝ酸ｶﾙｼｳﾑﾆｯｹﾙ塩	17169-61-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Phosphoric acid, nickel(2+) salt (2:3)	ﾘﾝ酸ﾆｯｹﾙ	10381-36-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']nickelate(1-)	[N,N -ﾋﾞｽ(ｶﾙﾎﾞｷｼﾒﾁﾙ) ｸﾞﾘｼﾝ酸(3-)-N,O,O',O'']ﾆｯｹﾙ酸(1-) ｶﾘｳﾑ	63640-18-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Rammelsbergite (NiAs2)	ﾋ化ﾆｯｹﾙ(NiAs2)	1303-22-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Silicic acid (H2SiO3), nickel(2+) salt (4:3)	ｹｲ酸(H2SiO3) ﾆｯｹﾙ(Ⅱ) 塩(4:3)	31748-25-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Spinels, cobalt nickel zinc grey	尖晶石(ｺﾊﾞﾙﾄﾆｯｹﾙ亜鉛ｸﾞﾚｰ)	95046-47-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Sulfamic acid, nickel(2+) salt (2:1)	ｽﾙﾌｧﾐﾝ酸ﾆｯｹﾙ	13770-89-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Sulfuric acid, ammonium nickel(2+) salt	ﾋﾞｽ(硫酸)ﾆｯｹﾙ(Ⅱ)ｱﾝﾓﾆｳﾑ六水和物	7785-20-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Sulfuric acid, nickel salt, reaction products with sulfurized calcium phenolate	硫化ｶﾙｼｳﾑﾌｪﾉﾗｰﾄと反応した硫酸ﾆｯｹﾙ塩	72162-32-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Sulfuric acid, nickel(2+) salt (1:1), heptahydrate	硫酸ﾆｯｹﾙ七水和物	10101-98-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●															●	
Sulfuric acid, nickel(2+) salt (1:1), reaction products with nickel and nickel oxide (NiO)	ﾆｯｹﾙや酸化ﾆｯｹﾙと反応した硫酸ﾆｯｹﾙ(Ⅱ) 塩(1:1)	68585-48-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Telluric acid (H2TeO3), nickel(2+) salt (1:1)	ﾃﾙﾙ酸(H2TeO3) ﾆｯｹﾙ(Ⅱ) 塩(1:1)	15851-52-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Telluric acid (H2TeO4), nickel(2+) salt (1:1)	ﾃﾙﾙ酸(H2TeO4) ﾆｯｹﾙ(Ⅱ) 塩(1:1)	15852-21-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Tetrahydrogen [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-)	[[[(3-ｱﾐﾉ-4-ｽﾙﾎﾌｪﾆﾙ) ｱﾐﾉ] ｽﾙﾎﾆﾙ]-29H,31H -ﾌﾀﾛｼｱﾆﾝﾄﾘｽﾙﾎﾝ酸(6-)-N29,N30,N31,N32] ﾆｯｹﾙ酸(4-) 四水素	79102-62-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Tetrasodium [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-)	[[[(3-ｱﾐﾉ-4-ｽﾙﾎﾌｪﾆﾙ) ｱﾐﾉ] ｽﾙﾎﾆﾙ]-29H,31H -ﾌﾀﾛｼｱﾆﾝ三ｽﾙﾎﾝ酸(6-)-N29,N30,N31,N32] ﾆｯｹﾙ酸(4-) 四ﾅﾄﾘｳﾑ	93939-76-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Tetrasodium [bis[[[4-[[2-(sulphooxy)ethyl]sulphonyl]phenyl]amino]sulphonyl]-29H,31H-phthalocyaninedisulphonato(6)-N29,N30,N31,N32]nickelate(4-)	[ﾋﾞｽ[[[4-[[2-(ｽﾙﾎｵｷｼ)ｴﾁﾙ]ｽﾙﾎﾆﾙ]ﾌｪﾆﾙ] ｱﾐﾉ] ｽﾙﾎﾆﾙ]-29H,31H -ﾌﾀﾛｼｱﾆﾝｼﾞｽﾙﾎﾝ酸(6)-N29,N30,N31,N32]ﾆｯｹﾙ酸(4-) 四ﾅﾄﾘｳﾑ	97280-68-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Titanate(2-), hexafluoro-, nickel(2+), (1:1), (OC-6-11)-	ﾍｷｻﾌﾙｵﾛﾁﾀﾝ(2-)酸ﾆｯｹﾙ(Ⅱ)(1:1)(炭素数6-11)	34109-80-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Trinickel bis(arsenate)	ﾋ酸､ﾆｯｹﾙ	13477-70-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Aluminiummagnesiumnickelsiliziumoxide	ｱﾙﾐﾆｳﾑﾏｸﾞﾈｼｳﾑﾆｯｹﾙ珪素酸化物	198831-12-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Antimony nickel titanium oxide yellow	C.I.ﾋﾟｸﾞﾒﾝﾄｲｴﾛｰ53	8007-18-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●													●	
Iron nickel zinc oxide	鉄、ﾆｯｹﾙ、亜鉛の酸化物	12645-50-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [[2,2'-[1,2-phenylenebis[(nitrilo-.kappa.N)methylidyne]]bis[phenolato-.kappa.O]](2-)-		14406-71-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
5,5-Azobis(2,4,6-pyrimidinetriol), nickel complex	C.I.ﾋﾟｸﾞﾒﾝﾄｲｴﾛｰ150(ｱｿﾞﾆｯｹﾙ錯体染料)	68511-62-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Chrome iron nickel black spinel	C.I.ﾋﾟｸﾞﾒﾝﾄﾌﾞﾗｯｸ30(ｸﾛﾑ鉄ﾆｯｹﾙﾌﾞﾗｯｸｽﾋﾟﾈﾙ)	71631-15-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel niobium titanium yellow rutile	C.I.ﾋﾟｸﾞﾒﾝﾄｲｴﾛｰ161(ﾆｯｹﾙﾆｵﾋﾞｳﾑﾁﾀﾝｲｴﾛｰ)	68611-43-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●													●	
Nickel phosphate	ﾘﾝ酸ﾆｯｹﾙ	14396-43-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel sulfide	硫化ﾆｯｹﾙ	11113-75-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Phosphoric acid,compounds,nickel(2+) zinc salt (2:1:2)	ﾘﾝ酸ﾆｯｹﾙ亜鉛塩(2:1:2)	90053-13-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Phosphoric acid,compounds,nickel(2+) zinc salt (2:1:2) tetrahydrate	ﾘﾝ酸ﾆｯｹﾙ亜鉛(2:1:2) ･四水和物	501953-51-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Reaction mass of melamine and nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes		EC 939-379-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●																●	
Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.	銅､鉄､鉛ﾏｯﾄ(ｶﾗ)の残渣の非水溶性亜硫酸化合物	102110-49-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Silicic acid, lead nickel salt	ｹｲ酸鉛ﾆｯｹﾙ塩	68130-19-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Sulfamic acid, nickel(2+) salt (2:1), tetrahydrate (9CI)		124594-15-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, 3-[(4-chlorophenyl)azo]-4-hydroxy-2(1H)-quinolinone complex		61725-51-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium salts		94891-42-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, sodium salts		94891-43-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Copper, bis(8-quinolinolato-N1,O8)-, reaction products with C8-10-branched fatty acids, tert-decanoic acid, nickel(2+) diacetate, nickel(2+) carbonate (1:1) and nickel hydroxide (Ni(OH)2)		97660-42-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Waste solids, chromium-nickel steel manuf.		91082-81-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Waste solids, nickel-manuf.		91082-84-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Hexasodium (di-[N-(3-(4-[5-(5-amino-3-methyl-1-phenylpyrazol-4-yl-azo)-2,4-disulfo-anilino]-6-chloro-1,3,5-triazin-2-ylamino)phenyl)-sulfamoyl](di-sulfo)-phthalocyaninato)nickel		151436-99-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
dinickel(2+) sodium bis(3-carboxy-5-[(E)-2-(7-oxido-2,6-disulfonaphthalen-1-yl)diazen-1-yl]-1H-1,2,4-triazol-1-ide)		738587-10-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, compound with Titanium (1:1)		52013-44-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel, [29H,31H-phthalocyaninato(2-)-[?]N29,[?]N30,[?]N31,[?]N32]-, [[3-[(5-chloro-6-fluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl sulfo derivs., sodium salts		134737-17-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
nickel(2+) disodium 2,2',2'',2'''-(ethane-1,2-diyldinitrilo)tetraacetate		15708-55-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Citric acid, nickel salt	ｸｴﾝ酸､ﾆｯｹﾙ塩	22605-92-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel hexafluorosilicate		26043-11-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel hexafluorozirconate(2-)		30868-55-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Tetrakis(tritolyl phosphite)nickel		35884-66-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Silicic acid, nickel salt	ｹｲ酸、ﾆｯｹﾙ塩	37321-15-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
[2,3'-bis[[(2-hydroxyphenyl)methylene]amino]but-2-enedinitrilato(2-)-N2,N3,O2,O3]nickel		64696-98-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel uranyl tetraacetate, of uranium depleted in uranium-235		71767-12-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[(1,3-dioxobutyl)amino]phenyl]amino]sulfonyl derivs.		72828-53-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Molybdenum nickel hydroxide oxide phosphate	酸化ﾓﾘﾌﾞﾃﾞﾝ水酸化ﾆｯｹﾙ	68130-36-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Formic acid, copper nickel salt	ｷﾞ酸、銅ﾆｯｹﾙ塩	68134-59-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Cobalt nickel gray periclase	ｺﾊﾞﾙﾄﾆｯｹﾙｸﾞﾚｰﾍﾟﾘｸﾗｰｾﾞ; C.I. ﾋﾟｸﾞﾒﾝﾄﾌﾞﾗｯｸ25; C.I. 77332	68186-89-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel ferrite brown spinel		68187-10-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Resin acids and Rosin acids, nickel salts		68334-36-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs.		68412-18-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Zinc sulfide (ZnS), nickel and silver-doped		68512-22-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Olivine, nickel green		68515-84-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Zinc sulfide (ZnS), copper and nickel-doped		68585-93-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Resin acids and Rosin acids, calcium nickel salts		68607-31-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Hexaamminenickel(2+) diformate		68758-60-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Zinc sulfide (ZnS), copper and nickel and silver-doped		68784-84-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Slags, ferronickel-manufg.		69012-29-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Matte, nickel	ﾆｯｹﾙﾏｯﾄ	69012-50-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs., potassium sodium salts		113894-88-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickelate(6-), [4-[2-[5-[[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulfophenyl]diazenyl]-4,5-dihydro-5-oxo-1-[5-[[(C,C,C-trisulfo-29H,31H-phthalocyanin-C-yl)sulfonyl]amino]-2-sulfophenyl]-1H-pyrazole-3-carboxylato(8-)-κN29,κN30,κN31,κN32]-, sodium		113894-89-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel disulfide		12035-50-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel Sulfide (Ni9S8)		12035-77-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Polydymite (Ni3S4)		12059-21-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel sulfide (Ni2S)		12137-08-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel carbide (NiC)		12167-08-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Carbamic acid, ethylenebis(dithio-, nickel(II) salt		12275-13-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel oxide (Ni2O)		12359-17-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nickel sulfide (Ni7S6)		12503-53-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nitric acid, nickel(2+) salt, hydrate		13778-29-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel chloride(NiCl)		13931-83-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Sulfuric acid, nickel(2+) salt (1:1), monohydrate		14168-76-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickelate(2-), tetracyano-, dipotassium, hydrate		14323-41-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, bis(hexahydro-1H-azepine-1-carbodithioato-κS1,κS'1)-, (SP-4-1)-		14434-67-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Octadecanoic acid, nickel salt		14448-69-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nitric acid, nickel(3+) salt		15099-34-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickelate(1-), trichloro-, ammonium, hexahydrate		16122-03-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nitric acid, nickel(2+) salt, tetrahydrate		16456-84-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Carbonic acid, nickel(2+) salt (1:1), hexahydrate		17030-82-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel chloride (NiCl2), dihydrate		17638-48-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nitric acid, nickel(2+) salt, octahydrate		18534-07-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
2-[bis(carboxylatomethyl)amino]acetate;nickel(3+)		22965-60-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nitric acid, nickel(2+) salt, dihydrate		23232-50-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Antimony nickel titanium oxide		54576-53-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Sulfuric acid, nickel(2+) salt (1:1), tetrahydrate		61092-77-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Sulfuric acid, nickel(2+) salt (1:1), pentahydrate		66341-42-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Sulfuric acid, nickel(2+) salt (1:1), dihydrate		66634-47-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Godlevskite (Ni7S6)		66732-80-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel Sulfide (Ni4S)		67272-59-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, [(3-aminophenyl)amino]sulfonyl sulfo derivs.		68412-19-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, dextrin complexes		68412-20-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, [N-(4-chlorophenyl)-3-[2-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-(oxo-κO)-1H-pyrazol-4-yl]methylene]hydrazinylidene-κN2]-α-cyano-1H-isoindole-3-acetamidato(2-)-κN2,κO3]-		106887-33-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel Sulfide (Ni7S3)		84013-51-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Sulfuric acid, nickel(2+) salt (1:1), trihydrate		85017-75-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel Sulfide (Ni3S5), trihydrate		86498-45-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Fatty acids, (C=3-22), nickel salts, basic		91845-72-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel Sulfide (Ni5S3)		97599-06-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel Sulfide (Ni5S4)		97599-07-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel Sulfide (Ni5S6)		97599-08-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel Sulfide (Ni9S5)		98443-26-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickelate(1-), (formato-O)[sulfato(2-)-O]-, hydrogen		125275-86-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickelate(1-), (acetato-O)[sulfato(2-)-O]-, hydrogen		125275-87-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickelate(1-), [3-hydroxy-4-[(4-methyl-3-sulfophenyl)azo]-2-naphthalenecarboxylato(3-)]-, hydrogen		125378-87-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel sulfide (Ni(HS)2)		27911-69-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, tris(neodecanoato-.kappa.O)[.mu.3-[orthoborato(3-)-.kappa.O:.kappa.O':.kappa.O'']]tri-		936576-64-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel carbonate hydroxide (Ni5(CO3)2(OH)6)		12122-15-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel arsenide sulfide		12255-10-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel selenide (Ni3Se2)		12137-13-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Ammonium nickel sulfate ((NH4)2Ni2(SO4)3) (6CI,7CI)		25749-08-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel tartrate		10471-42-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Perchloric acid, nickel salt		41743-88-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickelate(Ni4O5)(1-), lithium		67163-62-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel(2+) hydrogen sulfate		44121-71-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel subarsenide		12255-80-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Acetohydroxamic acid, N-fluoren-2-yl-, nickel(2+) complex		14751-76-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Cinnamic acid, nickel(II) salt		63938-16-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickelate(2-), tetrakis(cyano-C)-, (SP-4-1)-		48042-08-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, [29H,31H-phthalocyaninato(2-)-[?]N29,[?]N30,[?]N31,[?]N32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs., sodium salts		131866-99-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Phosphinic acid, nickel(2+) salt, hexahydrate		13477-97-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, dichloro[1,1'-(1,3-propanediyl)bis[1,1-diphenylphosphine-[?]P]]-		15629-92-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Bunsenite (NiO)		34492-97-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel sulfide (millerite)		1314-04-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
nickel dilactate	ｼﾞﾗｸﾃｰﾄﾆｯｹﾙ	16039-61-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
nickel potassium fluoride	ﾌｯ化ﾆｯｹﾙｶﾘｳﾑ	11132-10-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
diammonium nickel hexacyanoferrate	ｼﾞｱﾝﾓﾆｳﾑﾆｯｹﾙﾍｷｻｼｱﾉ鉄	74195-78-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
trinickel tetrasulfide	ﾄﾘﾆｯｹﾙﾃﾄﾗｽﾙﾌｨﾄﾞ	12137-12-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
trinickel bis(arsenite)	ﾄﾘﾆｯｹﾙﾋﾞｽ(亜ヒ酸)	74646-29-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Cobalt nickel oxide	ｺﾊﾞﾙﾄﾆｯｹﾙ灰色ﾍﾟﾘｸﾗｰｾﾞ；C.I.ﾋﾟｸﾞﾒﾝﾄ ｺﾊﾞﾙﾄﾆｯｹﾙ酸化物	12737-30-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel boride phosphide	ﾘﾝ酸ﾆｯｹﾙ硼素	65229-23-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Hexaamminenickel(II) chloride		10534-88-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dibromobis(tributylphosphine)nickel(II)		15242-92-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Dichlorobis(trimethylphosphine)nickel(II)		19232-05-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
N,N'-Bis(salicylidene)ethylenediaminonickel(II)		14167-20-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Tetraethylammonium tetrachloronickelate(II)		5964-71-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Bis(tricyclohexylphosphine)nickel(II) Dichloride		19999-87-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Dichlorobis(tributylphosphine)nickel(II)		15274-43-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel(II) bromide 2-methoxyethyl ether complex		312696-09-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Tetrakis(triphenylphosphine)nickel(0)		15133-82-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
dichloronickel;1,2-dimethoxyethane		29046-78-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel(II) bromide ethylene glycol dimethyl ether complex		28923-39-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
1,2-Bis(diphenylphosphino)ethane nickel(II) chloride		14647-23-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel(II) sulfate hexa-/ heptahydrate		15244-37-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel(II) 1,4,8,11,14,18,22,25-octa-n-butoxy-29H,31H-phthalocyanine		155773-71-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
NICKEL(II) TRIFLUOROMETHANESULFONATE		60871-84-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel(II) tetrafluoroborate hexahydrate		15684-36-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Tetrabutylammonium Bis(1,3-dithiole-2-thione-4,5-dithiolato)nickel(III) Complex		68401-87-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel(II) chloride hydrate		69098-15-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Ethylenediaminetetraacetic Acid Disodium Nickel(II) Salt Hydrate		11079-07-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Dipotassium tetracyanonickelate hydrate		339527-86-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel(II) carbonate hydroxide tetrahydrate		12244-51-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel sulfide (NiS2)		12035-51-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Speiss, lead, nickel-contg.		98246-91-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Tetrasodium (c-(3-(1-(3-(e-6-dichloro-5-cyanopyrimidin-f-yl(methyl)amino)propyl)-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridylazo)-4-sulfonatophenylsulfamoyl)phthalocyanine-a,b,d-trisulfonato(6-))nickelato II, where a is 1 or 2 or 3 or 4,b is 8 or 9 or 10 or 11,c is 15 or 16 or 17 or 18, d is 22 or 23 or 24 or 25 and where e and f together are 2 and 4 or 4and 2 respectively		148732-74-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel chloride (NiCl2), tetrahydrate		34304-82-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel, bis[(2-phenyldiazenecarbothioic acid-κS) 2-phenylhydrazidato-κN2]-		12213-15-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel hydride		37187-84-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Trinickel phosphide		12059-19-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Nickel oxalate	ｼｭｳ酸ﾆｯｹﾙ	547-67-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	

5．List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel diformate	二ｷﾞ酸ﾆｯｹﾙ	3349-06-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) propionate	ﾌﾟﾛﾋﾟｵﾝ酸ﾆｯｹﾙ(II)	3349-08-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Trinickel dicitrate		6018-92-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Di-μ-carbonylbis(η5-2,4-cyclopentadien-1-yl)dinickel		12170-92-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Trinickel bis[tetracosa-μ-oxododecaoxo[μ12-[phosphato(3-)-O:O:O:O':O':O':O'':O'':O''':O''']]dodecamolybdate(3-)]		12263-13-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Trihydrogen hydroxybis[orthosilicato(4-)]trinickelate(3-)		12519-85-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Dicarbonylbis(triphenylphosphine)nickel		13007-90-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Hexakis(1H-imidazole-N3)nickel(2+) dichloride		15751-00-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel triuranium decaoxide		15780-33-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Formic acid, nickel salt	ｷﾞ酸、ﾆｯｹﾙ塩	15843-02-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel(2+) hydrogen citrate	ﾆｯｹﾙ(II)ｸｴﾝ酸水素	18721-51-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Tetrakis(trifluorophosphine)nickel		13859-65-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Disodium tetracyanonickelate(2-)		14038-85-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nickel tungsten tetraoxide	ﾆｯｹﾙﾀﾝｸﾞｽﾃﾝ4酸化物	14177-51-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Molybdenum nickel tetraoxide	ﾓﾘﾌﾞﾃﾞﾝ四酸化物	14177-55-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(triphenylphosphine)nickel(II) chloride		14264-16-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(1-nitrosonaphthalen-2-olato-N1,O2)nickel		14406-66-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis[bis(2-ethylhexyl)dithiocarbamato-S,S']nickel		14428-08-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
(butylamine)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]nickel		14516-71-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Bis(6-methylheptane-2,4-dionato-O,O')nickel		14522-99-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Dinickel hexacyanoferrate	ｼﾞﾆｯｹﾙﾍｷｻｼｱﾉ鉄	14874-78-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													●	
Nitrites, all members	亜硝酸塩、全て		Observation			●																	
Ammonium nitrite	亜硝酸ｱﾝﾓﾆｳﾑ	13446-48-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Amyl nitrite	亜硝酸ｲｿﾌﾞﾐﾙ	110-46-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Barium nitrite hydrate	亜硝酸ﾊﾞﾘｳﾑ水和物	115216-77-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Butyl nitrite	亜硝酸n-ﾌﾞﾁﾙ	544-16-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Cadmium dinitrite	二亜硝酸ｶﾄﾞﾐｳﾑ	7790-83-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●														

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Calcium nitrite	亜硝酸ｶﾙｼｳﾑ	13780-06-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Calcium nitrite hydrated	亜硝酸ｶﾙｼｳﾑ水和物	10031-34-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Cobaltate(3-), hexakis(nitrito-N)-, tripotassium, (OC-6-11)-	ﾍｷｻﾆﾄﾛｺﾊﾞﾙﾄ(Ⅲ)酸ｶﾘｳﾑ	13782-01-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Cobaltate(3-), hexakis(nitrito-O)-, trisodium, (OC-6-11)-	ﾍｷｻｷｽ亜硝酸ｺﾊﾞﾙﾄ酸(3-)三ﾅﾄﾘｳﾑ	14649-73-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Ethyl nitrite	亜硝酸ｴﾁﾙ	109-95-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Isobutyl nitrite	亜硝酸ｲｿﾌﾞﾁﾙ	542-56-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Magnesium nitrite	亜硝酸ﾏｸﾞﾈｼｳﾑ	15070-34-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Nickel nitrite	亜硝酸ﾆｯｹﾙ	17861-62-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Potassium nitrite	亜硝酸ｶﾘｳﾑ	7758-09-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Silver nitrite	亜硝酸銀(Ⅰ)	7783-99-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Sodium nitrite	亜硝酸ｿｰﾀﾞ	7632-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
tert-Butyl nitrite	亜硝酸tert-ﾌﾞﾁﾙ	540-80-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Dicyclohexylammonium nitrite	ｼﾞｼｸﾛﾍｷｼﾙｱﾐﾝ亜硝酸塩	3129-91-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Diethyldihexadecylammonium nitrite (6CI, 7CI)	亜硝酸ｼﾞｴﾁﾙｼﾞﾍｷｻﾃﾞｼﾙｱﾐﾝ	105841-28-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Diisopropylammonium nitrite	亜硝酸ｼﾞｲｿﾌﾟﾛﾋﾟﾙｱﾐﾝ	34915-40-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Morpholin, Nitrite (9CI)	亜硝酸ﾓﾙﾎﾘﾝ	62076-93-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Nitrous acid, lead(2+) salt	亜硝酸鉛塩	13826-65-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Pentyl nitrite	亜硝酸ｱﾐﾙ	463-04-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Butan-2-yl nitrite	亜硝酸sec-ﾌﾞﾁﾙ	924-43-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Trisodium hexanitritocobaltate	ﾍｷｻﾆﾄﾛｺﾊﾞﾙﾄ(Ⅲ)酸ﾅﾄﾘｳﾑ	13600-98-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
4-Nitrobiphenyl and its salts, all members	4-ﾆﾄﾛﾋﾞﾌｪﾆﾙおよびその塩、全て		Prohibited			●																
4-Nitrobiphenyl (4-Nitrodiphenyl)	4-ﾆﾄﾛﾋﾞﾌｪﾆﾙ	92-93-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	●			●							●			●		●	
Nitrocellulose	ﾆﾄﾛｾﾙﾛｰｽ	9004-70-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
N-Nitrosamines, selected	N-ニトロソアミン類、抜粋		Observation			●																
N-Nitroso diethanol amine	N-ﾆﾄﾛｿｼﾞｴﾀﾉｰﾙｱﾐﾝ	1116-54-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
N-Nitroso diethyl amine (Ethanamine, N-ethyl-N-nitroso-)	N-ﾆﾄﾛｿｼﾞｴﾁﾙｱﾐﾝ	55-18-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Dimethylnitrosoamine; N-nitrosodimethylamine Methanamine, N-methyl-N-nitroso-	N-ﾆﾄﾛｿｼﾞﾒﾁﾙｱﾐﾝ	62-75-9	Prohibited	All applications and products	Intentionally added	●													●	●	●	
N-Nitroso ethyl phenyl amine	N-ﾆﾄﾛｿｴﾁﾙﾌｪﾆﾙｱﾐﾝ	612-64-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N-Nitroso methyl ethyl amine	N-ﾆﾄﾛｿﾒﾁﾙｴﾁﾙｱﾐﾝ	10595-95-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
N-Nitroso methyl phenyl amine	N-ﾆﾄﾛｿﾒﾁﾙﾌｪﾆﾙｱﾐﾝ	614-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N-Nitroso morpholine Morpholine, 4-nitroso-	N-ﾆﾄﾛｿﾓﾙﾎﾘﾝ	59-89-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
N-Nitroso pyrrolidine	N-ﾆﾄﾛｿﾋﾟﾛﾘｼﾞﾝ	930-55-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
N-Nitrosodi-i-propyl amine	N-ﾆﾄﾛｿｼﾞｲｿﾌﾟﾛﾋﾟﾙｱﾐﾝ	601-77-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N-Nitrosodi-n-butylamine (1-Butanamine, N-butyl-N-nitroso-)	N-ﾆﾄﾛｿｼﾞｰﾉｰﾌﾞﾁﾙｱﾐﾝ	924-16-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
N-Nitrosodi-n-propyl amine	ｼﾞﾌﾟﾛﾋﾟﾙﾆﾄﾛｿｱﾐﾝ	621-64-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
N-Nitrosopiperidine	1-ﾆﾄﾛｿﾋﾟﾍﾟﾘｼﾞﾝ	100-75-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
4-Nonylphenol, branched and linear, all members	4-ノニルフェノール(分岐および直鎖)、全て					●																
4-Nonylphenol	4-ﾉﾆﾙﾌｪﾉｰﾙ	104-40-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
p-Isononylphenol		26543-97-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
p-(1-Methyloctyl)phenol		17404-66-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
p-(1,1-Dimethylheptyl)phenol		30784-30-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
4-(1-Ethyl-1-methylhexyl)phenol		52427-13-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
4-(1-Ethyl-1,3-dimethylpentyl)phenol		186825-36-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
4-(1-Ethyl-1,4-dimethylpentyl)phenol		142731-63-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Branched 4-nonylphenol	分岐 4-ﾉﾆﾙﾌｪﾉｰﾙ	84852-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Phenol, nonyl-, branched		90481-04-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
4-(3-ethylheptan-2-yl)phenol		186825-39-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
4-(1,1,5-Trimethylhexyl)phenol		521947-27-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Isononylphenol		11066-49-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Nonylphenol		25154-52-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●	●	●													
4-Nonylphenol, branched and linear, ethoxylated, all members			Prohibited			●																
Ethanol, 2-(4-nonylphenoxy)-		104-35-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●												
2-[2-(Nonylphenoxy)Ethoxy]Ethanol		27176-93-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
4-t-Nonylphenol-diethoxylate		156609-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●												
2-(2-(4-Nonylphenoxy)ethoxy)ethanol		20427-84-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●												
Ethanol, 2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]-	2-(2-(2-(2-(4-ﾉﾆﾙﾌｪﾉｷｼ)ｴﾄｷｼ)ｴﾄｷｼ)ｴﾄｷｼ)ｴﾀﾉｰﾙ	7311-27-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●												
14-(Nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol	ﾎﾟﾘｵｷｼｴﾁﾚﾝ(5)ﾉﾆﾙﾌｪﾉｰﾙ	26264-02-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
p-Nonylphenol hexaethoxylate		34166-38-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●												
20-(4-Nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		27942-27-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●												
23-(nonylphenoxy)-3,6,9,12,15,18,21-Heptaoxatricosan-1-ol	ﾎﾟﾘｵｷｼｴﾁﾚﾝ(7.5)ﾉﾆﾙﾌｪﾉｰﾙ	27177-05-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol	26-ﾉﾆﾙﾌｪﾉｷｼ-3,6,9,12,15,18,21, 24-ｵｸﾀｵｷｻｺｻﾝ-1-ｵｰﾙ	26571-11-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
Nonaethylene glycol p-nonylphenyl ether; NONOXYNOL 9		14409-72-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●												
29-(Nonylphenoxy)-3,6,9,12,15,18,21,24,27-Nonaoxanonacosanol		27177-08-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
Decaethylene glycol, isononylphenyl ether		65455-72-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
Nonylphenol polyethylene glycol ether		27177-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
Ethylene oxide-Nonylphenol polymer	ﾎﾟﾘｵｷｼｴﾁﾚﾝﾉﾆﾙﾌｪﾆﾙｴｰﾃﾙ	9016-45-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●	●	●												
Poly(oxy-1,2-ethanediyl), .alpha.-(isononylphenyl)-.omega.-hydroxy-	ﾎﾟﾘ(ｵｷｼ-1,2-ｴﾀﾝｼﾞｲﾙ),α.-(ｲｿﾉﾆﾙﾌｪﾆﾙ)-.ｵﾒｶﾞ.-ﾋﾄﾞﾛｷｼ-	37205-87-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●	●	●												
Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	(ｵｷｼ-1, 2-ｴﾀﾝｼﾞｲﾙ)-α-(4-ﾉﾆﾙﾌｪﾆﾙ)-ω-ﾋﾄﾞﾛｷｼ 分岐型ﾎﾟﾘ重合体	127087-87-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●	●	●												
Poly (oxy-1,2-ethanediyl), alpha –(nonylphenyl)-omega-hydroxy-, branched	α-ﾉﾆﾙﾌｪﾆﾙ-ω-ﾋﾄﾞﾛｷｼﾎﾟﾘｵｷｼ-1,2-ｴﾀﾝｼﾞｲﾙ(分岐型)	68412-54-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●	●	●												

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Poly（oxy-1,2-ethanediyl), alpha −(4-nonylphenyl)-omega-hydroxy -	p-ﾉﾆﾌｪﾉｰﾙﾎﾟﾘｴﾁﾚﾝｸﾞﾘｺｰﾙｴｰﾃﾙ	26027-38-3	Prohibited	All applications and products（If the Product contains prohibited substances, please consult NSK.）	Relative to the weight of component parts and materials 1000	●	●	●	●	●												
Nonylphenol polyethylene glycol ether	ﾉﾆﾙﾌｪﾉｰﾙﾎﾟﾘｴﾁﾚﾝｸﾞﾘｺｰﾙｴｰﾃﾙ	20636-48-0	Prohibited	All applications and products（If the Product contains prohibited substances, please consult NSK.）	Relative to the weight of component parts and materials 1000	●		●		●												
20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		27177-03-3	Prohibited	All applications and products（If the Product contains prohibited substances, please consult NSK.）	Relative to the weight of component parts and materials 1000	●				●												
2-(nonylphenoxy)ethanol		27986-36-3	Prohibited	All applications and products（If the Product contains prohibited substances, please consult NSK.）	Relative to the weight of component parts and materials 1000	●				●												
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol		42173-90-0	Prohibited	All applications and products（If the Product contains prohibited substances, please consult NSK.）	Relative to the weight of component parts and materials 1000	●				●												
44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaoxatetratetracontanol		57321-10-5	Prohibited	All applications and products（If the Product contains prohibited substances, please consult NSK.）	Relative to the weight of component parts and materials 1000	●				●												
20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		65455-69-8	Prohibited	All applications and products（If the Product contains prohibited substances, please consult NSK.）	Relative to the weight of component parts and materials 1000	●				●												
2-(isononylphenoxy)ethanol		85005-55-6	Prohibited	All applications and products（If the Product contains prohibited substances, please consult NSK.）	Relative to the weight of component parts and materials 1000	●				●												
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched		91648-64-5	Prohibited	All applications and products（If the Product contains prohibited substances, please consult NSK.）	Relative to the weight of component parts and materials 1000	●				●												
O,O,O-triphenyl phosphorothioate		597-82-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Octadecanamine		124-30-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Octamethylcyclotetrasiloxane		556-67-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●	●	●						●							
Octamethyltrisiloxane		107-51-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Ozone depleting halogenated Hydrocarbons and Carbons, all members	オゾン層破壊をもたらすハロゲン化炭化水素と炭素、全て					●																
1,1,1,2-Tetrachlor-2,2-difluoroethane	1,1-ｼﾞﾌﾙｵﾛﾃﾄﾗｸﾛﾛｴﾀﾝ	76-11-9	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1,3,3,3-Hexachlor-2,2-difluoropropane	ﾍｷｻｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(CFC212)	3182-26-1	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1,3,3-Pentachlor-2,2,3-trifluoropropane	ﾍﾟﾝﾀｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2354-06-5	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1,3-Tetrachlorotetrafluoropropane	1,1,1,3-ﾃﾄﾗｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2268-46-4	Prohibited	All applications and products	Intentionally added	●	●															
1,1,1-Trichloropentafluoropropane	1,1,1-ﾄﾘｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	4259-43-2	Prohibited	All applications and products	Intentionally added	●	●															
1,1,2-trichloro-1,2,2-trifluoroethane	1,1,2-ﾄﾘｸﾛﾛ-1,2,2-ﾄﾘﾌﾙｵﾛｴﾀﾝ	76-13-1	Prohibited	All applications and products	Intentionally added	●	●															
1,1-Dibromo-1,2,2,2-tetrafluoroethane	1,1-ｼﾞﾌﾞﾛﾓ-1,2,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	27336-23-8	Prohibited	All applications and products	Intentionally added	●																
1,1-Dichlor-1,2,2,2-tetrafluoroethane	1,1-ｼﾞｸﾛﾛ-1,2,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	374-07-2	Prohibited	All applications and products	Intentionally added	●																
1,2,2-Trichloropentafluoropropane	1,2,2-ﾄﾘｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	1599-41-3	Prohibited	All applications and products	Intentionally added	●	●															
1,2,3-Trichloropentafluoropropane	1,2,3-ﾄﾘｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名ﾌﾛﾝ215)	76-17-5	Prohibited	All applications and products	Intentionally added	●	●															

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane	1,2-ｼﾞｸﾛﾛ-1,1,2,3,3,3-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	661-97-2	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	127564-92-5	Prohibited	All applications and products	Intentionally added	●	●															
1,2-Difluorotetrachloroethane	1,1,2,2-ﾃﾄﾗｸﾛﾛ-1,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	76-12-0	Prohibited	All applications and products	Intentionally added	●	●															
Bromochlorodifluoromethane	ﾌﾞﾛﾓｸﾛﾛｼﾞﾌﾙｵﾛﾒﾀﾝ	353-59-3	Prohibited	All applications and products	Intentionally added	●	●															
Bromofluoromethane	ﾌﾞﾛﾓﾌﾙｵﾛﾒﾀﾝ	373-52-4	Prohibited	All applications and products	Intentionally added	●	●															
Bromotrifluoromethane	ﾌﾞﾛﾓﾄﾘﾌﾙｵﾛﾒﾀﾝ	75-63-8	Prohibited	All applications and products	Intentionally added	●	●															
Carbon tetrachloride	四塩化炭素	56-23-5	Prohibited	All applications and products	Intentionally added	●	●							●								●	
Chlorobromomethane	ﾌﾞﾛﾓｸﾛﾛﾒﾀﾝ	74-97-5	Prohibited	All applications and products	Intentionally added	●	●															
Chlorotrifluoromethane	ｸﾛﾛﾄﾘﾌﾙｵﾛﾒﾀﾝ	75-72-9	Prohibited	All applications and products	Intentionally added	●	●															
Cryofluorane	ｼﾞｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(CFC114)	76-14-2	Prohibited	All applications and products	Intentionally added	●	●															
Dibromotetrafluoroethane	ｼﾞﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	25497-30-7	Prohibited	All applications and products	Intentionally added	●																
Dibromotetrafluoroethane (Halon 2402)	ｼﾞﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	124-73-2	Prohibited	All applications and products	Intentionally added	●	●															
Dichlorodifluoromethane	ｼﾞｸﾛﾛｼﾞﾌﾙｵﾛﾒﾀﾝ	75-71-8	Prohibited	All applications and products	Intentionally added	●	●															
dichlorotetrafluoroethane	ｼﾞｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	1320-37-2	Prohibited	All applications and products	Intentionally added	●																
Heptachlorofluoropropane	ﾍﾌﾟﾀｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(CFC211)	135401-87-5	Prohibited	All applications and products	Intentionally added	●	●															
Heptachlorofluoropropane	ﾍﾌﾟﾀｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(CFC211)	422-78-6	Prohibited	All applications and products	Intentionally added	●	●															
Heptafluoropropyl chloride	ﾓﾉｸﾛﾛﾍﾌﾟﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	422-86-6	Prohibited	All applications and products	Intentionally added	●	●															
Hexachlorodifluoropropane	ﾍｷｻｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	134452-44-1	Prohibited	All applications and products	Intentionally added	●																
Methyl bromide (Bromomethane)	臭化ﾒﾁﾙ	74-83-9	Prohibited	All applications and products	Intentionally added	●	●															●
Monochloropentafluoroethane	ｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛｴﾀﾝ	76-15-3	Prohibited	All applications and products	Intentionally added	●	●															
Pentachlorofluoroethane	ﾍﾟﾝﾀｸﾛﾛﾌﾙｵﾛｴﾀﾝ	354-56-3	Prohibited	All applications and products	Intentionally added	●	●															
Pentachlorotrifluoropropane	ﾍﾟﾝﾀｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名CFC-213)	134237-31-3	Prohibited	All applications and products	Intentionally added	●	●															
Tetrachlorotetrafluoropropane	ﾃﾄﾗｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	29255-31-0	Prohibited	All applications and products	Intentionally added	●	●															
Trichlorofluoromethane	ﾄﾘｸﾛﾛﾌﾙｵﾛﾒﾀﾝ	75-69-4	Prohibited	All applications and products	Intentionally added	●	●															
Trichlorotrifluoroethane	CFC-113(ﾄﾘｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ)	26523-64-8	Prohibited	All applications and products	Intentionally added	●																
Trichlorotrifluoroethane	CFC-113(ﾄﾘｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ)	354-58-5	Prohibited	All applications and products	Intentionally added	●	●															
Pentachlorobenzene	ﾍﾟﾝﾀｸﾛﾛﾍﾞﾝｾﾞﾝ	608-93-5	Prohibited	All applications and products	Intentionally added	●							●					●		●		
Pentachlorophenol (PCP) and its salts and esters, all members	4-ノニルフェノール（分岐および直鎖）、エトキシレート、全て		Prohibited			●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Methyl(pentachlorophenolato)mercury	ﾒﾁﾙ水銀(Ⅱ)ﾍﾟﾝﾀｸﾛﾛﾌｪﾉﾗｰﾄ	5902-76-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenol	ﾍﾟﾝﾀｸﾛﾛﾌｪﾉｰﾙ	87-86-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Potassium pentachlorophenate (Phenol, 2,3,4,5,6-pentachloro-, potassium salt (1:1))	ｶﾘｳﾑﾍﾟﾝﾀｸﾛﾛﾌｪﾉﾗｰﾄ	7778-73-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Sodium Pentachlorophenate Phenol, 2,3,4,5,6-pentachloro-, sodium salt (1:1)	ﾍﾟﾝﾀｸﾛﾛﾌｪﾉｰﾙﾅﾄﾘｳﾑ	131-52-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Zinc bis(pentachlorophenolate)	ﾍﾟﾝﾀｸﾛﾛﾌｪﾉｰﾙ亜鉛	2917-32-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Trimethylcetylammonium pentachlorophenate		87-76-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Copper (II) = bis (2,3,4,5,6-pentachlorophenolate)		2917-31-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Tributyl (pentachlorophenoxy) tin		3644-38-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl = laurate		3772-94-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Bis (pentachlorophenyl) = carbonate		7497-08-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl = oleate		10443-46-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl = N (2) - [(benzyloxy) carbonyl] -L-glutaminate		13673-51-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl = N - [(benzyloxy) carbonyl] -L-isoleuccinate		13673-53-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl = (R) -2 - {[(benzyloxy) carbonyl] amino} -3- (benzylsulfanyl) propanoate		13673-54-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl = N - {[(4-methoxybenzyl) oxy] carbonyl} -L-serinate		23234-97-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Sodium = pentachlorophenolate decahydrate		27735-63-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Sodium = pentachlorophenolate monohydrate		27735-64-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl = (S) -5-oxopyrrolidine-2-carboxylate		28990-85-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Triethanolamine-penta-chlorophenolate		32978-79-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Compound of abieta-8(14),9(11),12-trien-18-amine and pentachlorophenol		35109-57-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl salicylate		36994-69-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
(R) -5-oxopyrrolidine-2-carboxylic acid pentachlorophenyl		50654-95-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl = N - [(benzyloxy) carbonyl] -L-tyrosinate		55593-07-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Calcium bis (pentachlorophenolate)		55868-72-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl = 5-oxopyrrolidine-2-carboxylate		67246-71-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
The compound of coco-alkylamine and pentachlorophenol (1: 1)		90640-52-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Quaternary ammonium compounds, coco alkyltrimethyl, salts with pentachlorophenol		91080-93-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl ester of fatty acid (C = 8 to 12)		98219-40-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Pentachlorophenyl ester of fatty acid (C = 16 to 18)		98219-41-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	●							●					●			●	
Perchlorates, all members	過塩素酸塩、全て		Observation			●																
Ammonium perchlorate	過塩素酸ｱﾝﾓﾆｳﾑ	7790-98-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Barium perchlorate	過塩素酸ﾊﾞﾘｳﾑ	13465-95-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Lead perchlorate	過塩素酸鉛(Ⅱ)	13637-76-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●													
Lithium Perchlorate	過塩素酸ﾘﾁｳﾑ	7791-03-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Magnesium Perchlorate	過塩素酸ﾏｸﾞﾈｼｳﾑ	10034-81-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Perchloric acid, reaction products with lead oxide (pbo) and triethanolamine	酸化鉛(P bO)とﾄﾘｴﾀﾉｰﾙｱﾐﾝによる反応生成物の過塩素酸	99749-31-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Perchloric acid, cobalt (2+) salt	過塩素酸ｺﾊﾞﾙﾄ	13455-31-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Perchloric acid, mercury(2+) salt	過塩素酸第二水銀	7616-83-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Perchloric acid, nickel(2+) salt, hexahydrate	過塩素酸ﾆｯｹﾙ(Ⅱ)六水和物	13520-61-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●													
Nickel perchlorate	過塩素酸ﾆｯｹﾙ(Ⅱ)	13637-71-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●		●													
Potassium Perchlorate	過塩素酸ｶﾘｳﾑ	7778-74-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sodium Perchlorate	過塩素酸ﾅﾄﾘｳﾑ	7601-89-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Thallium(3+) perchlorate	三過塩素酸ﾀﾘｳﾑ(Ⅲ)	15596-83-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Per and Poly- fluoroalkyl substances (PFAS)		-																				
Perfluorobutane sulfonic acid (PFBS) and its salts, all members	パーフルオロブタンスルホン酸（PFBS）およびその塩、全て					●																
Nonafluorobutane-1-sulphonic acid		375-73-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Potassium nonafluorobutane-1-sulfonate		29420-49-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
PFHxA, Undecafluorohexanoic acid, its salts and PFHxA related substances		-																				
PFHxA and its salts	PFHxAおよびその塩		Observation			●																
Ammonium undecafluorohexanoate		21615-47-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
sodium undecafluorohexanoate		2923-26-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
undecafluorohexanoic acid		307-24-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
PFHxA related substances	PFHxA関連物質		Observation			●																
Chlorodimethyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-noctyl)silane		102488-47-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
sodium hydrogen (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)phosphonate		1189052-95-6	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)phosphonic acid monoethyl ester		1189052-97-8	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl methacrylate		1228350-17-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
lithium 2-(bis(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluoro-2-hydroxynonyl)amino)ethane-1-sulfonate		1262880-17-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluoro-2-hydroxynonyl acrylate		127377-12-2	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Triethoxy[5,5,6,6,7,7,7-heptafluoro-4,4bis(trifluoromethyl)heptyl]silane		130676-81-2	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4(trifluoromethyl)pentane		132182-92-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
(perfluorohexyl)hexadecane		133310-71-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
1-(Perfluorohexyl)octane		133331-77-8	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
Trimethyl(tridecafluorohexyl)silane		135841-49-5	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4,4,5,5,6,7,7,7-Octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl acrylate		16083-76-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4,4,5,5,6,7,7,7-Octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl methacrylate		16083-79-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl acrylate		17527-29-6	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
bromotris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane		175354-31-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane		175354-32-2	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
ammonium 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1octanesulfonate; reaction mass of: 3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluoro-1-octanesulfonic acid		182176-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●																
(prop-2-en-1-yl)tris(3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctyl)stannane		192212-66-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Tris[4-(tridecafluorohexyl)phenyl]phosphine		193197-68-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane		2043-57-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1H,1H-Tridecafluoro-1-iodoheptane		212563-43-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate		2144-53-8	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
Tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)phenyl]phosphine		219985-31-6	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-		252237-40-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooct-1-ene		25291-17-2	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
1H-Tridecafluoro-3,3-dimethylhex-1-yne		261503-44-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester		26650-09-9	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Methyl Perfluoroamyl Ketone		2708-07-8	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonyl chloride		27619-89-2	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonic acid		27619-97-2	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
2H,2H,3H,3H-Perfluorononanoic acid		27854-30-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
Perfluorohexanoic Anhydride		308-13-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1-Methyl-3-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)imidazolium hexafluorophosphate		313475-50-2	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)tin oxide		324063-66-3	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Perfluorohexanoyl chloride		335-53-5	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1-bromo-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane		335-56-8	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide		34451-26-8	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluoro-octane-1-sulfonamide		34455-22-6	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Carboxymethyldimethyl-3-[[(3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctyl)sulphonyl]amino]propylammonium hydroxide		34455-29-3	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1H,1H-Undecafluorohexylamine		355-34-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Perfluorohexanoyl fluoride		355-38-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-iodohexane		355-43-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4-(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)benzyl alcohol		356055-76-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Diisopropyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		356056-14-9	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]butane-1thiol		36097-07-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-ol		375-82-6	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Ethyl Perfluoroamyl Ketone		383177-55-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodononane		38550-34-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)oxirane		38565-52-5	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1-hexanol, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro-		423-46-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1H,1H-Tridecafluoroheptylamine		423-49-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Methyl Undecafluorohexanoate		424-18-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Bis(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl) azodicarboxylate		452912-11-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
2-[methyl[(3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctyl)sulphonyl]amino]ethyl acrylate		49859-70-3	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
(7E)-7H,8H-Hexacosafluorotetradec-7-ene		51249-67-3	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1-Octanesulfonamide, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-N(2-hydroxyethyl)-N-methyl-		51619-73-9	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		51851-37-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●		●													
Perfluoroheptanoyl chloride		52447-22-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
6:2 fluorotelomer carboxylic acid		53826-12-3	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
3-(Perfluoro-3-methylbutyl)-1,2-propenoxide 97%		54009-81-3	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
N-[4-(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)benzyloxycarbonyloxy] succinimide		556050-48-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1H-Perfluorooct-1-yne		55756-24-6	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
6:2 fluorotelomer aldehyde		56734-81-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
1-Octanol, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-, 1(dihydrogen phosphate)		57678-01-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
Potassium 3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctanesulphonate		59587-38-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Ammonium Perfluorohexylethylsulfonate		59587-39-2	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
sodium 2-methyl-2-({3-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]propanoyl}amino)propane-1-sulfonate		62880-93-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
perfluoroheptanal		63967-41-9	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
2-(Perfluoro-3-methylbutyl)ethyl methacrylate		65195-44-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
6:2 fluorotelomer unsaturated aldehyde		69534-12-9	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
6:2 fluorotelomer unsaturated carboxylic acid		70887-88-6	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															
Dichloromethyl(3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctyl)silane		73609-36-6	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
2-Hydroxy-N,N-dimethyl-3-sulfo-N-[3-[[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulfonyl]amino]propyl]-1-propanaminium, inner salt		76201-56-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
(Perfluorohexyl)phenyliodonium Trifluoromethanesulfonate		77758-84-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Trichloro(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		78560-45-9	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctanesulphonamide N-oxide		80475-32-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorooctane		80793-17-5	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononan-1-ol		80806-68-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
1-(Perfluorohexyl)docosane		825651-73-8	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
N-(4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl)maleimide		852527-41-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
N-(4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl)iodoacetamide		852527-50-5	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl azide		852527-60-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		85857-16-5	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●			●													
Dimethoxymethyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		85857-17-6	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
3-perfluorohexyl-2-hydroxypropyl methacrylate		86994-47-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
(Perfluorohexyl)trifluorooxirane		87375-53-9	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctyl)thio]propan-1-aminium chloride		88992-45-4	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide		89889-20-3	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
3,3,4,4,5,5,6,6,7,7,7-Undecafluoroheptan-2-ol		914637-05-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
2-Chloro-4,6-bis[3-(perfluorohexyl)propyloxy]-1,3,5-triazine		916770-15-5	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
N-Succinimidyl 4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononanoate		932710-51-5	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
2,7-Bis(1H1H2H,2H-perfluorooctyl)-9-fluorenylmethoxycarbonyl chloride		932710-57-1	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-chloroacrylate		96383-55-0	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
2-Iodo-1-(perfluorohex-1-yl)octane		109574-84-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●																
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol		647-42-7	Observation	REACH Regulation Annex XVII Regulation Target	25ppb excluding fluoropolymer 500ppb with fluoropolymer	●	●															

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
PFOA, perfluorooctanoic acid, its salts and PFOA related compounds		-				●																
PFOA and its salts	PFOAおよびその塩		Prohibited			●																
Perfluorooctanoic acid		335-67-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●	●					●					●	●	●	●	●
Perfluorooctanoate (conjugate base of the free acid)		45285-51-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●							●					●		●		●
Branched perfluorooctanoic acid		90480-55-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,2,3,4,5,5,6,6,6-nonafluoro-3,4-bis(trifluoromethyl)-		1882109-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,3,3,4,4,5,6,6,6-nonafluoro-2,5-bis(trifluoromethyl)-		1882109-80-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,2,3,3,4,5,5,6,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)-		1882109-79-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,2,3,4,4,5,5,6,6,6-decafluoro-3-(1,1,2,2,2-pentafluoroethyl)-		1882109-78-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-(1,1,2,2,3,3,3-heptafluoropropyl)-		1882109-77-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-		1882109-76-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,2,3,5,5,5-hexafluoro-3,4,4-tris(trifluoromethyl)-		1882109-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,2,4,5,5,5-hexafluoro-3,3,4-tris(trifluoromethyl)-		1882109-74-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,3,3,5,5,5-hexafluoro-2,4,4-tris(trifluoromethyl)-		1882109-73-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,3,4,5,5,5-hexafluoro-2,3,4-tris(trifluoromethyl)-		1882109-72-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,4,4,5,5,5-hexafluoro-2,3,3-tris(trifluoromethyl)-		1882109-71-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 3,3,4,5,5,5-hexafluoro-2,2,4-tris(trifluoromethyl)-		1882109-70-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,2,3,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-		1882109-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,2,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-		1882109-67-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-		1882109-66-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,3,3,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-		1882109-65-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-		1882109-64-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Pentanoic acid, 3,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-		1882109-63-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pentanoic acid, 3,4,4,5,5,5-hexafluoro-2,2,3-(trifluoromethyl)-		1882109-69-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Butanoic acid, 4,4,4-trifluoro-2,2,3,3-tetrakis(trifluoromethyl)-		1882109-62-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Butanoic acid, 2,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-3-(trifluoromethyl)-		1882109-61-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Butanoic acid, 2,3,3,4,4,4-hexafluoro-2-[2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl]-		1882109-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Butanoic acid, 3,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-2-(trifluoromethyl)-		1882109-59-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Butanoic acid, 3,3,4,4,4-pentafluoro-2,2-bis(1,1,2,2,2-pentafluoroethyl)-		1882109-58-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,2,4,4,5,5,6,6,6-nonafluoro-3,3-bis(trifluoromethyl)-		1812247-20-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,3,3,4,5,5,6,6,6-nonafluoro-2,4-bis(trifluoromethyl)-		1812247-19-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,3,4,4,5,5,6,6,6-nonafluoro-2,3-bis(trifluoromethyl)-		1812247-18-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 3,3,4,4,5,5,6,6,6-nonafluoro-2,2-bis(trifluoromethyl)-		1812247-17-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,2,3,3,5,5,6,6,6-nonafluoro-4,4-bis(trifluoromethyl)-		1192593-79-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,2,3,3,4,5,6,6,6-nonafluoro-4,5-bis(trifluoromethyl)-		1144512-36-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,2,3,4,4,5,6,6,6-nonafluoro-3,5-bis(trifluoromethyl)-		1144512-35-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,2,3,3,4,4,6,6,6-nonafluoro-5,5-bis(trifluoromethyl)-		1144512-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,3,4,5,5,6,6,7,7,7-dodecafluoro-4-(trifluoromethyl)-		1144512-18-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,3,4,4,5,6,6,7,7,7-dodecafluoro-5-(trifluoromethyl)-		909009-42-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,4,4,5,5,6,6,7,7,7-dodecafluoro-3-(trifluoromethyl)-		705240-04-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-2-(trifluoromethyl)-		207678-51-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Isooctanoic acid, pentadecafluoro-		123116-17-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-		35605-76-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-		15166-06-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Ammonium salt, linear/branched PFOA (Octanoic acid, pentadecafluoro-, branched, ammonium salt)		90480-56-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ammonium salt (1:1)		3825-26-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb. Intentionally added amounts must be reported to EPA	●	●	●					●					●	●	●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, sodium salt (1:1)		335-95-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb. Intentionally added amounts must be reported to EPA	●	●						●					●		●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt (1:1)		2395-00-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb. Intentionally added amounts must be reported to EPA	●	●						●					●		●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, silver(1+) salt (1:1)		335-93-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb. Intentionally added amounts must be reported to EPA	●	●						●					●		●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) salt (3:1)		68141-02-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●						●					●		●		●
Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)		98241-25-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●						●					●		●		●
Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2- pentafluoroethyl)-, ammonium salt (1:1)		13058-06-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, sodium salt (1:1)		1195164-59-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, ammonium salt (1:1)		19742-57-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, iron salt (1:x)		61436-04-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, potassium salt (1:1)		29457-73-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)- , sodium salt (1:1)		18017-22-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, chromium salt (1:x)		15739-82-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, aluminum salt (3:1)		15715-47-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	●	●											●		●		●
PFOA Related Compounds	PFOA関連化合物		Prohibited			●																
Fatty acids, C7-13, perfluoro		68333-92-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●						●					●		●		●
Fatty acids, C7-19, perfluoro		91032-01-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●						●					●		●		●
Fatty acids, C7-13, perfluoro, ammonium salts		72968-38-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●						●					●		●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, methyl ester		376-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ethyl ester		3108-24-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, 1,1'-anhydride		33496-48-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs.		68412-69-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts		93062-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bis(perfluorooctyl)phosphinic acid		40143-79-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Perfluorohexylperfluorooctyl phosphinate		610800-34-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Octanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		335-66-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Perfluorooctyl iodide		507-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-tricosafluoro-11-iodo-		307-50-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-12-iodo-		307-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafluoro-14-iodo-		307-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-hentriacontafluoro-15-iodo-		335-79-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-heptacosafluoro-13-iodo-		376-04-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-10-iodo-		423-62-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-9-iodo-		558-97-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Decane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-eicosafluoro-10-iodo-2-(trifluoromethyl)-		677-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Dodecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(trifluoromethyl)-		3248-61-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Tetradecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-octacosafluoro-14-iodo-2-(trifluoromethyl)-		3248-63-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Decane, 1-bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heneicosafluoro-		307-43-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Alkyl iodides, C6-18, perfluoro		90622-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		2043-53-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●		●		●
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-12-iodo-		2043-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●		●		●
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12- pentacosafluoro-14-iodo-		30046-31-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●														●		●
Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14, 14-nonacosafluoro-16-iodo-		65510-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●		●		●
Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodo-		65510-56-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Alkyl iodides, C4-20, γ-ω-perfluoro		68188-12-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Alkyl iodides, C10-12, γ-ω-perfluoro		68390-33-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
8:2 Fluorotelomer olefin		21652-58-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Dodecene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		30389-25-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1-Hexadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluoro-		60699-51-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●		●		●
1-Tetradecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluoro-		39239-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●		●		●
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		865-86-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●		●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		678-39-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●		●		●
2-Dodecenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-eicosafluoro-		70887-94-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Dodecanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		53826-13-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Decenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluoro-		70887-84-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		27854-31-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafluoro-12-(trifluoromethyl)-, 1-(dihydrogen phosphate)		63295-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15-tetracosafluoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate)		63295-28-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafluoro-16-(trifluoromethyl)-, 1-(dihydrogen phosphate)		63295-29-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-, 1-(dihydrogen phosphate)		94158-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-, 1-(dihydrogen phosphate), diammonium salt		94200-46-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-, 1-(dihydrogen phosphate), diammonium salt		94200-47-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafluoro-, 1-(dihydrogen phosphate), diammonium salt		94200-48-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafluoro-12-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt		94200-50-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt		94200-51-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafluoro-16-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt		94200-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
8:2 Fluorotelomer phosphate monoester		57678-03-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
8:2 Fluorotelomer phosphate diester		678-41-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, dihydrogen phosphate, diammonium salt		93857-44-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, 1-(dihydrogen phosphate)		57678-05-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, 1,1'-(hydrogen phosphate)		1895-26-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafluoro-2-hydroxy-16-(trifluoromethyl)heptadecyl ester		16083-78-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl ester		4980-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl ester		6014-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl ester		16083-87-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl ester		52956-82-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-eicosafluoro-11-(trifluoromethyl)dodecyl ester		74256-14-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl ester		74256-15-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-(Perfluorodecyl) ethyl acrylate		17741-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●		●		●
2-(Perfluorodecyl) ethyl methacrylate		2144-54-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
8:2 Fluorotelomer acrylate		27905-45-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●		●		●
8:2 Fluorotelomer methacrylate		1996-88-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, γ-ω-perfluoro-C8-14-alkyl esters		85631-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosafluoro-15-(trifluoromethyl)hexadecyl ester		91615-22-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dotriacontafluoro-17-(trifluoromethyl)octadecyl ester		94158-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosafluoro-15-(trifluoromethyl)hexadecyl ester		94158-64-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dotriacontafluoro-17-(trifluoromethyl)octadecyl ester		94158-65-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1-Propanaminium, N-(2-carboxyethyl)-N,N- dimethyl-3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12, 12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl) amino]-, inner salt		93776-12-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1-Propanaminium, N- (2-carboxyethyl)-3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12, 12,13,13,13-heneicosafluoro-2-hydroxytridecyl)amino] -N,N-dimethyl-, inner salt		93776-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Tridecanol, 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafluoro-12-(trifluoromethyl)-		94159-83-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Pentadecanol, 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-		94159-79-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Tridecanol, 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-		94159-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Pentadecanol, 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-14-(trifluoromethyl)-		94159-82-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
8:2 Fluorotelomer stearate monoester		99955-83-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Pentanedioic acid, 3-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]-2-oxoethyl]-3-hydroxy-, 1,5-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester		302911-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Perfluorooctylethyldichloromethyl silane		3102-79-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Perfluorooctylethyldimethylchlorosilane		74612-30-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Perfluorooctylethyltriethoxysilane		101947-16-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Perfluorooctylethyltrichlorosilane		78560-44-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Perfluorooctylethyltrimethoxysilane		83048-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Propanamide, 3-[(γ-ω-perfluoro-C4–10-alkyl)thio] derivatives		68187-42-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Thiols, C8-20, γ-ω-perfluoro, telomers with acrylamide		70969-47-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Carbamic acid, [2-(sulphothio)ethyl]-, C-(γ-ω-perfluoro-C6–9-alkyl) esters, monosodium salts		95370-51-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C4–10-alkyl)thio]methyl] derivatives, phosphates, ammonium salts		148240-85-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C6–12-alkyl)thio]methyl] derivatives, phosphates, ammonium salts		148240-87-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C10-20-alkyl)thio]methyl] derivs., phosphates, ammonium salts		148240-89-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Oxirane, methyl-, polymer with oxirane, mono[2-hydroxy-3-[(γ-ω-perfluoro-C8-20-alkyl)thio]propyl] ethers		183146-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Pentanoic acid, 4,4-bis[(γ-ω-perfluoro-C8-20-alkyl)thio]derivs., compds. with diethanolamine		71608-61-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-, 1-(dihydrogen phosphate), ammonium salt (1:2)		94200-45-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Pentadecanol, 1,1'-[oxybis[(1-methyl-2,1-ethanediyl)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-		93776-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12 12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12 13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate		115592-83-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and γ-ω-perfluoro-C8-14-alkyl acrylate		129783-45-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and γ-ω-perfluoro-C8-14-alkyl acrylate		144031-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12 12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1, 2-ethanediyl), 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12 13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl 2-propenoate, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12 13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12 13,13,14,14,15,15,16,16,17,17,18,18,18-tritriacontafluorooctadecyl 2-propenoate		116984-14-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Poly[2-(perfluorooctyl)ethyl acrylate]		74049-08-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6, 7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate		65104-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, polymer with 2-propenoic acid		53515-73-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Amides, C7-19, α-ω-perfluoro-N,N-bis(hydroxyethyl)		90622-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Piperazinium, 1-(carboxymethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)-, inner salt		71356-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, perfluoro-C8-16-alkyl esters		85681-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethylmethacrylate, Me methacrylate and perfluoro-C8-14-alkyl acrylate		125328-29-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Phosphine, tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]-		325459-92-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Palladium, dichlorobis[tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]phosphine-κP]-		326475-46-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1-Propanaminium, N-(2-carboxyethyl)-N,N-bis(2-hydroxyethyl)-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, inner salt		39186-68-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Octanamide, N-[3-[bis(2-hydroxyethyl)amino]propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		41358-63-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Benzenesulfonyl chloride, 3,4-bis[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-		24216-05-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1-Propanaminium,N,N,N-trimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl) amino]-, chloride (1:1)		53517-98-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Octanamide, N-(3-aminopropyl)-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		85938-56-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
1-Propanesulfonic acid,3-[ethyl(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-,sodium salt (1:1)		89685-61-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Nonene, heptadecafluoro-1-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]-		84029-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonamide, N-Ethylperfluorooctane-1-sulfonamide		4151-50-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●		●		●
Other PFOA Related Compounds	その他のPFOA関連化合物		Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●																●
Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-9-iodo-		2043-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-8-iodo-		10258-49-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-9-iodo-		25291-12-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-		169331-74-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Nonene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluoro-		25431-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-		38787-57-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-9-iodo-		25431-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-9-iodo-		918-32-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-9-iodo-		38787-66-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Nonadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-		109856-51-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tricosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-		57325-44-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Decene, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-pentadecafluoro-, (E)- (9CI)		89889-22-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Nonanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluoro-		755-02-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-pentadecafluoro-		25600-66-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Nonadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-9-iodo-		25431-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Octanamine, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		307-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Octanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		307-30-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tricosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-9-iodo-		57325-43-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Octanamine, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, hydrochloride(1:1)		5678-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-pentadecafluoro-2-iodo-		16083-64-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Pentacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-9-iodo-		2837-34-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
5-Tridecene, 7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-pentadecafluoro-		52717-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanenitrile, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		647-12-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
6-Tetradecene, 8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentadecafluoro-		38787-60-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanal, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		335-60-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,1-Octanediol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		31185-69-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
8-Heptadecene, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-		52717-06-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Nonanone, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluoro-		754-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Nonanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluoro-2-methyl-		92914-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanoyl chloride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		335-64-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Decanoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-pentadecafluoro-		812-70-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanoyl bromide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		222037-87-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanimidamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		307-31-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Nonanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluoro-		45291-33-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanoic-1,2-13C2 acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		864071-08-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanoic-1-13C acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro- (9CI)		864071-09-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Octanaminium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)		927835-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●							●							●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt,hydrate (1:1:2)		98065-31-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●							●							●		●
7-Hexadecene,1,1,1,2,2,3,3,4,4,5,5,6,6,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-triacontafluoro-, (E)- (9CI)		51249-68-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoro-8-(2-propen-1-yloxy)-		812-72-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Oxirane, 2-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-		20084-49-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Nonanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluoro-		27607-61-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		423-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Octanamine, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-		3145-68-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, butyl ester		307-96-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanimidamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-hydroxy-		4314-38-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, 2-propen-1-ylester		20120-44-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ethenyl ester		307-93-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester		307-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Pyridinium, 1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-, 1,1,1-trifluoromethanesulfonate (1:1)		25061-59-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester		3934-23-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanaminium, N-(carboxymethyl)-4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-pentadecafluoro-N,N-dimethyl-, inner salt		171184-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hexadecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester		111918-97-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Methanesulfonic acid, 1,1,1-trifluoro-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester		17352-09-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-hydroxy-		15435-88-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester		886046-97-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Benzeneethanamine, N-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctylidene)-		29723-33-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenamide, N-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-		424-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, N-butyl-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		37696-83-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Benzoic acid, 4-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]-		129560-87-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, N-dodecyl-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		37696-86-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Benzoic acid, 4-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)amino]-		73782-58-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-(2-hydroxypropyl)-		1407514-44-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Benzoic acid, 4-hydroxy-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctylester		869308-35-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Octanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, 1-(4-methylbenzenesulfonate)		24962-65-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, N-[4-(dimethylamino)butyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		118454-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Butenedioic acid (2E)-, bis(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl) ester (9CI)		24120-18-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, (4-ethenylphenyl)methyl ester		230295-06-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanaminium, N,N,N-trimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, iodide (1:1)		335-90-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-[3-(triethoxysilyl)propyl]-		37043-12-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,3,5,2,4,6-Triazatriphosphorine, 2,2,4,4,6,6-hexahydro-2,2,4,4,6,6-hexakis[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]- (9CI)		186043-52-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-[2-(2-hydroxyethoxy)ethyl]-		110388-02-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, N,N'-trimethylenebis[2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro- (8CI)		29680-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,3,5,2-Triazaphosphorine, 2,2-diazido-2,2-dihydro-4,6-bis(pentadecafluoroheptyl)- (9CI)		95215-99-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphinous amide, N-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-P,P-bis(pentafluorophenyl)- (9CI)		518358-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
[1,1'-Biphenyl]-4-carboxylic acid, 4'-(2-methylbutyl)-,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, (S)- (9CI)		118826-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-(4-methoxyphenyl)-		103188-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanamide, N,N'-(1R,2R)-1,2-cyclohexanediylbis[2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro- (9CI)		864149-62-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanamide, N,N'-1,2-cyclohexanediylbis[2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		305848-92-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrachloro-, 1,2-bis(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl) ester		2212-77-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, N-(carboxymethyl)-N,N-dimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, inner salt		90179-39-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanoic acid, pentadecafluoro-, mixed esters with 2,2'-[1,4-butanediylbis(oxymethylene)]bis[oxirane] and 2,2'-[1,6-hexanediylbis(oxymethylene)]bis[oxirane]		90480-57-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Poly(oxy-1,2-ethanediyl), α-[2-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]ethyl]-ω-hydroxy-		93480-00-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluorononyl ester		1799-55-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, N-(2-carboxyethyl)-N,N-dimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, inner salt		5158-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, homopolymer		29014-57-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Methanaminium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)		32609-65-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●							●								●		●
1-Nonanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluoro-, dihydrogenphosphate, diammonium salt (9CI)		63439-39-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Benzenesulfonyl chloride, [[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]methyl]-, branched and linear		90218-71-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-nonadecafluoroundecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluorononyl 2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-tricosafluorotridecyl2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate(9CI)		105656-07-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecylester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-nonadecafluoroundecyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-methyl-2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluorononyl 2-methyl-2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-tricosafluorotridecyl2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate (9CI)		105681-94-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, N,N,N-tripropyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)		277749-00-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●							●								●		●
2-Propenoic acid, 2-methyl-, 1,1,2,2,3,3,3-heptafluoropropyl ester, polymerwith methyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluorononyl 2-methyl-2-propenoate and 1,1,2,2,2-pentafluoroethyl2-methyl-2-propenoate		1017277-36-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Cyclotetrasiloxane, 2-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoroundecyl)-2,4,6,8-tetramethyl-, Si-[3-(oxiranylmethoxy)propyl] derivs		206886-57-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Poly(oxy-1,2-ethanediyl), .alpha.-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)-.omega.-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)oxy]-		122402-79-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, C16-18-alkyl esters, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl acrylate		160336-09-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, methyl ester, telomere with 1-dodecanethiol, 2-ethylhexyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and 2-Propenoic acid		321318-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl group]-terminated, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol- and 2-hydroxyethyl acrylate-blocked 2,4-TDI-trimethylolpropane polymer		501098-09-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Trisiloxane, 3,3'-(3,3,4,4,5,5,6,6,7,7,8,8-dodecafluoro-1,10-decanediyl)bis[3-[(dimethylsilyl)oxy]-1,1,5,5-tetramethyl-, reaction products with 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-1-undecene		185701-89-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Silicic acid (H4SiO4), disodium salt, reaction products with chlorotrimethylsilane and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol		125476-71-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●														●		●
Poly[[1,3-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-1,3:1,3-disiloxanediylidene]-1,3-		161045-59-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,5-Trisiloxanediol, 3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-1,1,3,5,5-pentamethyl- (9CI)		165320-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Perfluoroalkylethyl acrylates (C6-C14)		85631-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●												●		●		●
Decane, 10-bromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		21652-57-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		38550-35-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,9,9,9-octadecafluoro-8-iodo-		922524-04-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decyne, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		55009-88-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Dodecane, 12-bromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		332136-76-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Decane, 9,10-dibromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		51249-63-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		99325-00-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		92835-74-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		96791-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,11,11,12,12,12-docosafluoro-9-iodo-		641617-25-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,11,11,12,12,13,13,14,14,14-hexacosafluoro-		53638-09-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Decane, 9,9,10-tribromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		59665-26-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Dodecane, 11,12-dibromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		214358-54-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		176979-17-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decene, 2-bromo-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		51249-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Eicosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		1257261-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,11,11,12,12,13,13,14,14,14-hexacosafluoro-9-iodo-		53638-13-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decene, 2-chloro-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		110927-73-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanamine, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		30670-30-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Docosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		176979-18-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		1257261-94-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Hexacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		176979-19-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Hexacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-12-iodo-		1257261-91-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		1257261-95-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanethiol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		34143-74-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-iodo-		38550-45-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)bis(1-methylethyl)-		356056-15-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-2-methyl-		136022-91-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Decanal, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		135984-68-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Dodecanethiol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		34451-28-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)-		102488-49-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Tridecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-2-iodo-		38550-46-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decene, 1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-iodo-,(Z)- (9CI)		56184-40-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-		94159-84-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Dodecanal, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		864551-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)bis(1-methylethyl)-		356056-16-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Docosane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,22-tetratriacontafluoro-10,13-diiodo-		460744-98-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Eicosane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20-triacontafluoro-9,12-diiodo-		25474-72-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
5-Tetradecene,1,1,1,2,2,3,3,4,4,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-hexacosafluoro-, (E)- (9CI)		51249-69-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tetracosane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24,24,24-tetratriacontafluoro-10,15-diiodo-		959462-52-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Heneicosane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,21-tetratriacontafluoro-10,12-diiodo-		1254971-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)trimethoxy-		123445-18-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silanamine, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-N,N,1,1-tetramethyl-		1221157-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
6-Tetradecene, 1,1,1,2,2,3,3,4,4,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluoro-		53638-14-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,4-Butanediol, 2-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)-		135440-42-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
8-Hexadecene,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-triacontafluoro-, (E)- (9CI)		35709-15-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Decanoyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		64018-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Heptacosane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,18,18,19,19,20,20,21,21,22,22,23,23,24,24,25,25,26,26,27,27,27-dotetracontafluoro-12,16-diiodo-		784189-62-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octacosane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,19,19,20,20,21,21,22,22,23,23,24,24,25,25,26,26,27,27,28,28,28-dotetracontafluoro-12,17-diiodo-		1980064-30-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Hexacosane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24,24,25,25,26,26,26-dotetracontafluoro-12,15-diiodo-		1980086-18-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silanediamine, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-N,N,N',N',1-pentamethyl-		186599-47-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphinic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		731858-13-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silane, triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)-		146090-84-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Dodecanoyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		64018-26-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Decenal, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluoro-, (2Z)-		142502-68-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphinic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)-		731858-15-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silanetriamine, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-N,N,N',N',N'',N''-hexamethyl-		186599-45-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-2-methyl-		136022-86-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)tripropoxy-		521084-64-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		80220-63-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propanol, 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		36880-07-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, sodium salt (9CI)		92678-93-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)tris(1-methylethoxy)-		246234-80-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, compd. with N,N-diethylethanamine (1:1) (9CI)		92678-96-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Ethanol, 2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)amino]-		27607-42-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Dodecenal, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-eicosafluoro-		864551-40-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Dodecenal, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-eicosafluoro-,(2Z)-		1383918-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Disiloxane, 1,3-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-1,1,3,3-tetramethyl-		129498-18-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)-		252237-39-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
3-Undecen-2-one, 4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-hexadecafluoro-, (Z)-(9CI)		136909-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Oxirane, 2-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl)-		38565-53-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, dimethyl ester (9CI)		61726-43-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-isocyanato-		142010-50-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Benzene, 1-bromo-4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		195324-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		27619-90-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Oxirane, 2-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)-		52835-16-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Decane, 10,10-diethoxy-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		133377-48-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Benzene, 1-bromo-3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		340157-97-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)-, dimethyl ester (9CI)		61726-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Oxirane, 2-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11,11-heneicosafluoroundecyl)-		38565-54-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Decanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		39108-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Ethanol, 2,2'-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)imino]bis-		27607-36-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Benzenemethanol, 4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		356055-77-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Benzenemethanamine, 4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		609816-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		96497-21-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Dodecane, 12-azido-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		145876-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Dodecanesulfonyl chloride,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		27619-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(hydrogen sulfate), potassium salt (1:1)		1262446-13-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, 1-(dihydrogen phosphate), ammonium salt (1:2)		93857-45-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-acetate		37858-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, diethyl ester		90146-96-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Dodecanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		120226-60-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, 1-(hydrogen sulfate), potassium salt (1:1)		1262446-14-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Ethanethioic acid, S-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester		125640-21-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
8,10-Heptadecanedione,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-triacontafluoro-		36554-97-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)-, diethyl ester (9CI)		854095-13-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanaminium, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-N,N-bis(2-hydroxyethyl)-N-methyl-, iodide (1:1)		31841-41-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Disulfide, bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)		42977-21-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, bis(1-methylethyl) ester (9CI)		90183-56-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphinic acid, bis(heptadecafluorooctyl)-, sodium salt (9CI)		500776-69-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Decane, 10-(ethenylsulfonyl)-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		93345-48-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-fluoro-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester		96250-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Pyridinium, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-,iodide (1:1)		25935-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Pyridinium, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-,4-methylbenzenesulfonate (1:1)		61798-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl ester		15498-45-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(dihydrogen phosphate), ammonium salt (1:1)		93776-20-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, 1-(dihydrogen phosphate), ammonium salt (1:1)		93776-21-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1,1',1''-phosphate		149790-22-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Phenol, 4-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		142623-70-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, phosphate (3:1) (9CI)		106554-16-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Phosphine, [4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]diphenyl-		462996-04-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenedioic acid (2Z)-, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester		54950-04-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenedioic acid (2E)-, mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester (9CI)		86130-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Benzoic acid, 4-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]-		188034-84-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2,8,9-Trioxa-5-aza-1-silabicyclo[3.3.3]undecane, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-iododecyl)-		135587-17-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenedioic acid, 1-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl) ester		152682-85-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenedioic acid (2Z)-, 1-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl) ester		229957-05-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Benzenemethanol, 4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-α,α-diphenyl-		649561-66-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Iodine, bis(acetato-βO)[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]- (9CI)		882186-02-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(4-methylbenzenesulfonate)		113823-56-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Phosphine, bis[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]phenyl-		892154-91-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)methylamino]ethyl ester		93491-54-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Butanedioic acid, 2-methylene-, 1,4-bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl) ester		243977-25-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Glycine, N-[3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-2-hydroxypropyl]-N-methyl-		93128-66-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Phosphine, tris[3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]-		342889-38-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Benzene, 1-[chloro[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]phenylmethyl]-4-methoxy-		865758-37-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3-Pyridinecarboxylic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester		331716-84-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenedioic acid (2Z)-, 1,4-bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl) ester		234096-30-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenedioic acid (2E)-, 1,4-bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl) ester		934166-50-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Benzenesulfonamide, 4-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)oxy]-		89932-76-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Benzene, 1-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10,11,11,12,12,12-heneicosafluorododecyl)sulfonyl]-4-(hexyloxy)-		1161917-33-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Benzene, 1-[chlorobis(4-methoxyphenyl)methyl]-4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		865758-36-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Benzenemethanol, 4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-α,α-bis(4-methoxyphenyl)-		865758-47-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Palladium, dichlorobis[tris[3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]phosphine-βP]-		343343-17-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]methylamino]ethyl ester		48077-95-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)sulfonyl]methylamino]ethyl ester		72276-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
β-D-Glucopyranosiduronic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl		864551-34-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Carbonic acid, 2,5-dioxo-1-pyrrolidinyl [4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]methylester		556050-49-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Thymidine, 5'-O-[[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]bis(4-methoxyphenyl)methyl]-, 3'-[2-cyanoethyl N,N-bis(1-methylethyl)phosphoramidite]		902456-09-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Cytidine, N-benzoyl-2'-deoxy-5'-O-[[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]bis(4-methoxyphenyl)methyl]-, 3'-[2-cyanoethyl N,N-bis(1-methylethyl)phosphoramidite]		1401422-19-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Guanosine, 2'-deoxy-5'-O-[[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl](4-methoxyphenyl)phenylmethyl]-N-(2-methyl-1-oxopropyl)-, 3'-[2-cyanoethyl N,N-bis(1-methylethyl)phosphoramidite]		1401422-22-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Guanosine, 2'-deoxy-5'-O-[[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]bis(4-methoxyphenyl)methyl]-N-(2-methyl-1-oxopropyl)-, 3'-[2-cyanoethyl N,N-bis(1-methylethyl)phosphoramidite]		1401422-21-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octane, 1,1,1,2,3,3,4,4,5,5,6,6-dodecafluoro-8-iodo-2-(trifluoromethyl)-		18017-20-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Octanol, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)-		20015-46-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Nonanol, 4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-2-iodo-8-(trifluoromethyl)-		16083-62-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Nonanol, 1-amino-4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-8-(trifluoromethyl)-		58935-89-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Oxirane, 2-[2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptyl]-		24564-77-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl ester		50836-65-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl ester		50836-66-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenethioic acid, 2-methyl-, S-[3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl] ester		30769-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-2-hydroxy-8-(trifluoromethyl)nonyl ester		16083-75-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-2-hydroxy-8-(trifluoromethyl)nonyl ester		16083-81-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Phenol, 4-bromo-2-[4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-8-(trifluoromethyl)nonyl]-		610778-18-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Fatty acids, C6-18, perfluoro, ammonium salts		72623-77-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●							●								●		●
2-Oxepanone, homopolymer, decyl perfluoro-C8-14-alkyl esters, reactionproducts with 1H-imidazole-1-propanamine, polyethylene-polypropyleneglycol and TDI homopolymer		332076-28-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Oxepanone, homopolymer, decyl perfluoro-C8-14-alkyl esters, reactionproducts with 1H-imidazole-1-propanamine and TDI homopolymer		332076-33-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Oxepanone, homopolymer, decyl perfluoro-C8-14-alkyl esters, reactionproducts with 1H-imidazole-1-propanamine, polyethylene glycol and TDIhomopolymer		332076-34-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Alcohols, C8-14, γ-ω-perfluoro		68391-08-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●														●		●
Alcohols, C7-22, ε-ω-perfluoro-, β-δ-fluoro		90622-43-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Tridecanol, 1,1'-[oxybis[(1-methyl-2,1-ethanediyl)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro- (9CI)		93776-01-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2,5,8,11,14,17,20,23,26,29-Decaoxadotetracontan-31-ol,33,33,34,34,35,35,36,36,37,37,38,38,39,39,40,40,41,41,42,42,42-heneicosafluoro-		93776-07-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Quaternary ammonium compounds, dimethyl(γ-ω-perfluoro-C8-14-β-alkenyl)[2-(sulfooxy)ethyl], inner salts		85631-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Quaternary ammonium compounds, (hydroxyethyl)dimethyl(γ-ω-perfluoro-C8-14-β-alkenyl), chlorides		91081-09-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Quaternary ammonium compounds, (hydroxyethyl)dimethyl(γ-ω-perfluoro-C8-14-β-alkenyl), Me sulfates (salts)		92129-34-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Ethanol, 2-(methylamino)-, N-(γ-ω-perfluoro-C8-14-β-alkenyl) derivs.		97660-44-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Betaines, N-(hydroxyethyl)-N-methyl-N-(2-sulfoethyl)-N-(1,1,2-trihydroperfluoro-C8-14-2-alkenyl)		98219-29-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Betaines, (hydroxyethyl)methyl(γ,ω-perfluoro-C8-14-β-alkenyl)(2-sulfopropyl)		115340-82-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Quaternary ammonium compounds, trimethyl(δ-ω-perfluoro-C8-14-β-alkenyl), chlorides		115535-36-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Quaternary ammonium compounds, diethylmethyl(γ-ω-perfluoro-C8-14-β-alkenyl), Me sulfates		127133-57-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Quaternary ammonium compounds, diethylmethyl(γ-ω-perfluoro-C8-14-β-alkenyl), tetraphenylborates		145477-02-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Quaternary ammonium compounds, diethylmethyl(γ-ω-perfluoro-C8-14-β-alkenyl), tetrafluoroborates		153325-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Propanedioic acid, mono(γ-ω-perfluoro-C8-12-alkyl) derivs., di-me esters		238420-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Propanedioic acid, mono(γ-ω-perfluoro-C8-12-alkyl) derivs., bis[4-(ethenyloxy)butyl] esters		238420-80-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Fatty acids, C9-15-unsatd., γ-ω-perfluoro, Et esters, reaction products with(3-hydroxypropoxy)-terminated di-Me siloxanes, Me Et ketone oxime,polymethylenepolyphenylene isocyanate and polypropylene		510732-30-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with methyl 2-methyl-2-propenoate		93705-98-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, ε-ω-perfluoro-C8-22-alkyl esters, γ-δ-fluoro derivs.		91648-32-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-(acetyloxy)-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-octadecafluoro-11-(trifluoromethyl)dodecyl ester, homopolymer (9CI)		90062-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,2,4,5-Benzenetetracarboxylic acid, mixed 3-chloro-2-hydroxypropyl and γ-ω-perfluoro-C8-14-alkyl esters		68954-01-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide and 2-propenoic acid, 2-methyl-, octadecyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate		119973-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate		142636-88-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, 2-hydroxyethyl 2-propenoate, 2-methyloxirane polymer with oxirane mono(2-methyl-2-propenoate), and3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate		142636-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, phenylmethyl ester, polymer with 1,1-dichloroethene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, 2-hydroxyethyl 2-propenoate and3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate		142636-91-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,block, peroxidized adipoyl chloride-triethylene glycol polymer-initiated		146289-38-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers withBu acrylate, γ-ω-perfluoro-C8-14-alkyl acrylate and polyethylene glycolmonomethacrylate, 2,2'-(1,2-diazenediyl)bis[2,4-dimethylpentanenitrile]-initiated		150135-57-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with δ-ω-perfluoro-C10-16-alkyl acrylate and vinyl acetate		174125-96-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, C12-14-alkyl esters, polymers with Bu (1-oxo-2-propenyl)carbamate and δ-ω-perfluoro-C6-12-alkyl acrylate		178233-67-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Fatty acids, linseed-oil, γ-ω-perfluoro-C8-14-alkyl esters		178535-23-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with γ-ω-perfluoro-C10-16-alkyl acrylate and vinyl acetate		186397-57-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,peroxidized adipoyl chloride-triethylene glycol polymer-initiated		193635-71-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with γ-ω-perfluoro-C10-16-alkyl acrylate and vinyl acetate, acetates		196316-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, γ-ω-perfluoro-C6-16-alkyl esters, polymerswith 1-(3,4-dichlorophenyl)-1H-pyrrole-2,5-dione and sodium 4-ethenylbenzenesulfonate (1:1)		202875-75-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, hexadecyl ester, polymers with 2-hydroxyethylmethacrylate, γ-ω-perfluoro-C10-16-alkyl acrylate and stearyl methacrylate		203743-03-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and Me Etketone oxime, polymers with 2-ethylhexyl acrylate, 2-hydroxyethyl acrylateand γ-ω-perfluoro-C8-20-alkyl acrylate		221455-72-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Alcohols, C8-14, γ-ω-perfluoro, polymers with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), methanol, stearylacrylate, stearyl methacrylate, 2,4-TDI and vinyl chloride		376364-33-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with γ-ω-perfluoro-C8-14-alkyl acrylate, acetates, N-oxides		479029-28-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
10,13,16,19-Tetraoxaoctacosadiene, tetratriacontafluoro- (9CI)		84029-54-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) esters, polymers with N-(hydroxymethyl)-2-propenamide, γ-ω-perfluoro-C8-18-alkyl acrylate andvinyl chloride		502135-45-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymers with γ-ω-perfluoro-C6-16-alkyl acrylate and stearyl acrylate		503284-73-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, γ-ω-perfluoro-C6-16-alkyl esters, polymers withacrylonitrile, N-(butoxymethyl)-2-propenamide, polyethylene glycoldimethacrylate and polyethylene glycol methacrylate Me ether		503287-56-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenedioic acid, 2-methyl-, (2Z)-, polymers with γ-ω-perfluoro-C8-16-alkyl acrylate, stearyl acrylate and styrene		503296-97-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, polymers with γ-ω-perfluoro-C8-16-alkyl acrylate andstearyl acrylate		503297-86-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester, polymers with C14-24-alkyl methacrylate, cyclohexyl methacrylate, 2-hydroxyethyl acrylate, γ-ω-perfluoro-C6-16-alkyl acrylate and 2-[[[[[1,3,3-trimethyl-5-[[[[(1-methylpropylidene)amino]oxy]carbonyl]amino]cyclohexyl]methyl]amino]carbonyl]oxy]ethyl methacrylate		503299-29-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-[[[[[1,3,3-trimethyl-5-[[[[(1-methylpropylidene)amino]oxy]carbonyl]amino]cyclohexyl]methyl]amino]carbonyl]oxy]ethyl ester, polymers with 2-ethylhexyl acrylate, 2-hydroxyethylacrylate and γ-ω-perfluoro-C6-16-alkyl acrylate		503299-50-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Alkyl iodides, C8-20, γ-ω-perfluoro, reaction products with potassiumacrylate		509086-57-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, cyclohexyl ester, polymers with maleicanhydride, γ-ω-perfluoro-C6-16-alkyl acrylate and 2,4,6-tris(2-propenyloxy)-1,3,5-triazine		510732-38-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, octadecyl ester, polymers with γ-ω-perfluoro-C8-14-alkyl acrylate		510732-48-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, polymers with ethylene dimethacrylate,ethylene oxide, nonadecyl acrylate, γ-ω-perfluoro-C6-16-alkyl acrylate andpropylene oxide		510733-10-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, telomers with Et acrylate,1-octanethiol and γ-ω-perfluoro-C6-16-alkyl acrylate		510734-75-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, γ-ω-perfluoro-C8-16-alkyl esters, polymers with ethyleneand N-(hydroxymethyl)-2-propenamide		511271-18-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, cyclohexyl ester, polymers with glycidylmethacrylate and γ-ω-perfluoro-C6-16-alkyl acrylate		511271-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymers with 2-[2-[2-(2-hydroxyethoxy)ethoxy]ethoxy]ethyl methacrylate, 14-hydroxy-3,6,9,12-tetraoxahexadec-1-yl methacrylate and γ-ω-perfluoro-C6-16-alkyl acrylate		512179-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymers with γ-ω-perfluoro-C8-16-alkyl acrylate and polyethylene glycol monoacrylate		515152-55-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, hydrogen phosphate, compd. with 2,2'-iminobis[ethanol](1:1) (9CI)		57677-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alkyl iodides, C8-14, γ-ω-perfluoro		85995-91-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alcohols, C8-14, γ-ω-perfluoro, reaction products with epichlorohydrin andpropylene oxide, trimethylamine-quaternized		185630-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Sulfuric acid, mono(γ-ω-perfluoro-C6-12-alkyl) esters, ammonium salts		68516-17-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl esters, reaction products with polyethylene glycolbis(2-mercaptoacetate)		68784-73-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, C4-8-alkyl esters, polymers with 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate		68988-52-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, C4-18-alkyl esters, polymers with 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate		68988-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, C7-8-alkyl esters, polymers with 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate		68988-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, C7-18-alkyl esters, polymers with 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate		68988-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Sulfuric acid, mono(γ-ω-perfluoro-C8-12-alkyl) esters, ammonium salts		84238-62-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sulfuric acid, mono(γ-ω-perfluoro-C8-14-alkyl) esters		85995-90-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Sulfuric acid, mono(γ-ω-perfluoro-C8-14-alkyl) esters, ammonium salts		101940-12-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Siloxanes and Silicones, hydroxy Me, Me octyl, Me (γ-ω-perfluoro C8-14-alkyl)oxy, ethers with polyethylene glycol mono-Me ether		170424-64-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Amines, C12-14-tert-alkyl, compds. with γ-ω-perfluoro-C6-12-alkyldihydrogen phosphate (1:1)		206009-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Amines, C12-14-tert-alkyl, compds. with bis(γ-ω-perfluoro-C6-12-alkyl)hydrogen phosphate (1:1)		206009-81-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,4-Butanediol, 2,3-bis[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs., polymerswith 1,6-diisocyanatotrimethylhexane and 2,2'-(methylimino)bis[ethanol]		68037-23-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Thiols, C6-12, γ-ω-perfluoro		68140-20-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Thiols, C10-20, γ-ω-perfluoro		68140-21-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,4-Butanediol, 2,3-bis[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs.		68187-24-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Butanoic acid, 4-[[3-(dimethylamino)propyl]amino]-4-oxo-, 2(or 3)-[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs.		68187-25-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Siloxanes and Silicones, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy Me, hydroxy Me, Me octyl, ethers withpolyethylene glycol mono-Me ether		143372-54-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Siloxanes and Silicones, hydrogen γ-ω-perfluoro-C6-10-alkyl		160965-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Sulfonic acids, C6-12-alkane, γ-ω-perfluoro, ammonium salts		180582-79-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Sulfonic acids, C8-20-alkane, γ-ω-perfluoro, compds. with triethylamine		297175-71-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Poly(oxy-1,2-ethanediyl), α-methyl-ω-hydroxy-, 2-hydroxy-3-[(γ-ω-perfluoro-C6-20-alkyl)thio]propyl ethers		70983-59-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-, 3-[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs., chlorides		70983-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanol, 2,3-bis[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs.		70983-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,4-Butanediol, polymers with 2,3-bis[(γ-ω-perfluoro-C6-20-alkyl)thio]-1,4-butanediol, C36-alkylene diisocyanate and 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane		71205-28-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Acetic acid, bis[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs.		71608-37-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Acetic acid, bis[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs., Me esters		71608-39-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Acetic acid, bis[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs., sodium salts		71608-40-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Bicyclo[2.2.1]heptane-2,3-dicarboxylic acid, 5-[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs.		71608-43-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Chromium, bis[(γ-ω-perfluoro-C8-20-alkyl)thio]acetate chloro hydroxycomplexes		71608-44-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Chromium, 4,4-bis[(γ-ω-perfluoro-C8-20-alkyl)thio]pentanoate chlorohydroxy complexes		71608-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Chromium, chloro hydroxy 5-[(γ-ω-perfluoro-C8-20-alkyl)thio]bicyclo[2.2.1]heptane-2,3-dicarboxylate complexes		71608-46-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
4,7-Methanoisobenzofuran-1,3-dione, hexahydro-, 5-[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs.		71608-58-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Pentanoic acid, 4,4-bis[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs.		71608-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Propanamide, N-(1,1-dimethyl-3-oxobutyl)-, 3-[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs.		71608-63-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Carbamic acid, N-[4-methyl-3-[[(2-methyl-1-aziridinyl)carbonyl]amino]phenyl]-, 2-[[3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl]thio]-1-[[[3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl]thio]methyl]ethyl ester		72779-05-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Disulfides, bis(γ-ω-perfluoro-C6-20-alkyl)		118400-71-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,3-Propanediol, 2,2-bis(bromomethyl)-, reaction products with ethanethiol-tetrafluoroethylene telomer		144468-31-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Fatty acids, C18-unsatd., dimers, diisocyanates, polymers with 2,3-bis(γ-ω-perfluoro-C4-18-alkyl)-1,4-butanediol, 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane and 2,2'-(methylimino)bis[ethanol]		68990-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Thiols, C4-20, γ-ω-perfluoro, reaction products with methylatedformaldehyde-1,3,5-triazine-2,4,6-triamine polymer		113089-67-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alcohols, C8-14, γ-ω-perfluoro, reaction products with epichlorohydrin,polyethylene glycol mono-Me ether and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide		118102-37-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alcohols, C8-14, γ-ω-perfluoro, reaction products with epichlorohydrin,tetrahydrofuran homopolymer and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide		118102-38-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hexane, 1,6-diisocyanato-, homopolymer, γ-ω-perfluoro-C6-20-alc.-blocked		135228-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,3-Propanediol, 2,2-bis(bromomethyl)-, reaction products with ethanethiol-tetrafluoroethylene telomer, polymers with 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane, 2-heptyl-3,4-bis(9-isocyanatononyl)-1-pentylcyclohexaneand 2,2'-(methylimino)bis[ethanol]		144468-32-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C6-12-alkyl)thio]methyl] derivs.,phosphates		148240-86-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C10-20-alkyl)thio]methyl] derivs.,phosphates		148240-88-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alcohols, C8-14, γ-ω-perfluoro, polymers with 1,6-diisocyanatohexane,ethylene glycol, glycidol and 2,4-TDI		253873-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester		26650-10-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanaminium, N-(carboxymethyl)-3-[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]amino]-N,N-dimethyl-, inner salt		34455-21-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanaminium, N-(carboxymethyl)-3-[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl)sulfonyl]amino]-N,N-dimethyl-, inner salt		34455-35-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphinic acid, bis(heneicosafluorodecyl)-(9CI)		52299-27-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, hydrogenphosphate, compd. with 2,2'-iminobis[ethanol] (1:1) (9CI)		57677-97-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alkenes, C4-20 α-, γ-ω-perfluoro		68155-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate		88248-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, compd. with N,N-diethylethanamine (9CI)		90146-97-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with octadecyl 2-propenoate		90718-04-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Undecanol, 1,1'-[oxybis[(1-methyl-2,1-ethanediyl)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-(9CI)		93776-02-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2,5,8,11,14,17,20,23,26,29-Decaoxatetracontan-31-ol,33,33,34,34,35,35,36,36,37,37,38,38,39,39,40,40-heptadecafluoro-		93776-08-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanaminium, N-(2-carboxyethyl)-3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)amino]-N,N-dimethyl-, inner salt		93776-14-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Undecanol, 1-[2-(2-butoxyethoxy)ethoxy]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-		94158-61-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Aziridineethanol, α-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl)-		94159-85-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Undecanol, 1-(ethenyloxy)-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-		94159-86-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Glycine, N-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)-N-methyl-, monopotassium salt (9CI)		94159-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-1-phenoxy-		94159-91-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenoic acid, 4-oxo-4-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)amino]-, (Z)- (9CI)		97259-81-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with octadecyl 2-methyl-2-propenoate		104242-01-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,2-Nonanediol, 4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-8-(trifluoromethyl)-, 1-(dihydrogen phosphate)		105416-14-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with ethenyltriethoxysilane (9CI)		106826-29-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,3-Isobenzofurandione, polymer with α-fluoro-ω-(oxiranylmethyl)poly(difluoromethylene) and (phenoxymethyl)oxirane (9CI)		107097-76-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Surflon 113 (9CI)		110070-82-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,octadecyl 2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate (9CI)		110570-84-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16-nonacosafluorohexadecyl 2-propenoate and3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-		112310-55-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 1,1-dichloroethene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl),3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl 2-propenoate, octadecyl 2-methyl-2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate (9CI)		112311-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl 2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate		112328-98-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and2-(phosphonooxy)ethyl 2-methyl-2-propenoate, block (9CI)		113150-11-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)		118570-85-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl),3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl 2-propenoate, octadecyl 2-propenoate and3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11		119973-84-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,block		121065-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated,polymers with 2-butyne-1,4-diol-γ-ω-perfluoro C10-20 thiol reactionproduct and 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane		127133-54-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silane, trichloro(heptadecafluorodecyl)-		146443-00-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, ammonium salt (1:1)		149724-40-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers withBu acrylate, γ-ω-perfluoro-C8-14-alkyl acrylate and polyethylene glycolmonomethacrylate		150409-17-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers withacrylonitrile, γ-ω-perfluoro-C8-14-alkyl acrylate, polyethylene glycolmonomethacrylate and styrene		150409-18-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers withMe methacrylate, γ-ω-perfluoro-C8-14-alkyl acrylate, polyethylene glycolmonomethacrylate and stearyl methacrylate		150409-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Thiols, C4-20, γ-ω-perfluoro, reaction products withhexakis(methoxymethyl)melamine and vinyl tert-decanoate		151686-30-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silane, diethoxy(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)methyl-		152992-46-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, butyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate,block (9CI)		154965-63-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Butanoic acid, 4-[[3-(dimethylamino)propyl]amino]-4-oxo-, 2(or 3)-[(γ-ω-perfluoro-C3-14-alkyl)thio] derivs.		160336-21-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alkyl iodides, C1-24, perfluoro		160402-15-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Quaternary ammonium compounds, bis(hydroxyethyl)methyl(δ-ω-perfluoro-β-hydroxy-C10-14-alkyl), iodides		160402-26-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphoric acid, mono(perfluoro-C10-18-alkyl) esters, diammonium salts		160498-33-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,2-Benzenedicarboxylic acid, bis(γ-ω-perfluoro-1-methyl-C5-20-alkyl)esters		160709-28-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-,reaction products with ammonia		160994-74-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-, reaction productswith glycidol, hydrolyzed ethylene-pentafluoroiodoethane-tetrafluoroethylene telomer reaction product and stearyl alc.		162491-88-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Trisiloxane, 3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-1,1,1,3,5,5,5-heptamethyl-		163921-85-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Poly(oxy-1,2-ethanediyl), α,α',α''-[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)silylidyne]tris[oxy(dimethylsilylene)-3,1-propanediyl]]tris[ω-methoxy-		165967-96-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with 1-ethenyl-4-[(undecafluorohexenyl)oxy]benzene, graft(9CI)		167229-03-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-,1,1'-(hydrogen phosphate)		170004-70-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Propanoic acid, 3-[(γ-ω-perfluoro-C6-18-alkyl)thio] derivs.		176590-84-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylhexyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, α-(2-methyl-1-oxo-2-propen-1-yl)-ω-methoxypoly(oxy-1,2-ethanediyl), α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl) and 3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]-1-disiloxanyl]propyl 2-methyl-2-propenoate		176741-19-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,methyloxirane polymer with oxirane mono-2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) and 3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]propyl 2-methyl-2-propenoate (9CI)		176894-23-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alcohols, C1-20, reaction products with glycidol, γ-ω-perfluoro C8-14 alcs.and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide		182700-79-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymers with N-(hydroxymethyl)-2-methyl-2-propenamide and γ-ω-perfluoro-C10-16-alkylacrylate		200295-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, butyl ester, polymers with 2-ethylhexylmethacrylate, N-(hydroxymethyl)-2-methyl-2-propenamide and γ-ω-perfluoro-C10-14-alkyl methacrylate		200295-55-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate andmethyloxirane polymer with oxirane mono-2-propenoate (9CI)		200413-68-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate		200513-42-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Alkenes, C8-14 α, γ-ω-perfluoro		210432-72-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, γ-ω-perfluoro-C8-20-alkyl esters		212013-58-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,methyloxirane polymer with oxirane mono-2-propenoate butyl ether, and 2-propenoic acid (9CI)		214002-95-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group]-terminated, polymers with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl methacrylate,3a,4,7,7a,?,?-hexahydro-4,7-methano-1H-indenyl acrylate andtricyclo[3.3.1.13,7]dec-1-yl methacrylate		218286-10-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Glycine, N,N-bis[2-hydroxy-3-(2-propen-1-yloxy)propyl]-, sodium salt(1:1), reaction products with ammonium hydroxide and 1,1,1,2,2-pentafluoro-2-iodoethane-tetrafluoroethylene telomer		220459-70-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and Me Etketone oxime, polymers with γ-ω-perfluoro-C8-20-alkyl acrylate and stearylacrylate		221455-57-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, γ-ω-perfluoro-C8-20-alkyl ester, polymers withacrylonitrile, polyethylene glycol dimethacrylate and polyethylene glycolmethacrylate Me ether		221455-61-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymers with acrylicacid-glycidyl Ph ether-TDI reaction product, γ-ω-perfluoro-C8-20-alkylacrylate and stearyl acrylate		221455-62-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-hydroxyethyl ester, polymers with γ-ω-perfluoro-C8-20-alkyl acrylate and stearyl acrylate		221455-63-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymers with 2-hydroxyethyl methacrylate-5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane-Me Et ketone oxime reaction product, γ-ω-perfluoro-C8-20-alkyl acrylate and vinyl chloride		221455-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymers with N,N-dimethyl-2-propenamide, γ-ω-perfluoro-C8-20-alkyl acrylate and vinylchloride		221455-67-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymers with N-(hydroxymethyl)-2-propenamide, γ-ω-perfluoro-C8-20-alkyl acrylate andvinyl chloride		221455-71-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with γ-ω-perfluoro-C8-20-alkyl acrylate		221455-73-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alcohols, C8-14, γ-ω-perfluoro, polymers with 5-amino-1,3,3-trimethylcyclohexanemethanamine, carbonic acid, 1,6-diisocyanatohexane,1,6-hexanediol, 1,1'-methylenebis[4-isocyanatocyclohexane] andtrimethylolpropane		223586-53-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymers with γ-ω-perfluoro-C8-20-alkyl acrylate and polyethylene glycol monomethacrylate		224790-87-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, γ-ω-perfluoro-C8-20-alkyl esters, polymers withpolyethylene glycol monomethacrylate and polypropylene glycolmonomethacrylate		224790-97-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Butanedioic acid, 2-methylene-, 4-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl) ester		230295-05-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymers withglycidyl methacrylate and γ-ω-perfluoro-C6-20-alkyl acrylate, acetates(salts)		247047-61-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecylester, polymer with N-(butoxymethyl)-2-methyl-2-propenamide, dodecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate, N-(hydroxymethyl)-2-methyl-2-propenamide,octadecyl 2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-methyl-2-propenoate (9CI)		247109-50-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,isooctadecyl 2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl), α-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)		256488-93-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers withN-(hydroxymethyl)-2-propenamide, γ-ω-perfluoro-C8-16-alkyl acrylate andstearyl acrylate		260794-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers withN-(hydroxymethyl)-2-propenamide, γ-ω-perfluoro-C8-16-alkyl acrylate,stearyl acrylate and vinyl chloride		260794-09-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylhexyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, isooctadecyl 2-propenoate, 2-methyloxirane polymer withoxirane mono-2-propenoate, and α-(2-methyl-1-oxo-2-propen-1-yl)-ω-methoxypoly(oxy-1,2-ethanediyl)		263260-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Hexanedioic acid, dimethyl ester, polymers with 2,2-bis(bromomethyl)-1,3-propanediol-ethanethiol-tetrafluoroethylene telomer reaction products		277752-44-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, homopolymer, syndiotactic (9CI)		287391-07-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, polymers with 2-ethylhexyl methacrylate, N-(hydroxymethyl)-2-propenamide and 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate		304012-61-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl group]-terminated, polymers with 2-[[[[5-[[[2-[[[[5-[[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]carbonyl]amino]		321371-84-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, dodecyl ester, polymers with(chloromethyl)ethenylbenzene, N-(hydroxymethyl)-2-propenamide and γ-ω-perfluoro-C10-14-alkyl acrylates		330809-58-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymers with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol- and 2-hydroxyethyl acrylate-blocked 2,4-TDI-trimethylolpropane polymer, Memethacrylate and octahydro-4,7-methano-1H-indenyl acrylate, tert-Bu 2-ethylhexaneperoxoate-initiated		339163-51-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
3-Cyclohexene-1-carboxylic acid, 6-[(di-2-propenylamino)carbonyl]-,(1R,6R)-rel-, reaction products with pentafluoroiodoethane-tetrafluoroethylene telomer		348137-34-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and 2-methylpropyl 2-methyl-2-propenoate		357924-15-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Alcohols, C8-14, γ-ω-perfluoro, polymers with 1,3-butanediol, 1,3-diisocyanatomethylbenzene and 2-ethyl-2-(hydroxymethyl)-1,3-propanediol		374551-53-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, telomer with 1-dodecanethiol, methyl 2-methyl-2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) (9CI)		380843-06-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with methyloxirane polymer with oxirane mono-2-propenoate,tert-Bu 2-ethylhexaneperoxoate-initiated		393582-46-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, octahydro-4,7-methano-1H-indenyl ester, polymers with γ-ω-perfluoro-C6-22-alkyl acrylate and polyethylene glycol methacrylate Meether, di-Me 2,2'-azobis[2-methylpropanoate]-initiated		393582-59-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, octadecyl ester, polymers with γ-ω-perfluoro-C6-22-alkylacrylate		393819-33-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,4-Butanediol, polymer with 1,6-diisocyanatohexane, 2-ethyl-1-hexanol-and γ-ω-perfluoro-C8-14-alc.-blocked		399026-30-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propanaminium, 3-[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]amino]-N,N,N-trimethyl-, 4-methylbenzenesulfonate (1:1)		438237-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with butyl 2-propenoate and 2,5-furandione, γ-ω-perfluoro-C8-14-alkyl esters, tert-Bubenzenecarboperoxoate-initiated		459415-06-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propen-1-ol, reaction products with 1,1,1,2,2-pentafluoro-2-iodoethane-tetrafluoroethylene telomer, dehydroiodinated, reaction products withepichlorohydrin and		464178-90-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Propanoic acid, 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-2-methyl-, lithium salt (1:1)		476304-39-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and octadecyl 2-propenoate (9CI)		477529-30-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Proline, 1-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]-, lithium salt (9CI)		503431-63-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, methyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,isooctadecyl 2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-.ω-methoxypoly(oxy-1,2-ethanediyl) and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate, 2,2'-azobis[2-methylbutanenitrile]-initiated		503448-36-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl), tert-Bu 2-ethylhexaneperoxoate-initiated		503621-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl), di-Me 2,2'-azobis[2-methylpropanoate]-initiated		503621-79-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl), tert-Bu 2-ethylhexaneperoxoate-initiated		503621-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with α-(2-methyl-1-oxo-2-propen-1-yl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)], tert-Bu 2-ethylhexaneperoxoate-initiated		503621-81-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with octahydro-4,7-methano-1H-indenyl 2-propenoate		504395-90-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, cyclohexyl ester, polymers with maleicanhydride, γ-ω-perfluoro-C8-20-alkyl acrylate and 2,4,6-tris(2-propenyloxy)-1,3,5-triazine		518045-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, polymer with butyl 2-propenoate and 2,5-furandione, γ-ω-perfluoro-C8-14-alkyl esters, potassium salts, tert-Bubenzenecarboperoxoate-initiated		524729-93-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,3-Butanediol, polymer with 1,3-diisocyanatomethylbenzene and 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol- and Me Et ketone oxime-blocked		644965-83-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, δ-ω-perfluoro-C9-15-alkyl esters		671756-62-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Poly(difluoromethylene), α-(2-hydroxyethyl)-ω-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]- (9CI)		761418-87-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		790697-52-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with ethyloxirane homopolymer monoether with 1,2-propanediol mono(2-methyl-2-propenoate), tert-Bu 2-ethylhexaneperoxoate-initiated		831241-91-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, mixed hexaesters with dipentaerythritol and 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]propanoicacid		878409-15-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C6-12-alkyl)thio]methyl] derivs.,polymers with 2,2-bis[[(γ-ω-perfluoro-C10-20-alkyl)thio]methyl]-1,3-propanediol, 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane, 2-heptyl-3,4-bis(9-isocyanatononyl)-1-pentylcyclohexane and 2,2'-(methylimino)bis[ethanol]		1078142-10-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Thiols, C4-20, γ-ω-perfluoro, telomers with acrylamide and acrylic acid,sodium salts		1078712-88-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●														●		●
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl 2-propenoate, octadecyl 2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate		1094598-90-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 2-methyl-, polymers with 2-(dimethylamino)ethylmethacrylate, Me methacrylate, γ-ω-perfluoro-C8-16-alkyl acrylate andvinylpyrrolidone, 2,2'-(1,2-diazenediyl)bis[2-methylpropanenitrile]-initiated,acetates		1223402-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, polymer with butyl 2-propenoate and 2,5-furandione, γ-ω-perfluoro-C8-14-alkyl esters, tert-Bu 2-ethylhexaneperoxoate-initiated,compds. with 2-(dimethylamino)ethanol		1264198-78-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, α-(2-methyl-1-oxo-2-propen-1-yl)-ω-methoxypoly(oxy-1,2-ethanediyl), 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate, 2-[2-(2-propoxyethoxy)ethoxy]ethyl2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate		1429174-38-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl ester,polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate		1430799-96-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymers with γ-ω-perfluoro-C8-16-alkyl methacrylate, stearyl methacrylate and tridecylmethacrylate		1221681-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, 1-(hydrogen sulfate), ammonium salt (1:1)		63225-58-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(hydrogen sulfate), ammonium salt (1:1)		63225-57-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, reaction products with acetic acid (γ-ω-perfluoro-C8-10-alkyl)thio derivs. Bu esters and polyethylenimine		1374418-39-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers withN-(1,1-dimethyl-3-oxobutyl)-2-propenamide, 2-ethylhexyl acrylate, γ-ω-perfluoro-C8-16-alkyl acrylate, stearyl acrylate and vinyl chloride, 2,2'-azobis[2-methylpropanimidamide] dihydrochloride-		325966-78-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Methanol, reaction products with 1,6-diisocyanatohexane, ethylene, ethyleneoxide, iodoethane and tetrafluoroethylene		254889-79-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-, reaction products with3-chloro-1,2-propanediol, ethylene, iodoethane and tetrafluoroethylene		254889-72-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Butanedioic acid, monopolyisobutylene derivs.,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester		253683-00-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
9-Octadecenoic acid (9Z)-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester		167289-73-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymers with maleicanhydride, 2-[[(2-mercaptoethoxy)carbonyl]amino]ethyl methacrylate, γ-ω-perfluoro-C8-16-alkyl acrylate and stearyl methacrylate		333784-46-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers with2,3-dihydroxypropyl methacrylate, γ-ω-perfluoro-C8-16-alkyl acrylate,polyethylene glycol methacrylate Me ether and polypropylene glycolmonomethacrylate		333784-44-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, reactionproducts with [(trimethylsilyl)oxy]-modified silica		254889-67-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Perfluoro compounds, C5-18		86508-42-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●														●		●
Tetradecane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-14-iodo-		30046-31-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●												●		●		●
1-Propanaminium, N-(2-carboxyethyl)-N,N-dimethyl-3-[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]amino]-, innersalt		93776-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●												●		●		●
1-Tridecanaminium, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, iodide (1:1)		93776-17-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●														●		●
Ethaneperoxoic acid, reaction products with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl thiocyanate and3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl thiocyanate		182176-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, lithium salt (1:1)		17125-58-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Pentadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-heptacosafluoro-		176676-70-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Tridecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-tricosafluoro-		1545-59-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Undecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-nonadecafluoro-		87017-97-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Undecanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-nonadecafluoro-		191852-87-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate)		54009-73-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10, 11,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt		63295-18-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10, 11,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate), compd. with 2,2'-iminobis[ethanol] (1:2)		63295-19-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, dihydrogen phosphate, diammonium salt		63295-23-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Acetic acid, 2-[[3,3,4,4,5,5,6,6,7,7,8,8,9,10,10, 10-hexadeca fluoro-1-[(phosphonooxy)methyl]-9-(trifluoromethyl) decyl]oxy]-, ammonium salt (1:2)		63295-24-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Undecanol, 2-chloro-4,4,5,5,6,6,7,7,8,8,9,9,10, 11,11,11-hexadecafluoro-10-(trifluoromethyl)-, dihydrogen phosphate		63295-22-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,11-heptadecafluoro-, dihydrogen phosphate, potassium salt		90179-37-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Diphosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl) ester, compd. with 2,2',2''-nitrilotris[ethanol] (1:3)		98005-85-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Diphosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl) ester, compd. with 2-aminoethanol (1:3)		98005-84-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,11,11,12,12,12-heneicosafluoro dodecyl) mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl) ester		1158182-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl) mono(3,3,4, 4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13 ,13,14,14,14-pentacosafluorotetradecyl)		1578186-42-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8,9, 9,10,10,11,11,12,12,12-heneicosafluorododecyl) mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11 ,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl) ester		1158182-61-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11, 11,11-hexadecafluoro-10-(trifluoromethyl)-, 1,1-(hydrogen phosphate)		63295-20-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Undecanol, 2-chloro-4,4,5,5,6,6,7,7,8,8,9,9, 10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, hydrogen phosphate		63295-26-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Nonadecanol, 12,12,13,13,14,14,15,15,16, 16,17,17, 18,18,19,19,19-heptadecafluoro-, dihydrogen phosphate		2343-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Phosphoric acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl bis(3,3,4,4,5,5,6,6, 7,7,8,8,8-tridecafluorooctyl) ester		1578186-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphoric acid, bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl) 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester		1578186-56-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Phosphoric acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,12-heneicosafluorododecyl 3,3,4,4, 5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester		1578186-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Phosphoric acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,12-heneicosafluorododecylbis (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) ester		1578186-57-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanesulfonamide, 3,3,4,4,5,5,6,6,7,7,8,8,9, 9,10,10,10-heptadecafluoro-N-[3-(phosphorno oxy)propyl]-N-propyl-, sodium salt (1:2)		441765-20-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluoro-1-(hydroxymethyl)decyl ester		146955-29-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,11-heptadecafluoro-2-hydroxyundecyl ester		76962-34-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Silane, tetrakis[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl)thio]ethyl]-		1189587-64-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		77117-48-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		1835250-28-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		182130-12-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		1835250-47-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		182130-14-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		182130-15-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		6145-05-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Heptadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		931415-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		138472-76-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		117146-18-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Hexacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		133310-73-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		137338-39-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Triacontane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		137338-40-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dotriacontane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		137338-41-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		154478-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		1835251-22-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		1244062-17-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		250738-42-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		116177-54-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Heptadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		200817-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		93454-70-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Nonadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		125635-85-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Eicosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		90499-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Docosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-		93454-71-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Eicosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20-tetratriacontafluoro-		133299-41-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24, 24,24-tetratriacontafluoro-		100550-08-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
9-Tetracosene, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		1244062-16-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-		31200-97-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Nonanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-		423-56-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-		307-37-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Undecanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heneicosafluoro-		307-46-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Nonanal, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-		63967-40-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Decanal, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-		335-73-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Undecanal, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heneicosafluoro-		63967-42-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Ethanol, 2-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]ethoxy]-		56900-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Propanol, [2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 10-heptadecafluorodecyl)oxy]methylethoxy]-		88243-13-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethanol, 2-[2-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl)oxy]methylethoxy] methylethoxy]-		88243-12-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12-Tetraoxadocosan-1-ol, 15,15,16,16,17, 17,18,18,19,19,20,20,21,21,22,22,22-heptadecafluoro-		55427-54-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12-Tetraoxadocosan-1-ol, 15,15,16,16,17, 17,18,18,19,19,20,20,21,21,22,22,22-heptadecafluorodimethyl-		88271-22-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12-Tetraoxadocosan-1-ol, 15,15,16,16,17, 17,18,18,19,19,20,20,21,21,22,22,22-heptadecafluorotetramethyl-		88243-14-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12,15-Pentaoxapentacosan-1-ol, 18,18,19, 19,20,20,21,21,22,22,23,23,24,24,25,25,25-heptadecafluoropentamethyl-		88243-15-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12,15,18-Hexaoxaoctacosan-1-ol, 21,21,22, 22,23,23,24,24,25,25,26,26,27,27,28,28,28-heptadecafluoro-		88247-39-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12,15,18-Hexaoxaoctacosan-1-ol, 21,21,22, 22,23,23,24,24,25,25,26,26,27,27,28,28,28-heptadecafluoropentamethyl-		88243-11-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12,15,18-Hexaoxaoctacosan-1-ol, 21,21,22, 22,23,23,24,24,25,25,26,26,27,27,28,28,28-heptadecafluoro hexamethyl-		88243-16-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12,15,18,21-Heptaoxahentriacontan-1-ol, 24,24,25,25,26,26,27,27,28,28,29,29,30, 30,31,31,31-heptadecafluoropentamethyl-		88243-10-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12,15,18,21,24-Octaoxatetratriacontan-1-ol, 27,27,28,28,29,29,30,30,31,31,32,32,33,33,34,34,34-heptadecafluoro-		88247-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12,15,18,21,24-Octaoxatetratriacontan-1-ol, 27,27,28,28,29,29,30,30,31,31,32,32,33,33,34,34,34-heptadecafluorooctamethyl-		88243-17-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
3,6,9,12,15-Pentaoxapentacosan-1-ol, 18,18, 19,19,20,20,21,21,22,22,23,23,24,24,25,25,25-heptadecafluoropentamethyl-,		88243-09-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1,2-Propanediol, 3-[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl)oxy]-		121500-31-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
11,14,17,20,23,26,29,32-Octaoxaoctatetracontan-33-one, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		67549-47-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Tridecanoic acid, 27,27,28,28,29,29,30,30,31,31, 32,32,33,33,34,34,34-heptadecafluoro-3,6,9,12, 15,18,21,24-octaoxatetra triacont-1-yl ester		67535-33-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Oxirane, 2-[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]methyl]-		114482-33-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanaminium, N,N-diethyl-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-2-hydroxy-N-methyl-, iodide (1:1)		99679-40-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Undecanaminium, 4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,11-heptadecafluoro-2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, iodide (1:1)		93776-18-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Undecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,11-nonadecafluoro-1-[(1-methylpropyl) amino]-		94817-79-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Dodecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11, 12,12,12-nonadecafluoro-1-[(1-methylpropyl) amino]-		94817-80-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, 3-[[4-[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl)oxy]-1,4-dioxo-2-buten-1-yl]amino]-N,N,N-trimethyl-, iodide (1:1)		121912-26-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethanaminium, N-ethyl-2-[[[[3-[[[[3-[[[[3-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadeca fluorodecyl)oxy]carbonyl]amino]methylphenyl] amino]carbonyl]amino]methylphenyl]amino]carbonyl]amino]methylphenyl]amino]carbonyl]oxy]-N,N-dimethyl-, ethyl sulfate		100155-23-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Ethanaminium, N-ethyl-2-[[[[3-[[[3-[[[3-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadeca fluorodecyl)oxy]carbonyl]amino]methylphenyl] carbonimidoyl]amino]methylphenyl]carbonimidoyl]amino]methylphenyl]amino]carbonyl]oxy]-N,N-dimethyl-, ethyl sulfate		100107-48-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanaminium, N-(carboxymethyl)-3,3,4,4,5,5, 6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-N,N-dimethyl-		2089109-26-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Dodecanaminium, N-(carboxymethyl)-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-heneicosafluoro-N,N-dimethyl-		2089109-27-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanaminium, N-(carboxymethyl)-3,3,4,4,5,5, 6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-N,N-dimethyl-, inner salt		145441-32-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Dodecanaminium, N-(carboxymethyl)-4,4,5,5,6,6,7,7,8,8,8,9,9,10,10,11,11,12,12,12-nonadecafluoro-N,N-dimethyl-, inner salt		171184-16-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Tetradecanaminium, N-(carboxymethyl)-4,4,5,5,6,6,7,7,8,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-tricosafluoro-N,N-dimethyl-, inner salt		171184-17-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Dodecanaminium, N-(carboxymethyl)-3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-eicosafluoro-N,N-dimethyl-, inner salt		171184-04-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Dodecanaminium, N-(carboxymethyl)-5,5,6,6, 7,7,8,8,9,9,10,10,11,11,12,12,12-heptadeca fluoro-N,N-dimethyl-		2089109-30-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Undecanaminium, 2-(acetyloxy)-N-(carboxy methyl)-4,4,5,5,6,6,7,7,8,8,8,9,9,10,10,11,11,11-heptadecafluoro-N,N-dimethyl-, inner salt		80234-03-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Tridecanaminium, 2-(acetyloxy)-N-(carboxy methyl)-4,4,5,5,6,6,7,7,8,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-N,N-dimethyl-, inner salt		80244-66-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenamide, telomer with 3,3,4,4,5,5,6,6,7,7, 8,8,9,9,10,10,10-heptadecafluoro-1-decanethiol		76830-13-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propenamide, telomer with 3,3,4,4,5,5,6,6,7,7, 8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-1-dodecanethiol		121913-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Decanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8,9, 9,10,10,10-heptadecafluoro-, potassium salt (1:1)		438237-73-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Butanedioic acid, 2-sulfo-, 1,4-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester, sodium salt (1:1)		54950-06-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Acetic acid, 2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 10-heptadecafluorodecyl)thio]-, lithium salt (1:1)		441765-12-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Propanoic acid, 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl)thio]-		54207-62-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Propanoic acid, 3-[(3,3,4,4,5,5,6,6,7,7,8,8,8,9,9,10, 10,10-heptadecafluorodecyl)thio]-, lithium salt (1:1)		481050-04-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Ethanesulfonic acid, 2-[(3,3,4,4,5,5,6,6,7,7,8,8,8,9, 9,10,10,10-heptadecafluorodecyl)thio]-, lithium salt (1:1)		441765-14-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propanol, 1,3-bis[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl)thio]-		160819-47-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propanol, 1-[(2-dodecylhexadecyl)oxy]-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		160819-50-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2-Propanol, 1-[(2-decyltetradecyl)oxy]-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		160819-49-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
2,5,8,11,14,17,20,23-Octaoxa-27-thiaheptatria contan-25-ol, 30,30,31,31,32,32,33,33,34,34,35, 35,36,36,37,37,37-heptadecafluoro-		121912-28-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		727351-53-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 12-heneicosafluorododecyl)sulfinyl]-		1513864-17-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-, chloride (1:1)		71940-07-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Ethanaminium, 2-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl)thio]ethoxy]-N,N,N-trimethyl-, iodide (1:1)		71625-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Acetamide, N-[3-(dimethylamino)propyl]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		1513863-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Acetamide, N-[3-(dimethylamino)propyl]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12, 12,12-heneicosafluorododecyl) thio]-		1513863-92-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, 3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl)thio]acetyl] amino]-N,N,N-trimethyl-		704870-51-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, 3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,11,11,12,12,12-heneicosafluorodo decyl)thio]acetyl]amino]-N,N,N-trimethyl-		1513864-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, N-ethyl-3-[[3-[(3,3,4,4,5, 5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) thio]-2-methyl-1-oxopropyl]amino]-N,N-dimethyl-, ethyl sulfate (1:1)		67333-62-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, N-(carboxymethyl)-3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]acetyl] amino]-N,N-dimethyl-, inner salt		1513863-96-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanaminium, N-(carboxymethyl)-3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12, 12,12-heneicosafluorododecyl) thio]acetyl] amino]-N,N-dimethyl-, inner		1513863-97-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Butanoic acid, 4-[[3-(dimethylamino)propyl] amino]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) thio]-4-oxo-		1383438-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Butanoic acid, 4-[[3-(dimethylamino)propyl] amino]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,12,12,12-heneicosa fluorododecyl)thio]-4-oxo-		1383438-90-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6, 7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-1-oxopropyl]amino]-2-methyl-		755698-73-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6, 7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro dodecyl)thio]-1-oxopropyl]amino]-2-methyl-		690947-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6, 7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-1-oxopropyl]amino]-2-methyl-, sodium salt (1:1)		62880-96-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6,7, 7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro dodecyl)thio]-1-oxopropyl]amino]-2-methyl-, sodium salt		62880-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfinyl]-		1513864-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6,7, 7,8,8,9,9,10,10,10-heptadecafluorodecyl) sulfinyl]-1-oxopropyl]amino]-2-methyl-		1513864-12-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6,7, 7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro dodecyl)sulfinyl]-1-oxopropyl]amino]-2-methyl-		1513864-11-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		80475-33-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Decanesulfonamide, N-[3-(dimethylamino) propyl]-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		34455-23-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
1-Dodecanesulfonamide, N-[3-(dimethylamino) propyl]-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		34455-24-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Ethanaminium, N-(2-carboxyethyl)-2-[[(3,3,4,4, 5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro decyl)sulfonyl]amino]-N,N-dimethyl-, inner salt		34695-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Ethanaminium, N-(2-carboxyethyl)-2-[[(3,3,4,4, 5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl) sulfonyl]amino]-N,N-dimethyl-, inner salt		34695-31-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Glycine, N-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]-N-propyl-, lithium salt		441765-18-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
β-Alanine, N-(2-carboxyethyl)-N-[6-[[(3,3,4,4, 5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro decyl)sulfonyl]amino]hexyl]-, dipotassium salt		98900-53-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
2-Propenoic acid, polymer with 2-ethenylnaphthalene and 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl 2-propenoate		934505-67-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Glycine, N-ethyl-N-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)-, ammonium salt		138473-79-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-(14-hydroxy-3,6,9,12-tetraoxatetradec-1-yl)-		89932-71-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●														●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethanaminium, N,N,N-trimethyl-2-[(2,2,3,3,4,4, 5,5,6,6,7,7,7-pentadecafluoro-1-oxooctyl)amino]-, chloride (1:1)		178766-44-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanamide, N-[3-(dimethylamino)propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		376-23-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Pentanaminium, N,N,N-trimethyl-5-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, iodide (1:1)		91707-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanamide, N-[3-(dimethyloxidoamino)propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		30295-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Pyridinium, 1-[2-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]ethyl]-, chloride (1:1)		308-01-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Pyridinium, 1-[2-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]ethyl]-, bromide (1:1)		331755-02-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Piperazinium, 1-(2-hydroxyethyl)-1-methyl-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)-, chloride (1:1)		103555-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Ethanesulfonic acid, 2-[ethyl(2,2,3,3,4,4,5,5,6,6, 7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, potassium salt (1:1)		57670-46-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
1-Propanesulfonic acid, 3-[(3-aminopropyl)(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-2-hydroxy-, sodium salt (1:1)		98900-76-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Benzenesulfonic acid, 4-[[[3-(methylamino) propyl](2,2,3,3,4,4 ,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]methyl]-, sodium salt (1:1)		98900-75-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-[3-(trimethoxysilyl)propyl]-		98046-76-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
Poly(oxy-1,2-ethanediyl), α-[dimethoxy[3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]propyl]silyl]-ω-[[dimethoxy[3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-		154380-30-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●															●		●
PFCAs (C9-C14), Linear and branched perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain, their salts and related substances, identified in rows		-																				
PFCAs (C9-C14) and their salts	PFCA類(C9-C14)およびその塩		Prohibited			●																	
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)dodecanoyl fluoride		15811-52-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●																
Docosafluoro-11-(trifluoromethyl)dodecanoic acid		16486-96-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●																
Hexacosafluoro-13-(trifluoromethyl)tetradecanoic acid		18024-09-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoro-n-undecanoic acid		2058-94-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●	●													
Perfluorononan-1-oic acid, sodium salt		21049-39-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●											●			
Perfluorododecanoic acid		307-55-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●	●						●							
Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate		307-71-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●															
Ammonium nonadecafluorodecanoate		3108-42-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●											●			
Decanoic acid, nonadecafluoro-		335-76-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●	●										●	●		
Ammonium octadecafluoro-9-(trifluoromethyl)decanoate		3658-63-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●															
Nonanoic acid, heptadecafluoro-		375-95-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●	●										●			
Perfluoromyristic acid		376-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●	●						●							
Ammonium tricosafluorododecanoate		3793-74-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●															
Sodium nonadecafluorodecanoate		3830-45-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●											●			
Perfluorononan-1-oic acid, ammonium salt		4149-60-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●											●			
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)lauric acid, compound with ethylamine (1:1)		68015-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●															
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafluoro-13-(trifluoromethyl)myristoyl fluoride		68025-62-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●															
Pentacosafluorotridecanoic acid		72629-94-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb	●	●	●	●						●							
PFCAs (C9-C14) related substances	PFCA類(C9-C14)関連物質		Prohibited			●																
Alkyl iodides, C6-18, perfluoro		90622-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
C10-2 fluorotelomer alcohol; 1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-		865-86-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●				
C10-2 telomer B iodide:		2043-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●				
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-12-iodododecane		307-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
2-Propenoic acid, gamma-omega-perfluoro-C8-14-alkyl esters		85631-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoropentadecan-2-ol		94159-79-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl phosphate		94200-50-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl dihydrogen phosphate		63295-28-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-icosafluoro-11-(trifluoromethyl)dodecyl methacrylate		74256-14-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecan-1-yl][bis(2-hydroxyethyl)]methylammonium iodide		93776-17-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●															
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafluoro-2-hydroxyheptadecyl dihydrogen phosphate		94200-43-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	●	●															
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl phosphate		94200-51-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Nonacosafluoro-1-iodotetradecane		307-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Eicosafluoro-10-iodo-2-(trifluoromethyl)decane		677-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-14-iodotetradecane		30046-31-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●				
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs.		68412-69-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Amides, C7-19, alpha-omega-perfluoro-N,N-bis(hydroxyethyl)		90622-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl methacrylate		4980-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl acrylate		16083-87-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Fatty acids, C7-13, perfluoro		68333-92-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●						●					●				
1,1'-[oxybis[(1-methylethylene)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoropentadecan-2-ol]		93776-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecyl dihydrogen phosphate		94158-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl phosphate		94200-47-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Henicosafluoro-10-iododecane		423-62-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Nonadecafluoro-9-iodononane		558-97-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Octacosafluoro-14-iodo-2-(trifluoromethyl)tetradecane		3248-63-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl methacrylate		6014-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-icosafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl dihydrogen phosphate		63295-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafluoro-16-iodohexadecane		65510-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●				
1-(Carboxylatomethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)piperazinium; Piperazinium, 1-(carboxymethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)-, hydroxide, inner salt		71356-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl methacrylate		74256-15-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
(2-carboxylatoethyl)(dimethyl)[[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]amino]propyl]ammonium		93776-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Bis(2-hydroxyethyl)methyl(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl)ammonium iodide		93776-16-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	●	●															
1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-14-(trifluoromethyl)pentadecan-2-ol		94159-82-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl methacrylate		2144-54-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl acrylate		17741-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●				
Alkyl iodides, C4-20, gamma-omega-perfluoro		68188-12-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
(2-carboxylatoethyl)(dimethyl)[3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl)amino]propyl]ammoniu		93776-12-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-icosafluoro-12-(trifluoromethyl)tridecan-1-ol		94159-83-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl dihydrogen phosphate		94200-42-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	●	●															
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafluoro-2-hydroxyheptadecyl phosphate		94200-48-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoic acid		1765-48-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	●	●															
Bis[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl] hydrogen phosphate		1895-26-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl acrylate		52956-82-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecanol		60699-51-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●				
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodoundecane		65510-56-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
2-Propenoic acid, perfluoro-C8-16-alkyl esters		85681-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts		93062-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(trifluoromethyl)dodecane		3248-61-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecanol		39239-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	●	●											●				
Carboxylic acids, C7-13, perfluoro, ammonium salts		72968-38-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●						●					●				
Fatty acids, C7-19, perfluoro		91032-01-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●						●					●				
(2-carboxylatoethyl)[3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecyl)amino]propyl]dimethylammonium		93776-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Bis(2-hydroxyethyl)methyl[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]ammonium iodide		94159-76-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	●	●															
1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluorotridecan-2-ol		94159-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecyl phosphate		94200-46-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-		65104-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
2H-Pyran, 2,2,3,3,4,4,5,5,6-nonafluorotetrahydro-6-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-nonadecafluorononyl)-		68155-54-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	●	●															
Alkyl iodides, C10-12, .gamma.-.omega.-perfluoro		68390-33-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate		115592-83-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and perfluoro-C8-14-alkyl acrylate		125328-29-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and γ-ω-perfluoro-C8-14-alkyl acrylate.		129783-45-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and γ-ω-perfluoro-C8-14-alkyl acrylate		144031-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
C9-C14 PFCAs salts and precursors		NA	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	●																
Undecane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-tricosafluoro-11-iodo-		307-50-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Pentadecane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-hentriacontafluoro-15-iodo-		335-79-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Tridecane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-heptacosafluoro-13-iodo-		376-04-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	●	●											●				
Phosphonic acid, perfluoro-C6-12-alkyl derivs.		68412-68-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	●	●															
PFOS, Perfluorooctane sulfonates C8F17SO2X (X = OH, Metal salt, halide, amide, and other derivatives including polymers), all members	PFOS、パーフルオロオクタンスルホン酸塩 C8F17SO2X （X = OH、金属塩、ハロゲン化物、アミド、およびポリマーを含むその他の誘導体）、全て		Prohibited			●																
Perfluorooctane sulfonate acid	ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾝ酸(PFOS)	1763-23-1	Prohibited	All applications and products	Intentionally added	●	●						●					●	●	●	●	
Perfluorooctane sulfonate anion	ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾝ酸ｱﾆｵﾝ	45298-90-6	Prohibited	All applications and products	Intentionally added	●												●			●	
Perfluoro-1-octanesulfonyl fluoride	ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾝ酸ﾌﾙｵﾘﾄﾞ (PFOSF)	307-35-7	Prohibited	All applications and products	Intentionally added	●	●						●					●		●	●	
2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and vinylidene chloride	2-[ﾒﾁﾙ[(ﾍﾟﾙﾌﾙｵﾛｱﾙｷﾙ(炭素数4-8) ｽﾙﾎﾆﾙ]ｱﾐﾉ]ｴﾁﾙｱｸﾘﾙ酸、塩化ﾋﾞﾆﾘﾃﾞﾝﾎﾞﾘﾏｰ混合体の2-ﾌﾟﾛﾍﾟﾝ酸2-ﾒﾁﾙﾄﾞﾃﾞｼﾙｴｽﾃﾙ	306975-62-2	Prohibited	All applications and products	Intentionally added	●	●											●			●	
Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt	ｸﾞﾘｼﾝ、N-ｴﾁﾙ-N-[(ﾍﾌﾟﾀﾃﾞｶﾌﾙｵﾛｵｸﾁﾙ)ｽﾙﾌｫﾆﾙ]-,ｶﾘｳﾑ塩	2991-51-7	Prohibited	All applications and products	Intentionally added	●	●											●			●	
Perfluorooctane sulfonate potasium salt	ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾝ酸ｶﾘｳﾑ	2795-39-3	Prohibited	All applications and products	Intentionally added	●	●						●					●	●	●	●	
Perfluorooctane sulfonate ammonium salt	ﾍﾌﾟﾀﾃﾞｶﾌﾙｵﾛｵｸﾀﾝ-1-ｽﾙﾎﾝ酸ｱﾝﾓﾆｳﾑ	29081-56-9	Prohibited	All applications and products	Intentionally added	●	●						●					●	●	●	●	
Perfluorooctane sulfonate lithium salt	ﾘﾁｳﾑ=ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾅｰﾄ	29457-72-5	Prohibited	All applications and products	Intentionally added	●	●						●					●	●	●	●	
Tetraethylammoniumheptadecafluorooctansulfonate	ﾍﾌﾟﾀﾃﾞｶﾌﾙｵﾛｵｸﾀﾝ-1-ｽﾙﾎﾅｰﾄ,ﾃﾄﾗｴﾁﾙｱﾐﾆｳﾑ	56773-42-3	Prohibited	All applications and products	Intentionally added	●	●						●					●		●	●	
PFHxS, Perfluorohexane-1-sulphonic acid and its salts and PFHxS Related Substances, identified in rows		-																				
PFHxS and its salts	PFHxSおよびその塩		Prohibited			●																
Perfluorohexane-1-sulphonic acid		355-46-4	Prohibited	All applications and products	25 ppb	●	●	●														
Perfluorohexane-1-sulphonic acid, ammonium salt		68259-08-5	Prohibited	All applications and products	25 ppb	●	●	●										●				

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluorohexane-1-sulphonic acid, potassium salt		3871-99-6	Prohibited	All applications and products	25 ppb	●	●	●										●				
PFHxS related substances	PFHxS関連物質		Prohibited			●																
1-Hexanesulfonyl bromide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		111393-39-6	Prohibited	All applications and products	1,000 ppb	●																
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-dimethyl-		1270179-82-2	Prohibited	All applications and products	1,000 ppb	●																
1-Hexanesulfonamide, N,N-diethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		1270179-93-5	Prohibited	All applications and products	1,000 ppb	●																
2-Propenoic acid, 2-methyl-, polymers with Bu methacrylate, lauryl methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate		127133-66-8	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-(2-oxiranylmethyl)		129813-71-4	Prohibited	All applications and products	1,000 ppb	●	●															
â-Alanine, N-[3-(dimethylamino)propyl]-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		141607-32-1	Prohibited	All applications and products	1,000 ppb	●																
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-		1427176-17-7	Prohibited	All applications and products	1,000 ppb	●																
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-bis(2-methoxyethyl)-		1427176-20-2	Prohibited	All applications and products	1,000 ppb	●																
Benzenamine, 4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		147029-28-5	Prohibited	All applications and products	1,000 ppb	●																
Fatty acids, C18-unsatd., trimers, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl esters		148240-80-6	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1,6-diisocyanatohexane homopolymer and ethylene glycol		148684-79-1	Prohibited	All applications and products	1,000 ppb	●	●															
Benzene, 1-fluoro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		149652-30-2	Prohibited	All applications and products	1,000 ppb	●																
Benzoic acid, 2,3,4,5-tetrachloro-6-[[(3-hydroxyphenyl)amino]carbonyl]-, perfluoro-C6-8-alkanesulfonates (esters), monopotassium salts		160305-97-5	Prohibited	All applications and products	1,000 ppb	●																
2-Propenoic acid, butyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate		160336-17-4	Prohibited	All applications and products	1,000 ppb	●																
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate		160901-25-7	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol, Me Et ketone oxime and polymethylenepolyphenylene isocyanate		160901-26-8	Prohibited	All applications and products	1,000 ppb	●																
Fatty acids, C18-unsatd., trimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters		161074-58-4	Prohibited	All applications and products	1,000 ppb	●																
Sulfonamides, C4-8-alkane, perfluoro, N-(3-chloro-2-hydroxypropyl)-N-methyl		1645842-67-6	Prohibited	All applications and products	1,000 ppb	●																
Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene and N-butyl-1-butanamine		1645850-46-9	Prohibited	All applications and products	1,000 ppb	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene		1645852-09-0	Prohibited	All applications and products	1,000 ppb	●																
Siloxanes and Silicones, di-Me, Bu group- and 3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group-terminated, telomers with acrylic acid, di-Me, Me 3-mercaptopropyl siloxanes, Me acrylate, Me methacrylate and 2-[methyl[(perfluoro-c4-8-alkyl)sulfonyl]amino]ethyl acrylate, 2,2'-(1,2-diazenediyl)bis[2-methylpropanenitrile]-initiated		1645852-10-3	Prohibited	All applications and products	1,000 ppb	●																
2-Propenoic acid, polymers with lauryl acrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate		1648534-82-0	Prohibited	All applications and products	1,000 ppb	●																
Poly(oxy-1,2-ethanediyl), á-[2-(methylamino)ethyl]-ù-hydroxy-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., C12-16-alkyl ethers		1648539-69-8	Prohibited	All applications and products	1,000 ppb	●																
2-Propenoic acid, 2-(methylamino)ethyl ester, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., polymers with propene		1648540-20-8	Prohibited	All applications and products	1,000 ppb	●																
Benzene, 1-nitro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		171561-95-8	Prohibited	All applications and products	1,000 ppb	●																
1-Hexanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)		178094-71-8	Prohibited	All applications and products	1,000 ppb	●																
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), polymers with 1,1'-methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked		178535-22-3	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl], potassium salts		179005-06-2	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl]		179005-07-3	Prohibited	All applications and products	1,000 ppb	●																
2-Propenoic acid, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester		1893-52-3	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid		192662-29-6	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with poly(Bu acrylate) and polyethylene-polypropylene glycol mono-Bu ether		222716-67-8	Prohibited	All applications and products	1,000 ppb	●																
Pyridinium, 1-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, inner salt		254889-10-6	Prohibited	All applications and products	1,000 ppb	●																
1-Hexanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		30295-56-8	Prohibited	All applications and products	1,000 ppb	●																
Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxyoctadecanoic acid and 2,4-TDI, ammonium salts		306973-47-7	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl]		306974-19-6	Prohibited	All applications and products	1,000 ppb	●	●															
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group]-terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and stearyl methacrylate		306974-28-7	Prohibited	All applications and products	1,000 ppb	●	●															

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sulfonic acids, C6-8-alkane, perfluoro, compds. with polyethylene-polypropylene glycol bis(2-aminopropyl) ether		306974-45-8	Prohibited	All applications and products	1,000 ppb	●	●															
Fatty acids, C18-unsatd., dimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters		306974-63-0	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride	2-[ﾒﾁﾙ[(ﾍﾟﾙﾌﾙｵﾛｱﾙｷﾙ(炭素数4-8) ｽﾙﾎﾆﾙ]ｱﾐﾉ]ｴﾁﾙｱｸﾘﾙ酸、塩化ﾋﾞﾆﾘﾃﾞﾝ･ﾎﾟﾘﾏｰ混合体の2-ﾌﾟﾛﾍﾟﾝ酸2-ﾒﾁﾙﾄﾞﾃﾞｼﾙｴｽﾃﾙ	306975-62-2	Prohibited	All applications and products	1,000 ppb	●	●															
Poly(oxy-1,2-ethanediyl), á-hydro-ù-hydroxy-, polymer with 1,6-diisocyanatohexane, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides-blocked		306975-84-8	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with N-(hydroxymethyl)-2-propenamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate, stearyl methacrylate and vinylidene		306975-85-9	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexadecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-propen-1-yl)oxy]ethyl]-, bromide (1:1), polymers with Bu acrylate, Bu methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate		306976-25-0	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2,4-diisocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2-propenoic acid, N-ethyl-N-(hydroxyethyl)perfluoro-C4-8-alkanesulfonamides-blocked		306976-55-6	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, telomer with 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate and 1-octanethiol, N-oxides		306977-10-6	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymers with acrylic acid, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compds. with 2,2'-(methylimino)bis[ethanol]		306977-58-2	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, butyl ester, polymers with acrylamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride		306978-04-1	Prohibited	All applications and products	1,000 ppb	●	●															
Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides- and stearyl alc.-blocked		306978-65-4	Prohibited	All applications and products	1,000 ppb	●	●														●	
Poly(oxy-1,2-ethanediyl), á-[2-(methylamino)ethyl]-ù-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs.		306979-40-8	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-		306980-27-8	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-		34455-03-3	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		355-46-4	Prohibited	All applications and products	1,000 ppb	●	●	●														
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)		3871-99-6	Prohibited	All applications and products	1,000 ppb	●	●	●											●			
1-Propanaminium, 3-[(carboxymethyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N,N-trimethyl-, inner salt		38850-52-1	Prohibited	All applications and products	1,000 ppb	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-3-[(3-sulfopropyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, inner salt		38850-58-7	Prohibited	All applications and products	1,000 ppb	●	●																
1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-		38850-60-1	Prohibited	All applications and products	1,000 ppb	●	●																
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		41997-13-1	Prohibited	All applications and products	1,000 ppb	●	●																
1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		423-50-7	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, 2-methyl-, 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl ester, polymers with polyethylene glycol acrylate Me ether		504396-13-8	Prohibited	All applications and products	1,000 ppb	●																	
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		50598-28-2	Prohibited	All applications and products	1,000 ppb	●	●																
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, reaction products with Me Et ketone oxime, 2-mercaptoethanol, 2-[methyl[(perfluoro-C3-8-alkyl)sulfonyl]amino]ethyl acrylate, polymethylenepolyphenylene isocyanate and polypropylene glycol		507225-08-3	Prohibited	All applications and products	1,000 ppb	●																	
1-Propanaminium, N,N,N-trimethyl-3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, chloride (1:1)		52166-82-2	Prohibited	All applications and products	1,000 ppb	●	●																
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)		55120-77-9	Prohibited	All applications and products	1,000 ppb	●	●	●										●					
1-Hexanesulfonyl chloride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		55591-23-6	Prohibited	All applications and products	1,000 ppb	●																	
Poly(oxy-1,2-ethanediyl), á-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]-ù-hydroxy-		56372-23-7	Prohibited	All applications and products	1,000 ppb	●	●																
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-2-propen-1-yl-		67584-48-9	Prohibited	All applications and products	1,000 ppb	●	●																
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, potassium salt (1:1)		67584-53-6	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester		67584-57-0	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester		67584-61-6	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester		67906-70-1	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid		67906-71-2	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, 2-methyl-, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl ester		67939-61-1	Prohibited	All applications and products	1,000 ppb	●	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Hexanesulfonamide, N,N'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		67939-92-8	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-(phosphonooxy)ethyl]-		67969-65-7	Prohibited	All applications and products	1,000 ppb	●	●															
Hexane, 1-(ethenylsulfinyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		680187-85-3	Prohibited	All applications and products	1,000 ppb	●																
Hexane, 1-(ethenylsulfonyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		680187-86-4	Prohibited	All applications and products	1,000 ppb	●																
Carbamic acid, N,N'-(4-methyl-1,3-phenylene)bis-, bis[2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl] ester		68081-83-4	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-methyloxirane polymer		68227-87-2	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and á-(1-oxo-2-propen-1-yl)-ù-		68227-94-1	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, butyl ester, telomer with 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,4-butanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-		68227-96-3	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl ester		68227-98-5	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, ethyl ester, polymer with 4-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,4-butanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl 2-propenoate and 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-propenoate		68228-00-2	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(4-hydroxybutyl)-N-methyl-		68239-74-7	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt (1:1)		68259-08-5	Prohibited	All applications and products	1,000 ppb	●	●	●											●			
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-		68259-15-4	Prohibited	All applications and products	1,000 ppb	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Poly[oxy(methyl-1,2-ethanediyl)], á-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]-ù-hydroxy-		68259-38-1	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(phenylmethyl)-		68298-09-9	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, 2-[[[[5-[[[2-[ethyl[(tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester (9CI)		68298-74-8	Prohibited	All applications and products	1,000 ppb	●																
2-Propenoic acid, 2-methyl-, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol		68298-78-2	Prohibited	All applications and products	1,000 ppb	●	●															
Benzenesulfonic acid, [[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		68299-21-8	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, 4-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl ester, telomer with butyl 2-propenoate, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,4-butanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol		68299-39-8	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, eicosyl ester, polymer with 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, hexadecyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-		68329-56-6	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonic acids, C6-12-alkane, perfluoro, potassium salts		68391-09-3	Prohibited	All applications and products	1,000 ppb	●	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, sodium salt (1:1)		68555-70-4	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-		68555-75-9	Prohibited	All applications and products	1,000 ppb	●	●															
Polymer based on 67584-55-8		68555-90-8	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate		68555-91-9	Prohibited	All applications and products	1,000 ppb	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate		68555-92-0	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-chloro-1,3-butadiene, 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate		68568-77-4	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propenyl)-ù-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propenyl)-ù-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate and 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate (9CI)		68586-13-0	Prohibited	All applications and products	1,000 ppb	●																
2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, telomer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-		68586-14-1	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with TDI		68608-13-9	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene]		68608-14-0	Prohibited	All applications and products	1,000 ppb	●	●															
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-, reaction products with N-ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide, polymethylenepolyphenylene isocyanate and stearyl alc.		68649-26-3	Prohibited	All applications and products	1,000 ppb	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-oxiranylmethyl 2-methyl-2-propenoate		68797-76-2	Prohibited	All applications and products	1,000 ppb	●	●																
Benzoic acid, 2,3,4,5-tetrachloro-6-[[[3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]oxy]phenyl]amino]carbonyl]-, potassium salt (1:1)		68815-72-5	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and á-(1-oxo-2-propen-1-yl)-ù-methoxypoly(oxy-1,2-ethanediyl)		68867-60-7	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 1-octanethiol and á-(1-oxo-2-propen-1-yl)-ù-methoxypoly(oxy-1,2-ethanediyl)		68867-62-9	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-methyl-1,3-butadiene		68877-32-7	Prohibited	All applications and products	1,000 ppb	●	●																
Chromium, diaquatetrachloro[ì-[N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]glycinato-êO:êO']]-ì-hydroxybis(2-propanol)di-		68891-98-5	Prohibited	All applications and products	1,000 ppb	●	●																
2-Propenoic acid, eicosyl ester, polymers with branched octyl acrylate, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl acrylate, 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl acrylate, polyethylene glycol acrylate Me ether and stearyl acrylate		68909-15-9	Prohibited	All applications and products	1,000 ppb	●	●																
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		68957-32-4	Prohibited	All applications and products	1,000 ppb	●	●																
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, ethyl ester		68957-53-9	Prohibited	All applications and products	1,000 ppb	●	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propanaminium, N,N,N-trimethyl-3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, iodide (1:1)		68957-58-4	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, hydrochloride (1:1)		68957-61-9	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)		70225-16-0	Prohibited	All applications and products	1,000 ppb	●	●	●										●				
1-Propanaminium, N,N,N-trimethyl-3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, sulfate (2:1)		70248-52-1	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate and 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate		70776-36-2	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, 2-[[[[2-methyl-5-[[[4-[methyl[(tridecafluorohexyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl ester (9CI)		70900-36-6	Prohibited	All applications and products	1,000 ppb	●																
2-Propenoic acid, 2-methyl-, 2-[[[[3-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[[[[2-methyl-5-[[[4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[2-methyl-5-[[[4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[2-methyl-5-[[[4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[2-methyl-5-[[[4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-ethanethiol		70900-40-2	Prohibited	All applications and products	1,000 ppb	●	●															
2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-propenoic acid		71487-20-2	Prohibited	All applications and products	1,000 ppb	●	●															
1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-2-hydroxy-, sodium salt (1:1)		73772-32-4	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, acetate (1:1)		73772-33-5	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-[2-(2-hydroxyethoxy)ethoxy]ethyl]-		73772-34-6	Prohibited	All applications and products	1,000 ppb	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzene, 1-chloro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		76848-59-4	Prohibited	All applications and products	1,000 ppb	●																
1H-Benzimidazolium, 1,3-diethyl-2-methyl-5-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, 4-methylbenzenesulfonate (1:1)		76848-68-5	Prohibited	All applications and products	1,000 ppb	●																
1-Propanesulfonic acid, 3-[methyl[3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]propyl]amino]-, sodium salt (1:1)		80621-17-6	Prohibited	All applications and products	1,000 ppb	●	●															
1-Propanaminium, N-(2-hydroxyethyl)-3-[(2-hydroxy-3-sulfopropyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N-dimethyl-, hydroxide, sodium salt (1:1:1)		81190-38-7	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt (1:1)		82382-12-5	Prohibited	All applications and products	1,000 ppb	●	●	●										●				
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-propyl-		85665-64-1	Prohibited	All applications and products	1,000 ppb	●	●															
Glycine, N-propyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, potassium salt (1:1)		85665-66-3	Prohibited	All applications and products	1,000 ppb	●	●															
1-Hexanesulfinic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (2:1)		86525-30-6	Prohibited	All applications and products	1,000 ppb	●	●															
Thiophene, 2-[2-[(tridecafluorohexyl)sulfonyl]ethenyl]-		86525-43-1	Prohibited	All applications and products	1,000 ppb	●	●															
Furan, 2-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-		86525-48-6	Prohibited	All applications and products	1,000 ppb	●	●															
Benzene, 1-methyl-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-		86525-51-1	Prohibited	All applications and products	1,000 ppb	●	●															
Benzene, 1-methoxy-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-		86525-52-2	Prohibited	All applications and products	1,000 ppb	●	●															
Thiophene, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-48-9	Prohibited	All applications and products	1,000 ppb	●	●															
Furan, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-49-0	Prohibited	All applications and products	1,000 ppb	●	●															
Benzene, 1-methyl-4-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-50-3	Prohibited	All applications and products	1,000 ppb	●	●															
Thiophene, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-55-8	Prohibited	All applications and products	1,000 ppb	●	●															
Furan, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-56-9	Prohibited	All applications and products	1,000 ppb	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,4-Pentanedione, 3-[1-(2-thienyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-63-8	Prohibited	All applications and products	1,000 ppb	●	●															
2,4-Pentanedione, 3-[1-(2-furanyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-64-9	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with epichlorohydrin, adipates (esters)		91081-99-1	Prohibited	All applications and products	1,000 ppb	●	●															
Isoxazolidine, 4-(4-methoxyphenyl)-2-methyl-5-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		93416-31-0	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonic acids, C6-12-alkane, perfluoro		93572-72-6	Prohibited	All applications and products	1,000 ppb	●	●															
Sulfonamides, C4-8-alkane, perfluoro, N-[4,7-dimethyl-4-[[(1-methylpropylidene)amino]oxy]-3,5-dioxa-6-aza-4-silanon-6-en-1-yl]-N-ethyl		944578-05-6	Prohibited	All applications and products	1,000 ppb	●	●															
Other PFAS Substances, all members (Includes substances taken from a series of government regulatory lists and compared to (major market) country inventories to obtain a list of commercially available PFAS substances not listed in other PFAS substance groups)		(Note: Some substances do not have CAS RNs. The US EPA/TSCA Accession Number will be shown as the identifier where	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 3-methyl-3-((2,2,3,3,3-pentafluoropropoxy)methyl)oxetane, ether with 2,2-dimethyl-1,3-propanediol (2:1), polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane		1029089-63-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Lufenuron		103055-07-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Perfluorotetradecyl)ethanethiol		103119-64-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,9-dimethyldecane		103188-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], α-[1,2,2,2-tetrafluoro-1-[[(2-hydroxyethyl)amino]carbonyl]ethyl]-ω-[tetrafluoro(trifluoromethyl)ethoxy]-, ether with α-hydro-ω-hydroxypoly(oxy-1,2-ethanediyl) (2:1)		1033385-42-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-[3-(Dimethylamino)propyl]perfluoroheptanamide		103831-28-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Reaction products with N-methylamine acetate, potassium hydroxide, .alpha.-fluoro-.omega.-iodopoly(perfluoroethylene)(n=4-8) and 2-propen-1-ol (Unidyne DS 102)		104075-34-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), .alpha.-[5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-octadecafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl]-.omega.-hydroxy-		104075-36-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)aniline	3,5-ｼﾞｸﾛﾛ-4-(1,1,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾄｷｼ)ｱﾆﾘﾝ	104147-32-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulfonyl]propylamino]ethylester, copolymer with methyloxirane and oxiranemono-2-propenoate		104242-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Carbamic acid, [3-[[[2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethoxy]carbonyl]amino]-4-methylphenyl]-, 2-[[(heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester		104267-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-Nonacosafluorohexadec-1-ene		104564-28-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and silicones, dimethyl, methyl 3-(1,1,2,2-tetrafluoroethoxy)propyl, methyl 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-		104780-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroethyl vinyl ether		10493-43-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with ethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		105656-63-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-Iodo-1,1,2,2-tetrafluoropropyl trifluorovinyl ether		106108-22-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-1-Difluoro(trifluoroethenyl)oxymethyl-1,2,2,2-tetrafluoroethoxy-1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propane polymer with tetrafluoroethene and 1,1,2,2-tetrafluoro-3-iodo-1-(trifluoroethenyl)oxypropane		106108-23-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 2,3,3,3-tetrafluoro-2-(1,1,2,2-tetrafluoro-3-iodopropoxy)propanoate		106394-03-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2-tetrafluoro-3-iodopropoxy)-, sodium salt		106394-04-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-3-iodopropoxy)propoxy]propanoate		106394-05-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3,5,2,4,6-Triazatriphosphorine,2,2,4,4,6,6-hexahydrotris[(2,2,3,3,4,4,5,5-octafluoropentyl)oxy]tris(2,2,3,3,3-pentafluoropropoxy)-(9CI)		106796-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, polymer with 2-(diethylamino)ethyl 2-methyl-2-propenoate, 2-propenoic acid and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate, acetate		1071022-26-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, block		107221-31-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,1-difluoroethene, ethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		107810-71-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-[2-[(.gamma.-.omega.-perfluoro-C4-20-alkyl)thio]acetyl] derivs., inner salts		1078715-61-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with (2-bromo-1,1,2,2-tetrafluoroethoxy)trifluoroethene, 1,1-difluoroethene and tetrafluoroethene		108144-05-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl N,N-dibutyl-beta-alaninate		108196-44-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorohexanesulfonate		108427-53-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Cyclotetrasiloxane, 2,4,6,8-tetramethyl-2-[3-[2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]propyl]-, Si -[3-(2-oxiranylmethoxy)propyl] derivs.		1005771-59-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Perfluoroalkyl(C4-14)ethyl acrylate-benzyl methacrylate		100932-58-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Acrinathrin		101007-06-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2,2,3,3,3-pentafluoro-1-(pentafluoroethyl)-1-(trifluoromethyl)propyl ester, homopolymer		101061-04-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,3,3,4,4,4-Octafluoro-2-(trifluoromethyl)butan-2-yl 2-methylprop-2-enoate		101061-05-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-[(trifluoroethenyl)oxy]-, homopolymer		101182-89-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1012783-71-9 (name too long)		1012783-71-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, acrylates		101316-90-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium perfluorobutanesulfinate		102061-82-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Triethoxy(1,1,2,2,3,3,6,6,6-nonafluorohexyl)silane		102390-98-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with 2-hydroxyethyl 2-propenoate, .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) and 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane polymer with tetrahydrofuran		1092822-31-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,4'-[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]bisbenzenamine		1095-78-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(Carboxymethyl)-N-[3-[[(perfluorooctyl)sulfonyl]amino]propyl]-N,N-bis(2-hydroxy-3-sulfopropyl)ammonium chloride, trisodium		109669-84-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-, reaction products with 3-chloro-1,2-propanediol and alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene)		110053-43-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
alpha-[2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl]-omega-(4-sulfobutoxy)-poly(oxy-1,2-ethanediyl), sodium salt (1:1)		110494-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-[[3-[(Perfluorooctyl)sulfonyl]propyl]amino]ethyl-2-propenoate		110570-90-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-[[3-[(heptadecafluorooctyl)sulfonyl]propyl]amino]ethyl ester polymer with .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl)		110570-91-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-[[3-[(heptadecafluorooctyl)sulfonyl]propyl]amino]ethyl ester polymer with .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		110570-92-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
5,5'-[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]-bis(1,3-isobenzofurandione)		1107-00-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
An acrylate-perfluoroalkyl copolymer surfactant (3M Co.) (Fluorad FC 430)		11114-17-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-((trifluoroethenyl)oxy)-, polymer with tetrafluoroethene		111173-25-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(1Z)-1-Chloro-2,3,3,3-tetrafluoroprop-1-ene		111512-60-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tetraconazole		112281-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(2-[(1-propoxypropan-2-yl)oxy]propanoyl) fluoride		112820-37-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Oxetane, 2,2,3,3-tetrafluoro-, homopolymer, fluorinated		113114-19-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium 1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate		1132933-86-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(2-ethoxyethanesulfonic acid)		113507-82-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(2-Carboxyethyl)-N,N-dimethyl-3-[(perfluoro-1-oxodecyl)amino]propanaminium		113933-98-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoroacetone-trifluoroethene-vinylidene fluoride copolymer		114502-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(1H,1H-Perfluoropropyl)-1,3-dioxolan-2-one		114810-51-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Octafluorocyclobutane		115-25-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Siloxanes and Silicones, di-Me, Me 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl		115340-95-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, polymer with 2-hydroxyethyl 2-methyl-2-propenoate, α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, sodium salt		1158951-86-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymer of chlorotrifluoroethylene-tetrafluoroethylene-perfluoro(propoxyethylene)(the number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, fat-soluble solvent, usual solvent, acid and alkali)		116018-07-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetrafluoroethylene		116-14-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●														●		●	
Hexafluoropropene		116-15-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Ethyl-N-(perfluoro-1-oxoheptyl)-glycine sodium salt		116537-74-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,4'-[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]bis-benzoic acid		1171-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium 1,1,2,2-tetrafluoro-2-(pentafluoroethoxy)ethane-1-sulfonate		117205-07-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-[5-(Polyfluorophenyl)-4,5-dihydro-3-heteromonocycle]substituted-ethyl		1173693-36-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,4,4-octafluoro-4-(fluorosulfonyl)butoxy]propanoyl fluoride		117516-16-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Lithium perfluoroheptanesulfonate		117806-54-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Copolymer of octadecyl acrylate / chloroethene / docosyl acrylate / 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate / N-(hydroxymethyl)acrylamide		1187311-64-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(methyl vinyl ether)		1187-93-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,2,3,3,4,4-Nonafluorononane		1190430-21-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Acetic acid, 2,2-difluoro-2-[[2,2,4,5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]-, ammonium salt (1:1)		1190931-27-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2-Difluoro-2-[[2,2,4,5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetic acid		1190931-41-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Flupoxam		119126-15-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(2-Carboxyethyl)-3-[(perfluoro-1-oxononyl)amino]-N,N-dimethyl-1-propanaminium		119131-05-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2R,3R)-2,3-Dichloro-1,1,1,2,3,4,4,4-octafluorobutane		119450-81-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-[2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propoxy]prop-1-ene		119511-16-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyldichloro[3-[2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propoxy]propyl]silane		119511-19-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1202381-95-0 (name too long)		1202381-95-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, 2-propenoic acid and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, sodium salt		1206450-10-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-iodo-6-(trifluoromethyl)aniline		1207315-39-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Broflanilide		1207727-04-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy(1,1,2,2,3,3-hexafluoro-1,3-propanediyl)], .alpha.-(2-carboxy-1,1,2,2-tetrafluoroethyl)-.omega.-(1,1,2,2,3,3,3-heptafluoropropoxy)-		120895-92-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,5,5,6,6-Decafluoro-6-[(trifluoroethenyl)oxy]hexanenitrile		120903-40-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Noviflumuron		121451-02-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,5-dichloro-2-fluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)aniline		121451-05-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Borate(1-), tetrahydro-, sodium (1:1), reaction products with reduced polymd. oxidized tetrafluoroethylene, hydrolyzed, diallyl ethers, polymers with 2,4,6,8-tetramethylcyclotetrasiloxane, Si-(8,13-dioxo-4,7,12-trioxa-9-azapentadec-14-en-1-yl) derivs.		1214752-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N,N'-bis(2-hydroxy-6,6,7,7-tetrafluoro-4-oxaheptyl)tetramethylethylenediaminium chloride		1220100-43-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-3-[3-[3-(propoxy)propoxy]propoxy]propanoyl fluoride		122075-99-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-3,7,11-trioxatetradecane		122076-00-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,3-Tetramethyl-3,3-bis(1,1,2,2,3,3,6,6,6-nonafluorohexyl)disiloxane		122179-35-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Perfluoroalkyl(C4-14)ethyl acrylate-ethyl methacrylate-polyethylene glycol mono methacrylate copolymer		122304-67-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Phosphoric acid, mixed esters with polyethylene glycol and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol, ammonium salts		1224429-82-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
6,9,12,15-Tetraoxa-2-silaoctadecane, 2,2-dichloro-8,10,10,11,13,13,14,16,16,17,17,18,18,18-tetradecafluoro-8,11,14-tris(trifluoromethyl)-		122734-47-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Dichloro-1,1,2,3,3,4,4-heptafluoro-4-[(1,2,2-trifluoroethenyl)oxy]butane		122857-45-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Poly(difluoromethylene), .alpha.-[2-(acetyloxy)-3-[(carboxymethyl)dimethylammonio]propyl]-.omega.-fluoro-, inner salt		123171-68-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium trifluorotris(perfluoroethyl)phosphate		123215-04-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Dibromotetrafluoroethane		124-73-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoro(4a-(cyclohexylmethyl)decahydronaphthalene)		125061-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(Perfluoro-2-butyl)propane-1,2-diol		125070-38-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propanone, 1,1,1,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoroethene		125128-66-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
8-(Ethenyloxy)-1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorooctane		125660-00-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[1,2,2,2-tetrafluoro-1-(hydroxymethyl)ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		126066-30-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanol, 2,2'-[oxybis(2,1-ethanediyloxy)]bis-, ethers with ethoxylated reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		1260733-08-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Thieno[3,4-b]thiophene, homopolymer, 2-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoroethanesulfonic acid-tetrafluoroethylene polymer-doped		1269217-82-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
α-fluoro-ω-(2-hydroxyethyl)poly(difluomethylene)		126927-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexane, 1,6-diisocyanato-, homopolymer, .alpha.-[1-[[[3-[[3-(dimethylamino)propyl]amino]propyl]amino]carbonyl]-1,2,2,2-tetrafluoroethyl]-.omega.-(1,1,2,2,3,3,3-heptafluoropropoxy)poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]]-blocked		1279108-20-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●															●	
Poly[oxy(1,1,2,2-tetrafluoro-1,2-ethanediyl)], α-(1,1-difluoro-2-methoxy-2-oxoethyl)-ω-(1,1-difluoro-2-methoxy-2-oxoethoxy)-		130030-19-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
[(Perfluoroheptanoyl)amino]-3-betaine		130114-31-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic		13043-05-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,4-Dichloro-2-(1,1,2,3,3,3-hexafluoropropoxy)-5-nitrobenzene		130841-23-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoroacetone sesquihydrate		13098-39-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-chloro-.omega.-(1-chloro-1-fluoroethyl)-		131324-06-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2-methyl-3-oxaoctanedioyl fluoride		13140-22-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,5,8,11,14,17-hexamethyl-3,6,9,12,15,18-hexaoxaheneicosanoyl fluoride		13140-24-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,5,8,11,14,17,20-heptamethyl-3,6,9,12,15,18,21-heptaoxatetracosanoyl fluoride		13140-25-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,5,8,11,14,17,20,23-octamethyl-3,6,9,12,15,18,21,24-octaoxaheptacosanoyl fluoride		13140-26-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl perfluoro(2-propoxypropanoate)		13140-34-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Methoxy-2H-perfluoropropane		13171-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Dichlorotetrafluoroethane	ｼﾞｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	1320-37-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoro-1,3-bis(trifluoromethyl)cyclobutane		13221-71-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoro-2-methyl-3-oxahexanoic acid		13252-13-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid		13252-14-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,5,8,11,14-pentamethyl-3,6,9,12,15-pentaoxaoctadecanoyl fluoride		13252-15-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Lithium bis[(pentafluoroethyl)sulfonyl]azanide		132843-44-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(((Heptadecafluorooctyl)sulphonyl)propylamino)ethyl methacrylate		13285-40-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1333523-10-6 (name too long)		1333523-10-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, acetate		1334473-84-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[1,2,2,2-tetrafluoro-1-(methoxycarbonyl)ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		134035-61-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorooctane sulfonamido amine		13417-01-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Propene, 1,1,2,3,3,3-hexafluoro-, dimer		13429-24-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexene, undecafluoro(4-sulfophenoxy)-, sodium salt		134344-15-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,4-Heptafluorobutyl methacrylate		13695-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,2,3,3,4,4-Nonafluoro-4-[(trifluoroethenyl)oxy]butane		13782-76-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, fluorinated, reduced, 3-[2,4,6,8-tetramethyl-4,6,8-tris[3-(trimethoxysilyl)propyl] cyclotetrasiloxan-2-yl]propyl ethers		1378309-01-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanesulfonyl fluoride, 2-[1-[difluoro][(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, potassium salts		1378928-76-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanesulfonyl fluoride, 2-[1-[difluoro][(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed		1378930-04-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoic acid, 3-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, methyl ester, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, potassium salts		1378930-30-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Enflurane		13838-16-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2,3,3-Hexafluoro-1,3-bis((trifluorovinyl)oxy)propane		13846-22-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2H,3H-Decafluoropentane	1,1,1,2,2,3,4,5,5,5-ﾃﾞｶﾌﾙｵﾛﾍﾟﾝﾀﾝ	138495-42-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Siloxanes and Silicones, 3-aminopropyl Me, di-Me, Me 3-mercaptopropyl, polymers with stearyl acrylate, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate, rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate and vinyl chloride		1407491-30-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropentadecanoic acid	ﾍﾟﾙﾌﾙｵﾛﾍﾟﾝﾀﾃﾞｶﾝ酸	141074-63-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●									●						
2,2,2-tris(Trifluoromethyl)ethanol		14117-17-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Methyl-2-propenoic acid methyl ester, 2,2,3,3,3-pentafluoropropyl 2-methyl-2-propenoate-2,2,3,3-tetrafluoropropyl 2-methyl-2-propenoate copolymer		142033-27-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., fluorinated, reduced, 3-[tris[3-(trimethoxysilyl)propyl]silyl]propyl ethers		1422364-27-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3,5,6-Trichloro-2,2,3,4,4,5,6,6-octafluorohexanoyl chloride		1422-98-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(1,1,2,2-Tetrafluoroethoxy)propene		1428-33-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
143336-91-8 (name too long)		143336-91-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-N,N,N',N'-tetrakis(heptafluoropropyl)-1,6-hexanediamine		143356-32-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.',.alpha.'',.alpha.'''-(oxydi-3,1,2-propanetriyl)tetrakis[.omega.-[(heptadecafluorononenyl)oxy]]-		143907-02-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Triphenylsulfonium perfluoro-1-butanesulfonic acid		144317-44-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
4,5-Dichloroperfluoro-3-oxapentanesulfonyl fluoride		144728-59-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-1-(2-iodoethoxy)-2-propoxypropane		144938-16-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(2-(2-propoxypropoxy)-1H,1H-propan-1-ol)		14548-74-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Butyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoate		145510-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1-(2-bromo-1,1,2,2-tetrafluoroethoxy)-1,2,2-trifluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		145724-84-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-{1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propoxy}propan-1-ol		14620-81-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy(1,1,2,2-tetrafluoro-1,2-ethanediyl)], .alpha.-(1,1-difluoro-2-hydroxyethyl)-.omega.-(1,1-difluoro-2-hydroxyethoxy)		146222-54-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(((Heptadecafluorooctyl)sulfonyl)methylamino)ethyl methacrylate		14650-24-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Siloxanes and Silicones, di-Me, butyl- and 3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl group-terminated, polymers with 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethylacrylate and iso-Bu methacrylate		146632-08-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Thionyl chloride, reaction products with ammonia and polymd. oxidized 1,1,2,3,3,3-hexafluoro-1-propene hydrolyzed high-boiling fraction non-aqueous phase		147129-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Butyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate		147224-18-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2,3-Propanetricarboxylic acid, 1-sulfo-, C,C,C-tris[1-[(2,2,3,3,3-pentafluoropropoxy)methyl]propyl] ester, sodium salt (1:1)		1472634-24-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-{Methyl[(nonafluorobutyl)sulfonyl]amino}ethyl phosphate		147545-41-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bisphenol AF		1478-61-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(Perfluoroethyl)propanol		148043-73-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fatty acids, C18-unsatd., trimers, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl esters		148240-79-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(3-(perfluoroethyl)-1-(9-bromononyl)propyl) thioether		148757-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, C12-18-alkyl esters, polymer with .alpha.-fluoro-.omega.-[2-[(1-oxy-2-propenyl)oxy]ethyl]poly(difluoromethylene) and vinylidene chloride		148878-17-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroheptanedioic acid		14919-09-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(Methyl((nonafluorobutyl)sulfonyl)amino)butyl prop-2-enoate		1492-87-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,3-Dichloro-1,1,1,2-tetrafluoropropane		149329-25-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
6:2 Fluorotelomer thioether propanoic acid		149339-57-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4(perfluorooctyl)-2-butanol		149868-74-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, ethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		149935-01-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Cryolite		15096-52-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3:2 Fluorotelomer iodide		1513-88-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
151402-74-3 (name too long)		151402-74-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoro-2-methyl-2-propanol		1515-14-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(E)-Perfluoro-2-butene		1516-64-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-Chloro-1,1,1,2-tetrafluoropropane		151771-09-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
152286-23-2 (name too long)		152286-23-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Oxirane, methyl-, polymer with oxirane, mono(2-methyl-2-propenoate), octyl ether, polymer with α-fluoro-ω-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] (9CI)		152286-25-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Allyl perfluoroisopropyl ether		15242-17-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymer withchloroethene and .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		152521-12-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, hexadecyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and octadecyl 2-propenoate		152521-13-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(perfluoroethanesulfonyl)imide		152894-10-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,2H-Perfluorocyclopentane		15290-77-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Magnesium, chloro-2-propen-1-yl-, reaction products with Me esters of fluorinated reduced polymd. oxidized tetrafluoroethylene and trimethoxysilane		1538576-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Difluoroiodomethyl)-1,1,1,2,3,3,3-heptafluoropropane		1542-18-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzoic acid, ethenyl ester, polymer with propanoic acid, 2,2-dimethyl-, ethenyl ester, 1-butanol 4-(ethenyloxy)-, 1-propene, 2-methyl- and ethene, tetrafluoro-		154532-82-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
7H-Perfluoroheptanoic acid		1546-95-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,4,4,5,5-Heptafluoro-1-pentene		1547-26-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trichloro(3-(1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy)propyl)silane		15538-93-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, N-(3-isocyanatomethylphenyl)carbamates		1564254-27-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Oxiranemethanol, polymers with reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		156559-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

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Perfluoro-9-methyldecanoyl fluoride		15720-98-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,5,5,6,6,7,8,8,8-Tetradecafluoro-7-(trifluoromethyl)octyl fluoride		15742-62-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
cis-Perfluoro-2,4-dimethylcyclobutane		1583-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2R,4R)-1,1,2,3,3,4-Hexafluoro-2,4-bis(trifluoromethyl)cyclobutane		1583-98-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(2-methylpent-2-ene)		1584-03-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene, oxidized		158706-63-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-5-(trifluoromethyl)hexanoic acid		15899-29-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-6-methylheptanecarboxylic acid		15899-31-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrafluoro-2-(trifluoromethoxy)-N,N-bis(trifluoromethyl)ethanamine		160228-75-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propanaminium, 3-amino-N-(2-carboxyethyl)-N,N-dimethyl-, N-(δ-.omega.-perfluoro-β-hydroxy-C12-18-alkyl) derivs., inner salts		160336-10-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Chloroethylene-vinylformic acid-perfluoroalkyl(ethyl) copolymer		160476-36-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,5,7,7-Tetrachloro-2,2,3,4,4,5,6,6,7-nonafluoroheptanoic acid		16069-78-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, esters, 2-methyl-, 2-ethylhexyl ester, polymers with 2-[[(heptadecafluorooctyl)sulfonyl]amino]ethyl methacrylate N-C1-3-alkyl derivs.		160709-33-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Iodoperfluoroalkane(C5-14)		160738-69-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(4-methyl-3,6-dioxaoct-7-ene)sulfonyl fluoride		16090-14-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium, di(perfluoroalkyl(C4-18))sulfonatobutanedioic acid		160994-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
161075-00-9 (Name Too Long)		161075-00-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated		161075-02-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, hydrolysed		161075-03-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters		161075-12-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoropropene, oxidized, oligomers, reduced and hydrolyzed		161075-14-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl(C4-23) iodide		161075-23-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alanine, 2-methyl-N-(1-oxo-2-propenyl)-, perfluoro-.omega.-[(perfluoro-C1-8-alkyl)oxy]-C3-12-alkyl esters		161075-35-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alcohols, C12-26-secondary, .gamma.-.omega.-perfluoro, ethoxylated (2-Perfluoroalkyl(C9-23)-1-methylethyl polyoxyethylene ether)		161075-39-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Dioxole, 2,2,4-trifluoro-5-(trifluoromethoxy) polymer with tetrafluoroethene		161611-79-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropropyl trifluorovinyl ether		1623-05-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, ethoxylated		162492-15-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alcohols, C8-14, perfluoro, reaction products with di-Me, Me hydrogen siloxanes and polyethylene glycol mono-Me ether Basic information		162567-79-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, butyl ester, reaction product with poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-hydroxy-, and N-ethyl-N-2-hydroxyethyl perfluorooctane sulfonamide		162568-17-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1627515-87-0 (name too long)		1627515-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexanenitrile, 2,2,3,3,4,4,5,5,6,6-decafluoro-6-[(trifluoroethenyl)oxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		163336-49-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-ethylhexyl ester, polymer with 1,1-dichloroethene and .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		163440-88-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-hydro-.omega.-(2,2-dichloro-2-fluoroethyl)-		163440-89-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethyl perfluorobutyl ether		163702-05-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroisobutyl ethyl ether		163702-06-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluorobutyl methyl ether		163702-07-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroisobutyl methyl ether		163702-08-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoro(2,7-dimethyl-3,6-dioxasuberoyl) fluoride		1644-10-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(2-propoxypropyl vinyl ether)		1644-11-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoroisopropylideneimine		1645-75-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, di-Me, Bu group- and 3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group-terminated, telomer with acrylic acid, di-Me, Me 3-mercaptopropyl siloxanes, Me acrylate, Me methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]		1645845-44-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, di-Me, polymers with 3-[(2-aminoethyl)amino)propyl silsesquioxanes, hydroxy-terminated, reaction products with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonyl fluoride		1645848-42-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,1-difluoroethene, ethyl 2-propenoate and 1,1,2,3,3,3-hexafluoro-1-propene		1646594-71-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy(1,1,2,2-tetrafluoro-1,2-ethanediyl)], α-(2,2,2-trifluoroacetyl)-ω-[(2,2,2-trifluoroacetyl)oxy]-		1646599-55-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2,2,3,3,4,5,5-Octafluoro-4-(trifluoromethyl)-Cyclopentanecarbonyl fluoride		1646599-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-tetrafluoropropanamide		1647-57-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-9-(trifluoromethyl)decanoic acid		16486-94-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorooctadecanoic acid		16517-11-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Propane, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethane		165178-32-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorooctanesulfonamido ammonium iodide		1652-63-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1,3-Trichloro-1,2,2,3,3-pentafluoropropane		1652-81-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2H-Perfluoroethyl)(1H,1H,3H-perfluoropropyl)ether		16627-68-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Iodo-1H,1H,2H,2H-perfluoroheptane		1682-31-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-(perfluoroethoxy)propanoyl fluoride		1682-78-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanesulfonyl fluoride, 1,1,2,2-tetrafluoro-2-[(1,2,2-trifluoroethenyl)oxy]-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, lithium salts		1687740-67-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Perfluorooctylsulfonyl-N-ethylaminoethyl alcohol		1691-99-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Cyclohexanemethanol, 4-(ethenyloxy)methyl-, polymer with chlorotrifluoroethene, (ethenyloxy)cyclohexane, .alpha.-4-(ethenyloxy)methylcyclohexylmethyl-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and ethoxyethene		170442-59-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methanol, reaction products with 1,1,1,2,2,3,4,5,5,6,6,7,7,7-tetradecafluoro-3-heptene		1708962-18-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methanol, reaction products with 1,1,1,2,3,4,4,5,5,6,6,7,7,7-tetradecafluoro-2-heptene		1708962-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Isoprene-Chlorotrifluoroethylene copolymer		172018-29-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium perfluorononanesulfonate		17202-41-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Tetrafluoroethylene-Formaldehyde copolymer		172074-62-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Chlorotrifluoroethylene-Vinylmethyldiethoxysilane copolymer		172074-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Vinyl chloride-2,2,3,3-Tetrafluoropropyl acrylate copolymer		172074-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propane sulfonic acid and 2,2,2-trifluoroethyl 2-propenoate		172083-53-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-Heptadecafluorooctanesulfonamidobenzenesulfonic acid sodium salt		172398-80-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Difluoromethylene)-4,4,5-trifluoro-5-(trifluoromethyl)-1,3-dioxolane		17256-52-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
6-H-Perfluorohexanoic acid		1726-50-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 2,2,3,3,4,4-hexafluoro-4-iodobutanoate		17308-98-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-(ethyl((nonafluorobutyl)sulfonyl)amino)ethyl ester		17329-79-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-3,4-dimethylhexane		1735-48-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroindane		1736-47-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(1,1,2,2-Tetrafluoroethoxy)toluene		1737-10-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,3,3,3-Hexafluoropropane-2,2-diamine		1737-80-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(1,1,9,9-tetrahydro-2,5-bis(trifluoromethyl)-3,6-dioxa-8-nonen-1-ol)		174082-85-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
174393-72-7 (name too long)		174393-72-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1,1,3,3,3-Hexafluoro-2-(trifluoromethyl)propan-2-yl 2-methylprop-2-enoate		17526-97-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrahydroperfluorobutyl acrylate		17527-31-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzene, 1,3-diisocyanatomethyl-, polymers with hydrolyzed Me esters of reduced polymd. oxidized tetrafluoroethylene		175449-31-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Heptafluorobutanoyl)pivaloylmethane		17587-22-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Chloroheptafluorocyclopentene		1759-63-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionate-O,O')europium		17631-68-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H-Heptafluorobutyl epoxide		1765-92-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-N-[(trifluoromethyl)sulfonyl]butanesulfonamide sodium salt		176719-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, di-Me, vinyl group-terminated, polymers with 4-bromo-3,3,4,4-tetrafluoro-1-butene, 1,1-difluoroethene, 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene		177473-71-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanenitrile, 2,3,3,3-tetrafluoro-2-[1,1,2,2,3,3-hexafluoro-3-[(trifluoroethenyl)oxy]propoxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		177484-43-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-[(Perfluorooctane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium		178094-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3-[(Perfluoroheptane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt		178094-70-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-[(Perfluoropentane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt		178094-72-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-[(Perfluorobutane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt		178094-73-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N,N-Dimethyl-3-{[(pentadecafluoroheptyl)sulfonyl]amino}-1-propanamine N-oxide		178094-74-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N,N-dimethyl-3-[(perfluoropentane-1-sulfonyl)amino]propan-1-amine N-oxide		178094-75-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-[(Perfluorobutane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide		178094-76-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, Me hydrogen, Me 3,3,4,4,5,5,6,6,6-nonafluorohexyl		178233-65-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Erbium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato-βO3,βO5)-		17978-75-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Praseodymium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato-βO3,βO5)-		17978-77-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,2H,2H-Perfluorohexyl methacrylate		1799-84-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,6-Divinylperfluorohexane		1800-91-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Decafluoro-5-(trifluoromethyl)hexanoyl fluoride		18017-31-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoromethylcyclopentane		1805-22-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
6:2 Fluorotelomer sulfonate barium salt		1807944-82-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,2-Pentafluoropropane	1,1,1,2,2-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	1814-88-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium tributyl(2-methoxypropyl)phosphanium 4,4'-(1,1,1,3,3,3-hexafluoropropane-2,2-diyl)diphenolate (1/1/1)		181531-28-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, C1-20-alkyl esters, polymers with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene		182700-81-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Butenedioic acid (Z)-, di-C1-20-alkyl esters, polymer with acrylamide N-[(C1-10-alkyloxy)methyl]derivs.,.alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl] poly (difluoromethylene) and vinylchloride		182700-82-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Butenedioic acid (Z)-, di-C1-20-alkyl esters, polymer with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl acrylate and vinyl chloride		182700-83-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, C1-20-alkyl esters, polymers with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and polyethylene-polypropylene glycol monoacrylate		182700-84-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenamide, N-[(C1-20-alkyloxy)methyl]derivs., polymers with acryonitrile,.alpha.-fluoro-.omega.-[2-[(1-oxo-propenyl)oxy]ethyl] poly(difluoromethylene) and polyethylene-polypropylene glycol acrylate C1-20-alkyl		182700-85-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-, reaction products with benzene-chlorine-sulfur chloride (S2Cl2) reaction products chlorides		182700-90-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ytterbium(3+) tris[(3Z)-6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-5-oxo-3-octen-3-olate]		18323-96-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoyl fluoride, polymer with trifluoro(trifluoromethyl)oxirane reaction products with 3-(ethenyldimethylsilyl), N-methylbenzeneamine		185701-88-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)silanetriol		185911-29-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,4-Dibromo-1,1,2,2-tetrafluorobutane		18599-20-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Vinyl(1-bromoperfluoroethane)		18599-22-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N,N,N',N',N'',N''-Hexamethyl-1-(1,1,2,2,3,3,6,6,6-nonafluorohexyl)silanetriamine		186599-46-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium hexadecafluorononanoate		1868-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethyl N-ethyl-N-((heptadecafluorooctyl)sulfonyl)glycinate		1869-77-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 2-propenoic acid and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate, sodium salt		1878204-24-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-N-(perfluoroethyl)sulfonylethanesulfonamide compd. with N,N-diethylethanamine (1:1)		188596-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3,3,4,4,5,5-Heptafluoro-Cyclopentene		1892-03-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-ethylsulfonylglycine, perfluoroalkyl (C5-10), potassium salt		190605-64-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3-(Heptafluoroisopropoxy)propyltrimethoxysilane		19116-61-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 4-trifluoroethenoxy-2,2,3,3,4,4-hexafluorobutanoate		19190-61-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,5,5-Octafluoro-5-[(trifluoroethenyl)oxy]pentanenitrile		19237-73-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propanol, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-[(1,1,2-trifluoro-2-propen-1-yl)oxy]propoxy]-, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[(1,2,2-trifluoroethenyl)oxy]propane and 1,1,2,2-tetrafluoroethene		192575-94-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,5,5,6,6,6-Nonafluorohexene		19430-93-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(4-tert-butylphenyl)iodanium nonafluorobutane-1-sulfonate		194999-85-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly[oxy(methyl-1,2-ethanediyl)], α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxy-, polymer with α-fluoro-ω-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl) (9CI)		195158-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-[(Bicyclo[2.2.1]hept-5-en-2-yl)methyl]-1,1,1,3,3,3-hexafluoropropan-2-ol		196314-61-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2'-(1,4-Phenylene)bis(hexafluoropropan-2-ol)		1992-15-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Diphosphoric acid, polymers with ethoxylated reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		200013-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Dichloro-3-(perfluoro-2-propoxy)propylmethylsilane		20006-68-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
200358-70-9 (name too long)		200358-70-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-Methyl-alpha,alpha-bis(trifluoromethyl)benzenemethanol		2010-61-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium perfluoroheptanoate		20109-59-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3,3,4,4,5,5,6,6-Octafluoro-6-iodohex-1-ene		203929-12-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4:2 Fluorotelomer alcohol		2043-47-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,2H,2H-Perfluorohexyl iodide		2043-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,5-Dichloro-1,1,1,3,3,4,5,5-octafluoropentan-2-one		20474-89-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(2-methyl-3-oxahexanoyl) fluoride		2062-98-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
2,2,3,3-Tetrafluoropropionamide		2069-86-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]-, polymer with 1,1-dichlorethene		207004-58-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-4-methyl-2-pentene		2070-70-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(1-Propanamine, 2-(trimethoxysilyl)-, reaction products with reduced methanol-peroxidized poly(tetrafluoroethylene)		207574-77-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
		207691-69-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Oxirane, methyl-, polymer with oxirane, mono(4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluoro-1-methyl undecyl)ether		208721-05-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, ion(1-), 1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium		209482-18-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-(1,3-Dimethylbutoxy)-2-(perfluorohexyl)ethane		210896-25-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-[(trifluoroethenyl) oxy]-, sodium salt, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]propane and tetrafluoroethene		211697-45-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fatty acids, C7-19, perfluoro, ammonium salts		212013-54-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
212013-59-7 (name too long)		212013-59-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, reaction products with N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonamide		212335-64-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2,2,2-Tetrafluoroethanesulfonyl fluoride		2127-74-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer		213188-00-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)		213740-80-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoroisopropyl acrylate		2160-89-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylhexyl-2-propenoate, 2-[(heptadecafluorooctyl)sulfonyl]propylamino]ethyl-2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		218448-95-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-ethylhexyl ester, polymer with 2-[[(heptadecafluorooctyl)sulfonyl]propylamino]ethyl, 2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl)		218448-99-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Dimethyl 2-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-1,3-propanedioate		220075-01-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, salt with sulfonium, dimethylphenyl- (1:1)		220133-51-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
1-Propene, 1,1,2,3,3,3-hexafluoro-, telomer with chlorotrifluoroethene, oxidized, reduced, Et ester, hydrolyzed		220182-27-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Octadecanamine, reaction products with Et esters of reduced polymd. oxidized tetrafluoroethylene		220207-10-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetrabutylphosphonium perfluorobutanesulfonate		220689-12-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Octadecafluoro-1,9-diiodononane		22116-95-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium perfluorobutanoate		2218-54-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-(2,3,4,5,6-pentafluorophenoxy)-propanoyl fluoride		22304-57-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propanamine, 3-(triethoxysilyl)-, reaction products with Et esters of reduced polymd. oxidized poly(tetrafluoroethylene)		223557-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N,N',N''-(Phosphinylidynetris(oxyethane-2,1-diyl))tris(N-ethylheptadecafluorooctane-1-sulphonamide)		2250-98-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2,3,3,3-Pentafluoropropene		2252-83-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H-Heptafluoropropane	1,1,1,2,2,3,3-ﾍﾌﾟﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2252-84-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Butylheptadecafluoro-N-(2-hydroxyethyl)octanesulphonamide		2263-09-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1H,1H,6H,6H-Perfluorohexane-1,6-diol diacrylate		2264-01-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Bis[4-(ethenyloxy)butyl] 2-(perfluorohexyl)ethylpropanedioate		226409-30-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Propylperfluorooctanesulfonamide		2266-83-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrafluorotetrachloropropane	1,1,1,3-ﾃﾄﾗｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2268-46-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ammonium 2,2,3,3,4,4,5,5-octafluorovalerate		22715-45-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium 2,2,3,3-tetrafluoropropionate		22898-01-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate		2353-52-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorooctylsulfonylpropylaminoethyl acrylate		2357-60-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, butyl ester, polymer with ethenyl chloroacetate, ethyl 2-propenoate, 2,2,3,3,4,4,5,5-octafluoropentyl 2-propenoate and 2,2,3,3-tetrafluoropropyl 2-propenoate (9CI)		235775-84-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-methylaniline		238098-26-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
241148-23-2 (name too long)		241148-23-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tris(4-tert-butylphenyl)sulfonium perfluorobutanesulfonate		241806-75-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentadecafluoro-2-iodoheptane		24394-25-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Heptafluoropropan-2-ol		24427-67-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Methyl-N-(2-hydroxyethyl)perfluorooctanesulfonamide		24448-09-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3-chloro-2,2,3,3-tetrafluoropropanoyl chloride		24503-62-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentafluoro(1,2,2-trifluoro-2-((trifluorovinyl)oxy)-1-(trifluoromethyl)ethoxy)benzene		24520-19-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyvinyl fluoride		24981-14-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fomblin Y 04		25038-02-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(ethylene-tetrafluoroethylene)		25038-71-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1-chloro-1,2,2-trifluoro-, polymer with 1,1,2,2-tetrafluoroethene		25038-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoropropene tetrafluoroethylene polymer		25067-11-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, dipotassium salt		25088-69-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Vinyl fluoride-Vinylidene fluoride-Chlorotrifluoroethylene copolymer		25101-38-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Chlorotrifluoroethylene-ethylene polymer		25101-45-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1-chloro-1,2,2-trifluoroethene and 1,1-difluoroethene		25101-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butanol, 4-(ethenyloxy)-, polymer with 1,1,2,2-tetrafluoroethene		25120-52-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Vinyl fluoride-Hexafluoropropylene copolymer		25120-58-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		25190-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-Methylperfluorooctanesulfonamidoethyl acrylate		25268-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Propane, 1,1,2,2,3,3-hexafluoro-1-[(trifluoroethenyl)oxy]-3-(trifluoromethoxy)-, polymer with 1,1-difluoroethene and tetrafluoroethene		252846-11-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentafluoroiodoethane-tetrafluoroethylene telomer		25398-32-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N,N,N,-Triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate		25628-08-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,1-difluoroethene		25684-76-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Isobutylene-Tetrafluoroethylene copolymer		25684-89-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(2-(2-phenoxypropoxy)propanoyl) fluoride		25711-77-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluorocyclohexyl)methyl methacrylate		25965-83-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methanol, telomer with 1,1,2,2-tetrafluoroethene		25971-78-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,2,3,3-Heptafluoro-3-{[1,1,1,2,3,3-hexafluoro-3-({1,1,1,2,3,3-hexafluoro-3-[(trifluoroethenyl)oxy]propan-2-yl}oxy)propan-2-yl]oxy}propane		2599-84-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polymer of tetrafluoroethylene-vinylacetate		26299-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoropropene oxide trimer		2641-34-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,2,2-trifluoro-2-(trifluoromethoxy)ethene		26425-79-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Perfluoropropoxy)-1H,1H-perfluoropropanol		26537-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, esters, 2-methyl-, 2-ethylhexyl ester, polymer with 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl 2-propenoate		26570-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Oxirane, 2,2,3,3-tetrafluoro-, homopolymer		26591-06-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Decafluorobis(trifluoromethyl)cyclohexane		26637-68-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetrafluoroethylene-perfluoro(sulfinoethoxypropoxytrifluoroethylene) copolymer		26654-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoro-3-[(trifluoroethenyl)oxy]propane, polymer with tetrafluoroethene		26655-00-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzene, pentafluoro[1,2,2-trifluoro-2-[(trifluoroethenyl)oxy]-1-(trifluoromethyl)ethoxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		26658-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(4H-Perfluorobutyl)-2-propanol		2673-15-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroether E4		26738-51-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoic acid, ethenyl ester, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		26779-98-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,2,3,4,4,5,5,5-Undecafluoro-3-(1,1,2,2,2-pentafluoroethyl)pentane		2690-05-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, polymer with 1,1,2,2-tetrafluoroethene		27029-05-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Sodium perfluoropentanoate		2706-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropentanoic acid		2706-90-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropentanesulfonic acid		2706-91-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Hexafluoropropane	ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	27070-61-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2H-Perfluorofluoro-5,8,11,14,17,20,23-heptamethyl-3,6,9,12,15,18,21,24-octaoxaheptacosane		27120-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,4-Heptafluoro-N-(2-hydroxy-4-nitrophenyl)butyramide		2712-83-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1-Dibromo-1,2,2,2-tetrafluoroethane	1,1-ｼﾞﾌﾞﾛﾓ-1,2,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	27336-23-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, 3-[[2-[(2-aminoethyl)amino]ethyl]amino]propyl hydroxy, hydroxy 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl, hydroxy-terminated, formates (salts)		273737-91-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C3 fraction		274917-93-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C4 fraction		274917-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C5 fraction		274917-95-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C6 fraction		274917-96-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C7 fraction		274917-97-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C8 fraction		274918-01-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C9 fraction		274918-02-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C10 fraction		274918-03-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C11 fraction		274918-09-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C12 fraction		274918-10-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C13 fraction		274918-12-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,17,18,18,18-Icosafluoro-2,5,8,11,14-pentakis(trifluoromethyl)-3,6,9,12,15-pentaoxaoctadecan-1-ol		27617-34-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,5,5,6,6,6-Nonafluorohexane-1-sulphonyl chloride		27619-88-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoyl fluoride		27639-98-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1-Dichloro-2,3,3,3-tetrafluoroprop-1-ene		2804-55-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium perfluorodecanesulfonate		2806-16-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(1,1,2,2-Tetrafluoroethoxy)nitrobenzene		28202-32-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(3,5,6-trichloro-2,2,3,4,4,5,6,6-octafluoro-1-oxohexyl)peroxide		28285-49-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-6-(1,2-dibromoethoxy)hexanenitrile		283593-02-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Chloro-1,1,1,2-tetrafluoroethane	2-ｸﾛﾛ-1,1,1,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(別名HCFC-124)	2837-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Vinyl chloride-1,1,5-Trihydroperfluoroamyl acrylate copolymer		28497-93-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,3-Trihydroperfluoropropyl acrylate-Styrene copolymer		28501-21-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
S-((Perfluoro-7-(methyl)octyl)ethyl) thiomethacrylate		28506-33-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sevoflurane		28523-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorodimethylcyclobutane		28677-00-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluorocyclohexyl)methanol		28788-68-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propane, 1,1,1,2,2,3,3-heptafluoro-3-[(1,2,2-trifluoroethenyl)oxy]-, polymer with ethene and 1,1,2,2-tetrafluoroethene		29087-71-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		29117-08-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-[2,4-Bis(1,1-dimethylpropyl)phenoxy]-N-[4-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-3-hydroxyphenyl]-Hexanamide		2923-93-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-(trifluoromethoxy)propionyl fluoride		2927-83-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorononanesulfonate potassium		29359-39-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(4-(1,1,1,3,3,3-Hexafluoro-2-hydroxy-propan-2-yl)phenyl)-N-(2,2,2-trifluoroethyl)benzenesulfonamide		293754-55-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(3-oxapent-4-ene)sulfonyl fluoride		29514-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Methyl-3,3,4,4-tetrafluoro-2-butanol		29553-26-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bis(2-{ethyl[(perfluorooctyl)sulfonyl]amino}ethyl) hydrogen phosphate		2965-52-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Polymer(ethylene/tetrafluoroethylene/propylene)		29697-44-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, 3-aminopropyl ethoxy, ethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl), polymers with 3-aminopropyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silsesquioxanes, hydrolyzed, formates (salts)		297175-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copper, [C,C,C,C-tetrakis(pentadecafluoroheptyl)-29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-		29763-53-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-Ethoxyperfluoro(2-methylhexane)		297730-93-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroeicosyl iodide		29809-34-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorooctadecyl iodide		29809-35-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Vinyl 1H,1H,3H-perfluoropropyl ether		29819-80-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(N-Ethylperfluorooctanesulfonamido)acetic acid		2991-50-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate		2991-52-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
(6H-Perfluorohexyl)methyl acrylate		2993-85-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-1,2-dimethylcyclobutane		2994-71-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Benzenedicarboxylic acid, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-		3016-76-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,7-dimethyloctane		3021-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
[3-(Heptadecafluorooctylsulfonylamino)propyl]dimethylamine N-oxide		30295-51-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-3-ethyl-2,4-dimethyl-2-pentene		30320-26-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(3-isopropyl-4-methyl-2-pentene)		30320-27-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutanesulfonamide		30334-69-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium perfluoroundecanoate		30377-53-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium bis(N-ethyl-2-perfluorooctylsulfonaminoethyl)phosphate		30381-98-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Copolymer of 1,1-difluoroethylene-perfluoroethylene-chlorotrifluoroethylene (a number-average molecular weight is not less than 1,000 and polymer is insoluble in water, fat-soluble solvent, usual solvent, acid and alkali)		30421-59-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctylamine		30556-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2,2,2-trifluoro-1-(trifluoromethyl)ethyl ester		3063-94-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorotetradecahydrophenanthrene		306-91-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-(Trifluoromethyl)perfluorodecalin		306-92-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perflunafene		306-94-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoro-2-methyldecalin		306-95-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid (TSCA)		306973-44-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-1,2-dimethylcyclohexane		306-98-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●								●							
2-Methyl(nonafluorobutyl)sulfonylaminoethyl 2-propenoate telomer with 2-mercaptoethanol		306997-46-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroperhydrofluorene		307-08-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-chloro-1,1,2,2,3,3,4,4,5,5,6,6-dodecafluorohexane		307-22-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Chloroheptadecafluorooctane		307-33-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorooctane	ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝ	307-34-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●									●							
Perfluorodecane		307-45-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroundecane		307-49-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorodecanesulphonyl fluoride		307-51-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluorododecane		307-59-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorotetradecane		307-62-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,11H-Eicosafluoro-1-undecanol		307-70-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorodecanedioic acid		307-78-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propanol, 1-[4-(1-methylpropyl)phenoxy]-3-(2,2,3,3-tetrafluoropropoxy)-		308362-88-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N,N-Diethyl-2H-perfluoropropanamine		309-88-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium perfluorocyclohexyl sulfonate		3107-18-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Disodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl phosphate		3107-32-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-3,6-dioxa-4-methyl-7-octenesulfonic acid-tetrafluoroethylene polymer		31175-20-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-[1,2,2-trifluoro-2-[(trifluoroethenyl)oxy]-1-(trifluomethyl)ethoxyl]-, sodium salt, polymer with tetrafluoroethene		31176-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorotributylamine		311-89-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl ester, homopolymer		31214-91-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1,2,2-Tetrafluoro-3-(trimethylsilyl)-cyclobutane		312-81-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Methylperfluorooctanesulfonamide		31506-32-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-Butylperfluorooctane-1-sulfonamide		31506-34-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetrafluoroethene polymer with trifluoro(pentafluorethoxy)ethene		31784-04-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, telomer with 2,2-dichloro-1,1,1-trifluoroethane and 1,1-difluoroethene (9CI)		321657-92-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoyl) peroxide		32687-76-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(1,1,1,3,3,3-Hexafluoropropane-2,2-diyl)di(4,1-phenylene) dicyanate		32728-27-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Vinyl fluoride-Vinylidene fluoride-Tetrafluoroethylene copolymer		32802-40-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Propanediol, 3-(diethylamino)-, polymers with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, propylene glycol and reduced Me esters of reduced polymd. oxidized tetrafluoroethylene, 2-ethyl-1-hexanol-blocked, acetates (salts)		328389-90-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymers with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and reduced Me esters of reduced polymd. oxidized tetrafluoroethylene, compds. with triethylamine		328389-91-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
328390-05-2 (name too long)		328390-05-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy(methyl-1,2-ethanediyl)], α-hydro-ω-hydroxy-, polymer with 1,3-diisocyanatomethylbenzene, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-N-propyl-1-octanesulfonamide- and polypropylene glycol mono-Bu ether-blocked		330678-54-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tributyl(2-methoxypropyl)phosphonium methyl((nonafluorobutyl)sulfonyl)azanide		332350-90-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Phosphonium, triphenyl(phenylmethyl)-, salt with 1,1,2,2,3,3,4,4,4-nonafluoro-N-methyl-1-butanesulfonamide (1:1)		332350-93-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Methyl-1-butanesulfonamide, 1,1,2,2,3,3,4,4,4-nonafluoro-, salts with benzene-chlorine-sulfurchloride reaction products		332912-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2H-Perfluoro-5-methyl-3,6-dioxanonane		3330-14-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-3-(1H-perfluoroethoxy)propane		3330-15-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2H-Perfluoro(5,8-dimethyl-3,6,9-trioxadodecane)		3330-16-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,3-dimethylpentane		335-14-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroethylcyclohexane		335-21-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-1,3-diethylcyclohexane		335-23-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-1,3-dimethylcyclohexane		335-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoro-2-butyltetrahydrofuran		335-36-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●									●							
Perfluorobutanoyl fluoride		335-42-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

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2,2,3-Trichloroheptafluorobutane		335-44-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroheptane	ﾍﾟﾙﾌﾙｵﾛﾍﾌﾟﾀﾝ	335-57-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●								●							
1-Iodopentadecafluoroheptane		335-58-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl ester, polymer with α-(1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl) and 2-propenoic acid, graft (9CI)		335593-06-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,8-Diiodoperfluorooctane		335-70-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroheptanesulphonyl fluoride		335-71-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1H,1H,7H-Dodecafluoro-1-heptanol		335-99-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorohexanedioic acid		336-08-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutanoic anhydride		336-59-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(perfluorobutyryl)peroxide		336-64-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Ethoxy-2,2,3,3,3-pentafluoro-1-Propanol		337-28-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4-Tetrafluoro-4-iodo-1-butene		33831-83-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluamine		338-83-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorocarbon FC 70		338-84-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(2,2,3,3-Tetrafluoropropyl)morpholine		343331-58-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrahydroperfluorohexadecyl acrylate		34362-49-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrahydroperfluorotetradecyl acrylate		34395-24-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)butane-1-sulphonamide		34449-89-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol		34454-97-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluorobutane-1-sulfonamidoethanol		34454-99-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide		34455-00-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
8:3 Fluorotelomer carboxylic acid		34598-33-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4'-[2-(2,4-Di-tert-pentylphenoxy)butyramido]perfluoro-2'-hydroxybutyranilide		346-10-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutane-1-sulfinic acid		34642-43-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Europium tri[3-(heptafluoropropylhydroxymethylene)]-(+)-camphorate		34788-82-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1-Trifluoro-2-(trifluoromethyl)pentane-2,4-diol		34844-48-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Methanol, reaction products fluorinated 2,2,3,3-tetrafluorooxetane homopolymer-iodine reaction products-trichloroethenylsilane polymer		349660-50-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, polymer with butyl-2-propenoate, 2-propenoic acid, 2-hydroxyethyl ester and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-2-propenoate		350672-19-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, polymer with butyl-2-propenoate, 2-hydroxyethyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-2-propenoate, compd. with 2-(dimethylamino)ethanol		350672-20-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(1,1,2,2-Tetrafluoroethoxy)-benzaldehyde		35295-35-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(1,1,2,2-Tetrafluoroethoxy)-benzaldehyde		35295-36-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propane, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]-, polymer with chlorotrifluoroethene and ethene		35397-13-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-chloro-1,1,2,2-tetrafluoroethane	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(HCFC-124)	354-25-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Pentafluoroethane	ﾍﾟﾝﾀﾌﾙｵﾛｴﾀﾝ	354-33-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroacetyl fluoride		354-34-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentafluoroiodoethane		354-64-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Diiodotetrafluoroethane		354-65-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluoroethyl)methyl iodide		354-69-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentafluoropropionamide		354-76-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trichloro(1,1,2,2-tetrafluoroethyl)silane		354-83-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentafluoro ethanesulfonyl fluoride		354-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroethanesulfonic acid		354-88-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perflisobutane		354-92-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,3-dimethylbutane		354-96-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2-methyl-3-ethylpentane		354-97-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Hexane, 1,6-diisocyanato-, homopolymer, 1,1,2,2,3,3,4,4,4,-nonafluoro-N-(2-hydroxyethyl)-N-methyl-1-butanesulfonamide- and stearyl alcohol-blocked		355009-66-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoromethylcyclohexane		355-02-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroisohexane		355-04-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3,3,4,4,5,5,5-Heptafluoropent-1-ene		355-08-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3-Dichlorooctafluorobutane		355-20-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,4-Dichloro-1,1,2,2,3,3,4,4-octafluorobutane		355-24-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluorobutane		355-25-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1H,1H-Perfluoro-1-pentanol		355-28-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H-Perfluorohexane		355-37-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorohexane		355-42-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1,1,2,2,3,3,4,4,5,6,6,6-Tridecafluoro-5-iodohexane		355-44-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorohexadecyl iodide		355-50-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		35560-16-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,6H,6H-Perfluoro-1,6-hexanediol		355-74-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,5H-Perfluoropentanol		355-80-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,5H-Perfluoropentyl methacrylate		355-93-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Dichloro-1,2,2,3,4,4-hexafluoro-cyclobutane		356-19-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl perfluorobutanoate		356-24-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Heptafluorobutyraldehyde ethyl hemiacetal		356-26-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethyl perfluorobutanoate		356-27-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,3,3,4,4,5,6,6-Decafluorohexa-1,5-diene		356-35-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentafluoropropanoic anhydride		356-42-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(pentafluoropropionyl) peroxide		356-45-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2-methyloxane		356-47-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-5-(pentafluoroethyl)oxolane		356-48-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H-Perfluoropropyl acrylate		356-86-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexane, 1,6-diisocyanato-, homopolymer, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol-blocked		357624-15-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrafluoroethane	1,1,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	359-35-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,3,3,3-Tetrafluoro-1-methoxy-2-(trifluoromethyl)-1-propene		360-53-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 3,3,3-trifluoro-2-(trifluoromethyl)propionate		360-54-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobut-2-ene		360-89-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,3H-Perfluorobutyl 2-methylacrylate		36405-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium perfluoro(7-methyloctanoate)		3658-62-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3-Bis(trifluoromethyl)perfluoropentane		36591-89-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propene, 1,1,2,3,3,3-hexafluoro-, oxidized, polymd., reduced, hydrolyzed, reaction products with ammonia		370097-12-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanol, 2,2',2''-nitrilotris-, compds. with hydrolyzed reduced polymd. oxidized 1,1,2,3,3,3-hexafluoro-1-propene		370097-18-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		370100-90-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
7:2 Fluorotelomer dihydrogen phosphate		37013-72-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with methyloxirane polymer with oxiranemono-2-propenoate, tert- Bu 2-ethylhexaneperoxoate-initiated		370873-97-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Pentene, 1,1,1,2,3,4,5,5,5-nonafluoro-4-(trifluoromethyl)-, (Z)-		3709-70-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(E)-Perfluoro(4-methyl-2-pentene)		3709-71-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(2-Methylsulfinyl-1,1-dimethyl-ethyl)-N'-{2-methyl-4-[perfluoroisopropyl]phenyl}phthalamide		371771-07-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(perfluorooctyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		37338-48-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1-Dichlorotetrafluoroethane	1,1-ｼﾞｸﾛﾛ-1,2,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	374-07-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,4-Pentafluorobut-1-ene		374-27-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2-bis(Trifluoromethyl)perfluoropropane		374-51-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Undecafluoro(heptafluoropropyl)cyclohexane		374-59-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutylcyclohexane		374-60-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, butyl ester, polymer with 2-ethylhexyl-2-propenoate, 2-hydroxyethyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-2-propenoate, 4,4'-azobis[4-cyanopentanoic acid]-initiated		374623-78-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-1,3,5-trimethylcyclohexane		374-76-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2,3,4,4,5,5,6-Decafluoro-3,6-bis(trifluoromethyl)cyclohexane		374-77-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2H-Tricosafluoro-5,8,11,14-tetrakis(trifluoromethyl)-3,6,9,12,15-pentaoxaoctadecane		37486-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, telomer with chlorotrifluoroethene, oxidized, reduced, Et ester		374931-83-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Heptafluorobutyl iodide		374-98-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Heptafluorobutyronitrile		375-00-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3:1 Fluorotelomer alcolhol		375-01-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Heptafluoro-1-methoxypropane		375-03-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Heptafluorobutyryl Chloride		375-16-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutyrylamidine		375-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutanoic acid		375-22-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1,1,3,4-pentachloro-2,2,3,4,4-pentafluorobutane		375-46-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-1,4-diiodobutane		375-50-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Iodoperfluorobutane		375-51-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropentanoyl fluoride		375-62-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trichloro(1,1,2,2,3,3,4,4-octafluorobutyl)-silane		375-63-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutanesulfonyl fluoride		375-72-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,6-Diiodoperfluorohexane		375-80-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropentanesulfonyl fluoride		375-81-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroheptanoyl fluoride		375-84-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroheptanoic acid		375-85-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●													●		
1-Bromopentadecafluoroheptane		375-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroheptanesulfonic acid		375-92-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluorononane		375-96-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorotridecane		376-03-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(N-Ethylperfluorooctanesulfonamido)ethyl methacrylate		376-14-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1H,1H,9H-Hexadecafluoro-1-nonanol		376-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Dioxole, 4,5-difluoro-2,2-bis(trifluoromethyl)-, polymer with 1,1,2,2-tetrafluoroethene		37626-13-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate		376-34-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Diethyl octafluorohexanedioate		376-50-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Adiponitrile, perfluoro		376-53-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
5H-Octafluoropentanoyl chloride		376-71-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
5H-Octafluoropentanoic acid		376-72-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropentanedioic acid		376-73-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,5H-Perfluoropentyl acrylate		376-84-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoroamylene glycol		376-90-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,4H-Octafluorobutane		377-36-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutanedioic acid		377-38-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2E)-4,4,5,5,6,6,6-Heptafluorohex-2-en-1-ol		37759-88-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Diethyl tetrafluorosuccinate		377-71-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Methyl 1H,1H-perfluoropropyl ether		378-16-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3-Tetrafluorocyclobutanemethanol		378-17-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl pentafluoropropionate		378-75-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium perfluoropropanoate		378-76-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium perfluoropropanoate		378-77-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Octafluoroadipoyl difluoride		37881-62-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-iodo-		378-82-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Silver perfluorobutanoate		3794-64-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(3-(Perfluorooctyl)sulphonylaminopropyl)trimethylammonium chloride		38006-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1-Bis(trifluoromethyl)ethene		382-10-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroisobutene		382-21-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,3,3-Pentafluoro-3-methoxy-2-(trifluoromethyl)propane		382-26-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(N-methylmorpholine)		382-28-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,3,3,3-Hexafluoro-2-(methoxymethyl)propane		382-30-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,3H-Perfluorobutanol		382-31-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,3,3-Hexafluoro-3-methoxypropane		382-34-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 2,3,3,3-tetrafluoropropanoate		382-93-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(N-Butylperfluorooctanesulfonamido)ethyl acrylate		383-07-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Dichloromethyl(3,3,4,4,5,5,6,6,6-nonafluorohexyl)silane		38436-16-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluoro-2-iodononan-1-ol		38550-44-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium perfluoropentanesulfonate		3872-25-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Praseodymium(3+) (1Z)-2,2,3,3,4,4,4-heptafluoro-1-(4,7,7-trimethyl-3-oxo-2-bicyclo[2.2.1]heptanylidene)butan-1-olate		38832-94-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Bis(1,1,2,2-tetrafluoroethoxy)benzene		3914-19-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methylperfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoic acid		39187-47-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alcohols, C8-14, .alpha.-.omega.-perfluoro, ethoxylated, propoxylated		391895-07-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tris(2-(perfluorododecyl)ethyl)phosphate		393098-42-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tris(2-(perfluorotetradecanyl)ethyl)phosphate		393098-44-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Chlorodifluoromethane and chloropentafluoroethane mixture		39432-81-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1,2,2,3,3,4,4,4-nonafluoro-N-[(trifluoromethyl)sulfonyl]-1-Butanesulfonamide		39847-37-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonyl)imide		39847-39-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium perfluorooctanesulfonate		4021-47-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●						●								●	
Pent-4-en-2-yl perfluoro-2-propoxypropanoate		402570-09-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,4-Dichloro-1-methylbutyl perfluoro-2-(propoxy)propanoate		402570-10-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,4-Dichloro-perfluoro-1-methylbutyl perfluoro-2-propoxypropanoate		402570-11-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(7-methyl)octanesulfonate potassium salt		40365-28-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(butyltetrahydrofuran)		40464-54-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●									●							
1,1,2,2,3,3-Hexafluoro-1-[(trifluoroethenyl)oxy]-3-(trifluoromethoxy)propane		40573-09-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzoic acid, 4-(1,1-dimethylethyl)-, ethenyl ester, polymer with ethene, 4-(ethenyloxy)-1-butanol, 1,1,2,3,3,3-hexafluoro-1-propene and 1,1,2,2-tetrafluoroethene		406207-51-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Heptadecafluoro-N,N-bis(2-hydroxyethyl)octanesulphonamide		40630-61-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Allylperfluorobutanesulfonamide		40630-65-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluorocyclohexyl)methyl prop-2-enoate		40677-94-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(1H,1H-Perfluoroethyl)(2H-perfluoroethyl)ether		406-78-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2:2 Fluorotelomer iodide		40723-80-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-(1,1,2,2-tetrafluoro-2-(fluorosulphonyl)ethoxy)propionyl fluoride		4089-57-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
8-Fluorosulfonylperfluoro(2,5-dimethyl-3,6-dioxaoctanoyl) fluoride		4089-58-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
[3,3,4,4-Tetrafluoro-4-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]butyl]trichlorosilane		413570-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
7H-Perfluoroheptanoyl chloride		41405-35-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(7.alpha.,17.beta.)-17-(acetyloxy)-7-[9-[(4,4,5,5,5-pentafluoropentyl)thio]nonyl]-estr-4-en-3-one		415927-29-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium 2-[(perfluorooctyl)oxy]benzene-1-sulfonate		41674-07-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2,2,3,3,4,4,5,5,6,6,7,7,8,9,9,9-Hexadecafluoro-8-(trifluoromethyl)nonyl)oxirane		41925-33-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-hydroxyethyl ester, adduct with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (1:1), reaction products with ethoxylated reduced Me esters of reduced polymd. oxidized		421595-49-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Bromo-1,1,2,2-tetrafluoro-2-iodoethane		421-70-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2-Tetrafluoro-2-chloropropane		421-73-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Dichloro-1,1,2,2-tetrafluoropropane		422-00-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3-Chloro-1,1,1,2,2-pentafluoropropane		422-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentafluoropropiononitrile		422-04-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2:1 Fluorotelomer alcohol		422-05-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3,3-Trichloro-1,1,2,2-tetrafluoropropane		422-54-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Chloro-1,1,2,2,3,3-hexafluoropropane		422-55-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3-Dichloro-1,1,1,2,2-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	422-56-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3-Chloro-1,1,1,2,2,3-hexafluoropropane		422-57-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropropionyl chloride		422-59-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropropionyl fluoride		422-61-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H-Perfluoro-1,1-propanediol		422-63-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropropanoic acid		422-64-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Dichloro(methyl)(1,1,2,2-tetrafluoroethyl)silane		422-69-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Bromoheptafluoropropane		422-85-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Chloroheptafluoropropane	ﾓﾉｸﾛﾛﾍﾌﾟﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	422-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,3-Diiodoperfluoropropane		422-91-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Undecafluoro(1,1,1,2,3,3,3-heptafluoropropan-2-yl)cyclohexane		423-02-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Chloro-1,1,2,2,3,3,4,4-octafluorobutane		423-31-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Nonafluoro-1-iodobutane		423-39-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropropanesulfonic acid		423-41-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium perfluoroundecanoate		4234-23-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Bromoheptadecafluorooctane		423-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(2-Hydroxyethyl)-N-propylperfluorooctanesulfonamide		4236-15-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
11:1 Fluorotelomer alcohol		423-65-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(N-Ethyl-N-(perfluorooctylsulfonyl)amino)ethyl acrylate		423-82-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-[(tridecafluorohexyl)oxy]hexane		424-20-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Diethyl perfluoroglutarate		424-40-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H-Perfluorobutyl acrylate		424-64-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanenitrile		42532-60-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoromethoxypropionyl fluoride		425-38-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3-Tetrafluoro-1,4-butanediol		425-61-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrafluoro-1-methoxyethane		425-88-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1-Trichloro-2,2,3,3,3-pentafluoropropane	1,1,1-ﾄﾘｸﾛﾛ2,2,3,3,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	4259-43-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Methyl perfluoro-2-[2-(3,3,3-trichloropropoxy)propoxy]propanoate		426264-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trichloro(1,1,2,3,3,3-hexafluoropropyl)silane		426-50-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethyl perfluoropropionate		426-65-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trifluoro(trifluoromethyl)oxirane		428-59-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexane, 1,6-diisocyanato-, homopolymer, α-fluoro-ω-(hydroxyethyl)poly(difluoromethylene)- and Me Et ketone oxime- and polyethylene glycol mono-Me ether-blocked		428842-38-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,3-Pentafluoropropane		431-31-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3-Tetrafluoropropanenitrile		431-32-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,3,3-Hexafluoropropane	1,1,1,2,3,3-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	431-63-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2H-Perfluoropropane	1,1,1,2,3,3,3-ﾍﾌﾟﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	431-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluorotrihexylamine		432-08-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-[(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)thio]propanoic acid lithium salt		433333-62-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Iodononafluoro-t-butane		4459-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonyl fluoride		446312-61-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-Methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]-oxetane		449177-94-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3-Tetrafluoropropyl methacrylate		45102-52-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H-Perfluoropropyl methacrylate		45115-53-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, ether with 2,2-dimethyl-1,3-propanediol (2:1), bis(hydrogen sulfate), diammonium salt		452080-67-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1'-Oxybis(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane)		464-36-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-Methyl-3-[[(3,3,4,4,5,5,6,6,6-nonafluorohexyl)oxy]methyl]-oxetane		475678-78-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
((Perfluoro-9-methyldecyl)methyl)oxirane		47795-34-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-, polymer with 2-methyloxirane, polymer with oxirane bis(2methyl2propenoate) and 2-methyloxirane polymer with oxirane mono(2methyl-2-propenoate)		479074-93-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(2-Hydroxyethyl)-perfluoro-1-butanesulfonamide, cmpd. with 2,2'-iminobis[ethanol] (1:1)		484022-20-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
4-(Nonafluorobutoxy)butanesulfonic acid ammonium salt		484023-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Hydroxy-3-[(2-hydroxyethyl)[(nonafluorobutyl)sulfonyl]amino]propanesulfonic acid monoammonium salt		484023-82-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Hydroxy-3-[ethyl[(nonafluorobutyl)sulfonyl]amino]propanesulfonic acid monoammonium salt		484023-83-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutane-1-sulfonamidoethanolate ammonium salt		484024-67-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Et esters		502164-17-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro dimethylethylpentane		50285-18-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoro(3-ethyl-2,3-dimethylpentane)		50285-19-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis((perfluorobutyl)ethyl) 2-[(carboxymethyl)thio]butanedioate lithium salt		503534-33-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Dichloro-1,1,2,2,3-pentafluoropropane	1,3-ｼﾞｸﾛﾛ-1,1,2,2,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-225cb)	507-55-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Silver pentafluoropropionate		509-09-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, esters, 2-methyl-, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with butyl 2-propenoate		50937-96-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propanone, 1,1,1,3,3,3-hexafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		51023-51-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorotetradecanedioic acid dihydrazide		5102-53-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
9-[(4,4,5,5,5-Pentafluoropentyl)sulfanyl]nonan-1-ol		511545-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethoxy-1,1,2,2-tetrafluoroethane		512-51-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoromethyldecalin		51294-16-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Butenedioic acid(Z)-, mono(2,2,3,3-tetrafluoropropyl)ester, sodium salt, polymer with ethenylbenzene		51343-70-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(dibutylmethylamine)		514-03-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(Perfluoro-1-oxononyl)-N-methylglycine sodium salt		51588-53-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], α-(1-carboxy-1,2,2,2-tetrafluoroethyl)-ω-[tetrafluoro(trifluoromethyl)ethoxy]-		51798-33-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(Perfluoro(4-ethyl-3,4-dimethylhex-2-en-2-yl)oxy)benzene-1-sulfonyl chloride		51947-19-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(nonafluorobutyl)phosphinic acid		52299-25-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,4-Pentafluorobutyl methacrylate		52519-51-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), α-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-ω-hydroxy-		52550-44-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Propylperfluorooctane sulfonamidoethanol polyoxyethylene		52550-45-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Sodium 4-{perfluoro[4-ethyl-3,4-dimethylhex-2-en-2-yl]oxy}benzene-1-sulfonate		52584-45-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Perfluorobutyl)ethyl acrylate		52591-27-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Potassium p-(2,2,2-trifluoro-1-(p-hydroxyphenyl)-1-(trifluoromethyl)ethyl)phenolate		52870-69-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluoro-9-methyldecyl)ethyl acrylate		52956-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3-Dichloro-1,1,1,2-tetrafluoropropane		53063-54-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Bis(2-(perfluoro-7-methyloctyl)-1-ethylsulfanyl)propan-2-yl {4-methyl-3-[(2-methylaziridine-1-carbonyl)amino]phenyl}carbamate		53122-42-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,5,7,9,9-Pentachloro-2,2,3,4,4,5,6,6,7,8,8,9-dodecafluorononanoic acid		53281-25-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,5,7,9,11,11-Hexachloro-2,2,3,4,4,5,6,6,7,8,8,9,10,10,11-pentadecafluoroundecanoic acid		53281-37-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trimethyl-3-((perfluorobutylsulphonyl)amino)propylammonium chloride		53518-00-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(Perfluorononyl)-1,2-propanediol-1-phosphate		54009-74-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(1H,1H-Perfluoro-14-methylpentadecyl)oxirane		54009-77-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(1H,1H-Perfluoro-12-methyltridecyl)oxirane		54009-78-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Chlorotrifluoro ethylene, ethylene, hexafluoroisobutylene terpolymer		54302-04-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymer of ethylene/tetrafluoroethylene/3,3,3-trifluoro-2-(trifluoromethyl)-1-propene (a number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, lipid soluble solvent, usual solvent, acid and alkali)		54302-05-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(tetrafluoroethylene-co-vinylidene fluoride-co-propylene)		54675-89-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymer of fluoroethene, perfluoroethene and perfluoropropene		54733-33-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2:2 Fluorotelomer alcohol		54949-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,4-Bis((perfluorohexyl)ethyl) sulphonatosuccinate sodium		54950-05-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroether E-6		55154-18-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1-bromo-1,2,2-trifluoro-, homopolymer		55157-25-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Morpholine, 2,2,3,3,5,5,6,6-octafluoro-4-(pentafluoroethyl)-		55716-11-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,5,5,6,6,7,7,8,8-dodecafluoro-2-methyloctan-2-ol		55793-32-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,2,3,3,4,5,5,6,6,6-Tridecafluoro-4-(trifluoromethyl)-hexane		558-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium N-((heptadecafluorooctyl)sulphonyl)-N-propylglycinate		55910-10-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
[(1,2,3,3,4,4,5,5,6,6,6-Undecafluorohex-1-en-1-yl)oxy]benzene		55937-49-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Octafluorocyclopentene		559-40-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluorobutyryl)-2-thenoylmethane		559-94-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,1-difluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		56357-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,5,5,6,6-Decafluoro-1-(pentafluoroethyl)piperidine		564-11-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), α-(tridecafluorohexyl)-ω-hydroxy-		56467-05-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		57570-64-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium 2,3,4,5-tetrachloro-6-(((3-(((heptadecafluorooctyl)sulphonyl)oxy)phenyl)amino)carbonyl)benzoate		57589-85-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) hydrogen phosphate		57677-95-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(2-(perfluorododecyl)ethyl) hydrogen phosphate		57677-99-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Perfluorohexyl)ethanol dihydrogen phosphate bis(2-hydroxyethyl)amine		57678-02-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
12:2 Fluorotelomer dihydrogen phosphate		57678-07-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzyl(diethylamino)diphenylphosphanium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]benzen-1-olate		577705-90-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, esters, 2-methyl-, 2-ethylhexyl ester, polymer with 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl 2-propenoate and oxiranylmethyl 2-methyl-2-propenoate		58180-21-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]-propanoyl fluoride		58194-00-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-[(Heptadecafluorononen-1-yl)oxy]benzoic acid		58253-65-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,5,5,6,6,7,7,7-Tridecafluoro-N-(2-hydroxyethyl)heptanamide		58301-28-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,5,5,5-Hexafluoro-2-methylpentan-2-ol		58380-92-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2H-Perfluoro-5,8,11,14,17,20,23,26-octamethyl-3,6,9,12,15,18,21,24,27-nonaoxatriacontane		58979-41-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-((Ethyl(pentadecafluoroheptyl)sulfonyl)amino)ethyl acrylate		59071-10-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3,3'-(1,1,1,3,3,3-Hexafluoropropane-2,2-diyl)bis[6-(methoxycarbonyl)benzoic acid]		59301-66-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-[(1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-Heptadecafluorononon-1-en-1-yl)oxy]benzoyl chloride		59432-83-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoro-2-methylbutane		594-91-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-[[[4-[(Heptadecafluorononenyl)oxy]phenyl]sulfonyl]amino]-N,N,N-trimethyl-1-propanaminium, iodide		59493-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-(3-(4-((Heptadecafluorononyl)oxy)-benzamido)propyl)-N,N,N-trimethylammonium iodide		59493-72-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium 4-perfluorohexenyloxybenzenesulfonate		59493-84-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
p-Perfluorononenyloxybenzenesulfonyl chloride		59536-15-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium 4-perfluorononyloxybenzenesulphonate		59536-17-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluorohexadecyl)ethyl 2-methyl-2-propenoate		59778-97-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,19,19,20,22,22,23,23,24,24,24-Nonacosafluoro-5,8,11,14,17,20-hexakis(trifluoromethyl)-3,6,9,12,15,18,21-heptaoxatetracosane		59852-65-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentafluoropropionaldehyde methyl hemiacetal		59872-84-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(2,2,3,3,4,4,5,5,6,6,7,7-Dodecafluoroheptyl)sulfosuccinate sodium salt		60131-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Krytox 143		60164-51-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Potassium perfluoroheptanesulfonate		60270-55-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2,2,3,3,4,4-Hexafluoro-4-iodobutanoyl fluoride		6044-18-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,5-Dichloro-4,5-difluoro-2,2-bis(trifluoromethyl)-1,3-dioxolane		60644-92-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium perfluoroundecanoate		60871-96-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, bromotrifluoro-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		60917-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with bromotrifluoroethene, 1,1-difluoroethene		60918-83-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1-bromo-1,2,2-trifluoroethene, 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		60918-85-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, polymer with bromotrifluoroethene and tetrafluoroethene		60918-86-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Bis[(6H-perfluorohexyl)methoxy]-2-propanol hydrogen sulfate sodium		61119-62-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium perfluoroheptanoate		6130-43-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-Ethylheptadecafluoro-N-(3-(trimethoxysilyl)propyl)octanesulphonamide		61660-12-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-(2-Carboxyethyl)-N,N-dimethyl-3-[[(perfluorohexyl)ethylsulfonyl]amino]propanaminium		61798-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium perfluoro-2-methyl-3-oxahexanoate		62037-80-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
1,1,1,3,3,5,5,5-Octafluoro-2,2,4,4-tetrakis(trifluoromethyl)pentane		62375-54-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(1R,4S)-3-(2,2,3,3,4,4,4-Heptafluoro-1-hydroxybutylidene)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-one		63180-06-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1H,1H,2H,2H-Perfluorotetradecanol sulfate ammonium salt		63225-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,4-Bis(1H,1H,9H-perfluorononyl) sulfobutanedioate sodium		63367-17-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]propane and tetrafluoroethene		63391-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 2,2,3,3,4-pentafluoro-4-oxobutanoate		63425-24-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
P-[[4-[(Heptadecafluorononen-1-yl)oxy]phenyl]methyl]phosphonic acid		63513-12-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymer of hexafluoropropene, perfluoro(ethoxyethene) and tetrafluoroethene		63654-40-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoropropene, 1-((trifluoroethenyl)oxy)heptafluoropropane, tetrafluoroethene polymer		63654-41-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Pentene, 1,1,1,3,4,5,5,5-octafluoro-2,4-bis(trifluoromethyl)-		63703-15-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl perfluoro(3-(1-ethenyloxypropan-2-yloxy)propanoate)		63863-43-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoic acid, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, methyl ester, polymer with tetrafluoroethene		63863-44-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Iodoperfluoropentane		638-79-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(Heptadecafluorooctyl)-1,2,4-trioxolane		63967-43-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1-chloro-1,2,2-trifluoroethene and 1,1,2,2-tetrafluoroethene		64155-70-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Heptadecafluoro-N-(2-(phosphonooxy)ethyl)-N-propyloctanesulphonamide		64264-44-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanesulfonamide, N-(2-aminoethyl)-2-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene		64346-91-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4-Tetrafluoro-2-methylbutan-2-yl 2-methylprop-2-enoate		64375-26-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluorobutyl methacrylate polymer		64376-86-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,8-Dibromo-1,1,2,2-tetrafluoro-Octane		64382-00-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,5,5-Heptafluorotetrahydro-4-(1,1,2,2,3,3,4,4,4-nonafluorobutyl)furan		646-85-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●									●							
1,1,1-trifluoro-2-(trifluoromethyl)pent-4-en-2-ol		646-97-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
7H-Perfluoroheptanal		647-44-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,4,5,5,6,6,6-Heptafluoro-2-iodohexan-1-ol		647-84-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzenesulfonic acid, 4-[(nonadecafluorodecenyl)oxy]-, sodium salt		64910-98-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		65059-79-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,4-Dichloro-alpha,alpha-bis(trifluoromethyl)benzenemethanol		65072-48-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanesulfonic acid, 2-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, potassium salt (1:1), polymer with 1,1,2,2-tetrafluoroethene		65086-49-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanesulfonamide, N-butyl-2-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with tetrafluoroethene		65104-43-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(Perfluorooctadecyl)ethyl 2-propenoate		65104-64-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrahydroperfluoroeicosyl alcohol		65104-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrahydroperfluoroeicosyl methacrylate		65104-66-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrahydroperfluoro-1-octadecanol		65104-67-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,5,8,11,14,17,20,23,26-nonamethyl-3,6,9,12,15,18,21,24,27-nonaoxatriacontan-1-oyl fluoride		65150-88-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrahydroperfluorooctadecyl acrylate		65150-93-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[1,2,2,2-tetrafluoro-1-(fluorocarbonyl)ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		65208-35-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1'-(2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene)bis(3,4-dimethylbenzene)		65294-20-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-[[3,4,4,4-Tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]benzoic acid		65439-50-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-[[2-(trimethylammonio)ethyl]thio]ethyl]-, methyl sulfate		65530-57-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, ester with 2,15-bis(carboxymethyl)-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,2,15,16-tetracarboxylic acid (6:1)		65530-58-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, 2-hydroxy-1,2,3-propanetricarboxylate (3:1)		65530-59-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-		65530-60-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-(phosphonooxy)ethyl)-		65530-61-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.,.alpha.'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[.omega.-fluoro-		65530-62-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanol, 2,2'-iminobis-, compd. with .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]poly(difluoromethylene) (2:1)		65530-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ethanol, 2,2'-iminobis-, compd. with .alpha.,.alpha.'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[.omega.-fluoropoly(difluoromethylene)] (1:1)		65530-64-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-[(1-oxooctadecyl)oxy]ethyl]-		65530-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-		65530-66-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-[2-[(2-carboxyethyl)thio]ethyl]-.omega.-fluoro-, lithium salt (1:1)		65530-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly(difluoromethylene), .alpha.,.alpha.'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[.omega.-fluoro-, ammonium salt		65530-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]-, monoammonium salt		65530-71-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]-, diammonium salt		65530-72-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ethanol, 2,2'-iminobis-, compd. with .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]poly(difluoromethylene) (1:1)		65530-74-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Poly(difluoromethylene), .alpha.-ethenyl-.omega.-fluoro-		65530-75-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), alpha,omega-difluoro-		65530-82-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-[2-[(2-carboxyethyl)thio]ethyl]-.omega.-fluoro-(Zonyl 7950)		65530-83-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly(difluoromethylene), .alpha.-(cyclohexylmethyl)-.omega.-hydro-		65530-85-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, ether with alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene) (1:1)		65545-80-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-(nonafluorobutoxy)propanoyl fluoride		65566-03-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, N-oxide, polymer with alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and alpha-(2-methyl-1-oxo-2-propenyl)-omega-(nonylphenoxy)poly(oxy-1,2-ethanediyl)		65605-53-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, dihydrogen 2-hydroxy-1,2,3-propanetricarboxylate		65605-56-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, hydrogen 2-hydroxy-1,2,3-propanetricarboxylate		65605-57-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene)		65605-58-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamide		65605-59-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide		65605-60-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
65605-62-1 (name too long)		65605-62-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with N,N-dimethyl-2-propenamide, α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and methyl 2-propenoate		65605-65-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, butyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamide		65605-66-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with butyl 2-propenoate, α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamide		65605-68-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, methyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		65605-69-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]-		65605-70-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with α-fluoro-ω-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), N-(hydroxymethyl)-2-propenamide and (2,2,2-trifluoroethoxy)ethene		65605-71-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), N-(hydroxymethyl)-2-propenamide and methyl 2-propenoate		65605-72-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]-, homopolymer		65605-73-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-oxiranylmethyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene)		65605-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
65636-35-3 (name too long)		65636-35-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,5,5,6,6,7,7,7-Undecafluoroheptane-1-sulphonyl chloride		65702-23-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-Hexadecafluoro-2-iodo-10-(trifluoromethyl)undecan-1-ol		65726-35-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorocyclohexanecarbonyl fluoride		6588-63-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(Carboxymethyl)-N,N-dimethyl-3-(methyl((perfluorohexyl)ethylsulfonyl)amino)-1-propanaminium		66008-71-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(2-Carboxyethyl)-N,N-dimethyl-3-[methyl[(perfluorohexyl)ethylsulfonyl]amino]-1-propanaminium		66008-72-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
5-Iodoperfluoro-3-oxapentanesulfonyl fluoride		66137-74-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1-bromo-1,2,2-trifluoro-, telomer with tribromofluoromethane		66143-00-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-[(trifluoroethenyl)oxy]-, methyl ester, homopolymer, hydrolyzed		661476-43-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Dibromohexafluoropropane		661-95-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Dichlorohexafluoropropane	1,2-ｼﾞｸﾛﾛ-1,1,2,3,3,3-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	661-97-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Heptafluorobutyramide		662-50-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-[(Heptadecafluorooctyl)sulfonyl]-N-propylglycine		66551-19-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-(Perfluoroethoxy)perfluoropropane		66840-50-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluorododecyl)ethylene		67103-05-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate		67118-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
Potassium perfluoro(2-(2-propoxypropoxy)propanoate)		67118-57-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Cyclohexanesulfonic acid, decafluoro(pentafluoroethyl)-, potassium salt (1:1)		67584-42-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Potassium N-ethyl-N-((nonafluorobutyl)sulphonyl)glycinate		67584-51-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium N-ethyl-N-((undecafluoropentyl)sulphonyl)glycinate		67584-52-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroheptane sulfonamido amine		67584-54-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-(N-Methylperfluorobutylsulfonamido)ethyl acrylate		67584-55-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-(Methyl((undecafluoropentyl)sulfonyl)amino)ethyl acrylate		67584-56-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3-((Perfluoroheptyl)sulfonylamino)-N,N,N-trimethyl-1-propanaminium iodide		67584-58-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-(N-Methylperfluorobutanesulfonamido)ethyl methacrylate		67584-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-(Methyl((undecafluoropentyl)sulphonyl)amino)ethyl methacrylate		67584-60-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Potassium N-ethyl-N-((pentadecafluoroheptyl)sulphonyl)glycinate		67584-62-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ethyl N-ethyl-N-((nonafluorobutyl)sulfonyl)glycinate		67584-63-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propanol, 1,1,1,3,3,3-hexafluoro-, 2-(4-methylbenzenesulfonate)		67674-48-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Chloro-1,1,2,2,3-pentafluoropropane		677-55-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,2,3-Hexafluoropropane		677-56-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Heptafluoro-2-iodopropane		677-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanoyl fluoride		677-84-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Dichloro-4-iodoperfluorobutane		678-13-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perflenapent		678-26-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluorooctanedioic acid		678-45-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetraethyl 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bisphthalate		67846-42-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
S-(3-(Ethoxycarbonylaminomethyl)-3-(perfluorohexyl)propyl)sulfurothioate sodium		67846-66-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoroglutaryl chloride		678-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H,1H,5H,5H-Perfluoro-1,5-pentanediol diacrylate		678-95-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorohexadecanoic acid	ﾍﾟﾙﾌﾙｵﾛﾍｷｻﾃﾞｶﾝ酸	67905-19-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●								●							
4-[Methyl[(nonafluorobutyl)sulfonyl]amino]butyl methacrylate		67906-39-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(Methyl((undecafluoropentyl)sulphonyl)amino)butyl methacrylate		67906-40-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ammonium perfluorodecanesulfonate		67906-42-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-methyl-, 2-(ethyl((undecafluoropentyl)sulfonyl)amino)ethyl ester		67906-73-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Tetrafluorosuccinyl fluoride		679-13-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Ethyl((nonafluorobutyl)sulphonyl)amino)ethyl methacrylate		67939-33-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-[ethyl[(nonafluorobutyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid		67939-34-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester		67939-36-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-(3-(Dimethylamino)propyl)heptadecafluorooctanesulphonamide monohydrochloride		67939-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-(Ethyl((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulphonyl)amino)ethyl dihydrogen phosphate		67939-89-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(2-(ethyl(nonafluorobutanesulphonyl)amino)ethyl) hydrogen phosphate		67939-91-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bis(2-{ethyl[(perfluoroheptyl)sulfonyl]amino}ethyl) hydrogen phosphate		67939-93-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N,N',N''-(Phosphoryltris(oxyethylene))tris(N-ethyl-perfluoroheptane-1-sulphonamide)		67939-94-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Trimethyl-3-(((nonafluorobutyl)sulphonyl)amino)propyl ammonium iodide		67939-95-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Methyl((pentadecafluoroheptyl)sulphonyl)amino)ethyl methacrylate		67939-96-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ammonium bis(2-(ethyl((pentadecafluoroheptyl)sulphonyl)amino)ethyl) phosphate		67939-97-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Diammonium 2-(ethyl((pentadecafluoroheptyl)sulphonyl)amino)ethyl phosphate		67939-98-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-(3-(Dimethylamino)propyl)perfluoroheptanesulfonamide hydrochloride		67940-02-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid potassium salt		67963-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-ethyl-N-[2-(phosphonooxy)ethyl]perfluorooctanesulfonamide diammonium salt		67969-69-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3-Chloro-1,1,2,2-tetrafluoropropane	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-244)	679-85-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Chloro-1,2,2,3,3-pentafluoropropane		679-99-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,5,6,6,6-Decafluoro-5-(trifluoromethyl)hexanoic acid - ethanamine (1:1)		68015-84-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanaminium perfluoro-9-methyldecanoate		68015-85-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-7-(trifluoromethyl)octanoic acid ethanamine		68015-86-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-13-methyltetradecanoic acid compd. with ethanamine		68052-68-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Methyl((pentadecafluoroheptyl)sulfonyl)amino)ethyl acrylate		68084-62-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroalkyl (C2-C8)ethyl mercaptan		68140-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrahydroperfluoroalkyl (C4-20) mercaptan		68140-19-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium 2,2,3,3,4,4,5,5,6-nonafluoro-1,6- bis(trifluoromethyl)cyclohexane-1-sulfonate		68156-01-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Potassium decafluoro(trifluoromethyl)cyclohexanesulfonate		68156-07-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1,1,2,2,3,3,4,5,5,5-Undecafluoro-4-iodopentane		68158-13-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1-Difluoroethene, hexafluoropropene, 1-((trifluoroethenyl)oxy)heptafluoropropane, tetrafluoroethene polymer		68182-34-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propanesulfonic acid, 2-methyl-, 2-[[1-oxo-3-[(.gamma.-.omega.-perfluoro-C4-16-alkyl)thio]propyl]amino]derivs.., sodium salts		68187-47-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and 1,2,3,3,3-pentafluoro-1-propene		68214-23-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide		68239-43-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(3-(trimethoxysilyl)propyl)heptane-1-sulphonamide		68239-75-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		68258-85-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluorononanesulfonyl fluoride		68259-06-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ammonium perfluoroheptanesulfonate		68259-07-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ammonium perfluoropentanesulfonate		68259-09-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Ammonium perfluorobutanesulfonate		68259-10-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
Ammonium perfluoropentanoate		68259-11-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorononanesulfonic acid		68259-12-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-Pentadecafluoro-N-methyl-1-heptanesulfonamide		68259-14-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]ami		68259-39-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-(ethyl((undecafluoropentyl)sulfonyl)amino)ethyl ester		68298-06-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-(Phenylmethyl)perfluorobutanesulfonamide		68298-07-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-{[(Perfluorooctyl)sulfonyl]{3-[(2-hydroxyethyl)(dimethyl)azaniumyl]propyl}amino)-1-propanesulfonate		68298-11-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-(Methyl)nonafluorobutanesulfonamide		68298-12-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Undecafluoro-N-methyl-1-pentanesulfonamide		68298-13-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-(Butyl((pentadecafluoroheptyl)sulphonyl)amino)ethyl acrylate		68298-60-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
68298-62-4 (name too long)		68298-62-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(nonafluorobutyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68298-79-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(perfluoropentyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68298-80-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
alpha-(2-(Ethyl((pentadecafluoroheptyl)sulfonyl)amino)ethyl)-omega-hydroxy poly(oxy-1,2-ethanediyl)		68298-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Sodium 2-((nonafluorobutylsulfonylamino)methyl)benzenesulfonate		68299-19-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroeicosanoic acid		68310-12-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(perfluoropentyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68310-17-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(nonafluorobutyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68310-18-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-((Perfluorooctylsulphonyl)amino)-N,N,N-trimethylpropanaminium iodide		68310-75-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Hexafluoroacetone		684-16-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●															●	
1,4-Benzenedicarboxylic acid, esters, dimethyl ester, reaction products with bis(2-hydroxyethyl) terephthalate, ethylene glycol, .alpha.-fluoro-.omega.-(2-hydroxyethyl)poly(difluoromethylene), hexakis(methoxymethyl)melamine and polyethylene glycol		68515-62-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzenesulfonyl chloride, 4-(1,1,2,2-tetrafluoroethoxy)-		68516-54-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,4,5-Tetrachloro-6-[3-(perfluoroheptyl)sulfonyloxyphenylamino]carbonylbenzoate potassium		68541-01-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Potassium 2,3,4,5-tetrachloro-6-(((3-(((undecafluoropentyl)sulphonyl)oxy)phenyl)amino)carbonyl)benzoate		68541-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Sodium perfluoroheptanesulfinate		68555-66-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium perfluorooctanesulfinate		68555-67-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium N-ethyl-N-((nonafluorobutyl)sulphonyl)glycinate		68555-68-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Ethylundecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide		68555-72-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-Ethyl-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide		68555-73-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Undecafluoro-N-(2-hydroxyethyl)-N-methyl-1-pentanesulfonamide		68555-74-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Pentadecafluoro-N-(2-hydroxyethyl)-N-methyl-1-heptanesulfonamide		68555-76-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine		68555-77-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropentane sulfonamido amine		68555-78-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Trimethyl-3-(((pentadecafluoroheptyl)sulphonyl)amino)propylammonium chloride		68555-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Hexafluoro-1,3-butadiene		685-63-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium 6-(((3-(perfluorobutylsulphonyloxy)phenyl)amino)carbonyl)perchlorobenzoate		68568-54-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluorododecyl)ethylsulfonyl chloride		68758-57-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Acetic acid, [1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]difluoro-, potassium salt, polymer with tetrafluoroethene		68805-70-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-Bromo-(1,1,2,2-tetrafluoroethoxy)benzene		68834-05-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), .alpha.-[1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl]-.omega.-[[1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl]oxy]-		68877-38-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), .alpha.-[1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl]-.omega.-methoxy-		68877-51-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethene, tetrafluoro-, homopolymer, .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, citrate, reaction products with 1,6-diisocyanatohexane		68891-05-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Diaquatetrachloro[mu-[N-ethyl-N-[(perfluorooctyl)sulfonyl]glycinato-O1:O1']]-mu-hydroxybis[2-methylpropanol]dichromium		68891-96-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Diaquatetrachloro(mu-(N-ethyl-N-((pentadecafluoroheptyl)sulfonyl)glycinato-O1:O1'))-mu-hydroxybis(2-propanol) chromium		68891-97-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Diaquatetrachloro(mu-(N-ethyl-N-((perfluoropentyl)sulfonyl)glycinato-O1:O1'))-mu-hydroxybis(2-propanol)dichromium		68891-99-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Diaquatetrachloro(mu-(N-ethyl-N-((perfluorobutyl)sulfonyl)glycinato-O1:O1'))-mu-hydroxybis(2-propanol)dichromium		68900-97-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Ethyl-N-[(nonafluorobutyl)sulfonyl]glycine		68957-33-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-((Perfluoropentylsulfonyl)amino)-N,N,N-trimethylpropanaminium chloride		68957-55-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Trimethyl-3-(((undecafluoropentyl)sulphonyl)amino)propylammonium iodide		68957-57-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-(3-(Dimethylamino)propyl)-1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonamide monohydrochlorid		68957-59-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-[3-(dimethylamino)propyl]-perfluoropentanesulfonamide hydrochloride		68957-60-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
N-Ethylpentadecafluoro-1-heptanesulfonamide		68957-62-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(perfluoroheptyl)sulfonyl]amino]ethyl]-.omega.-methoxy-		68958-60-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl]-.omega.-methoxy-		68958-61-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Benzenemethanaminium, N-(carboxymethyl)-4-[(heptadecafluorononenyl)oxy]-N,N-dimethyl-, inner salt		68972-29-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-Methyl-4-((4,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl)oxy)-N-(2-(phosphonooxy)ethyl)-Benzenesulfonamide		69013-34-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,3,3,3-Hexafluoropropane	1,1,1,3,3,3-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	690-39-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Propanoic acid, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, sodium salt, polymer with tetrafluoroethene		69068-23-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-3-{[1-(ethenyloxy)propan-2-yl]oxy}propanoic acid		69087-46-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoic acid, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, polymer with		69087-47-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorononane sulfonamido ammonium iodide		69091-20-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl perfluoro-3-[(perfluoro-3-oxopropan-2-yl)oxy]propanoate		69116-72-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl perfluoro(8-(fluoroformyl)-5-methyl-4,7-dioxanonanoate)		69116-73-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-(6H-Perfluorohexyl)-1-(fluoren-2-yl)-N-(perfluorobutyl)sulfonyloxymethanimine		691358-66-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fatty acids, C7-13, perfluoro, compds. with ethylamine		69278-80-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-[(trifluorothenyl)oxy]-, sodium salt, polymer with tetrafluoroethene		69531-49-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2-Bis[4-(4-nitrophenoxy)phenyl]hexafluoropropane		69563-87-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,4'-[[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]bis(4,1-phenyleneoxy)]bis-benzenamine		69563-88-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetrafluoroethane beta-sultone		697-18-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,5,6,6,8,9,9-Decafluoro-5-(trifluoromethyl)-4,7-dioxa-8-nonenamide		69804-18-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(3-(1-(ethenyloxy)propan-2-yloxy)propanenitrile)		69804-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-[(trifluoroethenyl)oxy]-		69818-05-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorosuccinic anhydride		699-30-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Vinyloxyperfluoropropane		6996-01-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd.		69991-61-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced		69991-62-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolymethylisopropyl ether		69991-67-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-[Difluoro(trifluoromethoxy)methoxy]-1,2,2-trifluoroethene		700874-87-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(2-hydroxyethyl)ammonium perfluorooctanesulfonic acid		70225-14-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●						●						●	●		
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate		70225-15-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate		70225-17-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate		70225-18-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(trimethyl-3-(((pentadecafluoroheptyl)sulphonyl)amino) propylammonium) sulphate		70225-20-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Bis(trimethyl-3-(((nonafluorobutyl)sulphonyl)amino)propyl ammonium)sulphate		70225-22-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,5,5-Hexafluorooxolan-2-one		702-35-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate		70281-93-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Cyclotetrasiloxane, 2,4,6,8-tetramethyl-, Si-mixed 3-(2-oxiranylmethoxy)propyl and 3-[2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1, 2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]propyl and 2-(trimethoxysilyl)ethyl derivs.		705291-24-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Dimethyl{3-[(perfluorodecanoyl)amino]propyl}ammonio)acetate		70674-74-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Dichlorohexafluorocyclopentene		706-79-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoro(4-[(4-ethyl-3,4-dimethylhex-2-en-2-yl)oxy])benzene-1-sulfonate tributylammonium		70729-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Acetic acid, [1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]difluoro-, polymer with tetrafluoroethene		70776-76-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoic acid, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, potassium salt, polymer with tetrafluoroethene		70788-53-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanesulfinic acid, 2-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with tetrafluoroethene		70815-05-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propan-2-yl heptadecafluorononanoate		70910-41-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-[2-(acetyloxy)-2-[(carboxymethyl)dimethylammonio]ethyl]-.omega.-fluoro-, hydroxide, inner salt		71002-41-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2,2,5,5-tetramethylhexane		71076-47-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-[(1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-Heptadecafluorononon-1-en-1-yl)oxy]benzene-1-sulfonic acid		71212-45-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-iodoethyl)-		71215-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Furan, 2,2,3,3,4,4-hexafluorotetrahydro-5-(2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl)-		71302-72-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(7-methyl-1-octanesulfonic acid)		71500-44-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Benzenedicarboxylic acid, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, diethyl ester		71550-47-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
6,11,14,17-Tetraoxa-7-silaeicos-1-yn-3-ol, 7,7-dibutyl-13,15,15,16,18,18,19,20,20,20-undecafluoro-3-methyl-13,16-bis(trifluoromethyl)-		717825-76-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanenitrile, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		71832-66-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
alpha,alpha-Bis(trifluoromethyl)benzyl alcohol		718-64-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, N-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]carbamates		721399-20-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-[Methyl[(perfluorododecyl)ethylsulfonyl]amino]ethyl 2-propenoate		72276-06-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-[Methyl[(perfluorotetradecyl)ethylsulfonyl]amino]ethyl 2-propenoate		72276-07-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-[Methyl[(perfluorohexadecyl)ethylsulfonyl]amino]ethyl 2-propenoate		72276-08-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(2,4-Di-tert-pentylphenoxy)-3'-hydroxy-4'-[(5H-perfluorovaleryl)amino]hexananilide		72494-14-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,5,5-Octafluorooctyl pentanoate		72828-80-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Butenedioic acid, mono(2,2,3,3-tetrafluoropropyl) ester, sodium salt, polymer with ethenylbenzene and disodium 2-butenedioate		72845-29-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
72869-27-3 (name too long)		72869-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Butanedioic acid, 2-sulfo-, 1,4-bis(mixed 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl and 2,2,3,3,4,4,5,5-octafluoropentyl) esters, sodium salts		72905-91-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-3,6-dimethyl-1,4-dioxan-2-one		7309-84-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorooctane sulfonamido ammonium bromide		73149-44-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2-Carboxyethyl)-3-(((perfluoro-7-methyloctyl)2-hydroxypropyl)amino)propyldimethylammonium hydroxide		73353-25-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-Fluoro-5-oxo-2,4-bis(trifluoromethyl)-1,3-Dioxolane-2-carbonyl fluoride		7345-49-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,4,5-Trifluoro-2,5-bis(trifluoromethyl)-1,3-Dioxolane-2-carbonyl fluoride		7385-65-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene		74398-72-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Phosphoric acid, .gamma.-.omega.-perfluoro-C8-16-alkyl esters, compds. with diethanolamine		74499-44-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propane, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]-, polymer with 1,1-difluoroethene and tetrafluoroethene		74499-68-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene, 1,1,2,2-tetrafluoroethene and 3-(1,1,2,2-tetrafluoroethoxy)-1-propene		74499-69-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 3-(1,1,2,2-tetrafluoroethoxy)-, polymer with ethene and 1,1,2,2-tetrafluoroethene		74499-70-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]propane and tetrafluoroethene		74499-71-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,3,3,3-Heptafluoropropan-2-yl 2-methylprop-2-enoate		7459-59-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-[[(3,5-dimethyl-1H-pyrazol-1-yl)carbonyl]amino]ethyl ester, polymer with chloroethene, octadecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate		746622-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
BIS-AF-Sodium salt		74938-83-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propanesulfonic acid, 3-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]-, sodium salt		75032-81-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(1H,1H,7H-perfluoroheptyl)-2-sulfohexadecanoate sodium salt		75032-94-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
L-Glutamic acid, N-[(heptadecafluorooctyl)sulfonyl]-, disodium salt		75032-95-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
{[(Perfluorooctyl)sulfonyl]amino}-3-betaine		75046-16-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Undecafluoroiodopentane		75330-20-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, ether with 2,2-dimethyl-1,3-propanediol (2:1)		753501-40-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane		753501-43-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoropropene		754-12-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1-[difluoro(1,1,2,2,2-pentafluoroethoxy)methoxy]-1,2,2-trifluoro-, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		754191-93-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Heptafluoropropyl iodide		754-34-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,4,6,8,9-Pentachloro-2,3,3,4,5,5,6,7,7,8,9,9-dodecafluorononanoic acid		754-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorooctanesulfonamide		754-91-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
5-Chloro-1,1,2,2,3,3,4,4-octafluoropentane		755-21-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 2,2,3,3-tetrafluoro-3-methoxypropionate		755-73-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Flupropanate		756-09-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,3,4,4,4-Heptafluoro-3-(trifluoromethyl)butan-2-one		756-12-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2-methyl-3-pentanone		756-13-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzyltriphenylphosphanium 4-[1,1,1,3,3,3- hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]benzen-1-olate		75768-65-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[1,2,2,2-tetrafluoro-1-[[(2-hydroxyethyl)amino]carbonyl]ethyl]-.omega.-		75888-49-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ｼﾞｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(CFC114)	76-14-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Chloropentafluoroethane	ｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛｴﾀﾝ	76-15-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroethane		76-16-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,2,3-Trichloropentafluoropropane	1,2,3-ﾄﾘｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名ﾌﾛﾝ215)	76-17-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perflutren		76-19-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
9-H-Perfluorononanoic acid		76-21-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3-Tetrafluoro-1-propanol		76-37-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3-Tetrafluorooxetane		765-63-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(oxacyclopentane)		773-14-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorotetrakis(carboxyethoxymethyl)methane tetramethyl ester		773148-75-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,4,4-Trifluoro-3-(trifluoromethyl)-1,2lambda~6~-oxathietane-2,2-dione		773-15-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 7,7,8,9,9,9-hexafluorononanoate		77456-15-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(Chlorosulfonyl)-2,2,3,3-tetrafluoropropanoyl chloride		77545-04-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3-Tetrafluoro-3-(fluorosulfonyl)propanoyl fluoride		77545-05-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(3-{[1-(ethenyloxy)propan-2-yl]oxy}propane-1-sulfonyl) fluoride		77545-07-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2-Tetrafluoro-2-iodoethyl sulfurofluoridate		77570-00-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl 2,2,3,3-tetrafluoro-3-(methylsulfanyl)propanoate		77705-91-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3-Tetrafluoro-3-(methylsulfanyl)propanoyl fluoride		77705-93-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(Methylsulfanyl)-perfluoro(1-(ethenyloxy))propane		77706-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
[{3-[(Perfluorononanoyl)amino]propyl}(dimethyl)ammonio]acetate		77958-18-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2,3,3,4,4-Octafluoro-4-iodobutyl sulfurofluoridate		78522-70-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trichloro(1,1,2,2,3,3,6,6,6-nonafluorohexyl)silane		78560-47-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(2-(perfluoro-7-methyloctyl)ethyl) hydrogen phosphate		78974-41-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
8:2 Fluorotelomer 9-(trifluoromethyl)-dihydrogen phosphate		78974-42-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene),alpha-chloro-omega-(2,2-dichloro-1,1,2-trifluoroethyl)-		79070-11-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), alpha-fluoro-omega-[2-sulphoethyl)-		80010-37-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Difluoro(1,1,2,2-tetrafluoro-2-iodoethoxy)acetyl fluoride		80016-48-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,4,5,5,6,6,7,7,7-Nonafluoro-2-iodoheptan-1-ol		80233-96-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Benzenedimethanol, .alpha.1,.alpha.1,.alpha.3,.alpha.3-tetrakis(trifluoromethyl)-		802-93-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-Pentacosafluoro-2-iodopentadecan-1-ol		80459-24-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(4-ethyl-3,4-dimethylhexane)		80632-82-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Dioxolane, 2-(difluoromethylene)-4,4,5-trifluoro-5-(trifluoromethyl)-, polymer with 1,1-difluoroethene		80879-54-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(2,2,3,3,4,4,5,5,5-Nonafluoropentyl)oxirane		81190-28-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2-Tetrafluoroethane	1,1,1,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	811-97-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1,2,2,3,3,4,4,4-Nonafluoro-N-(4-hydroxybutyl)-N-methylbutane-1-sulphonamide		812-94-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,3,3,4,4,5,5,6,6,7,8,8-Tetradecafluoroocta-1,7-diene		812-97-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-Pentacosafluorotetradecan-1-amine		81313-57-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(perfluoroisopropyl)ketone		813-44-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,4,4,5,5,6,6,6-Undecafluoro-2-(trifluoromethyl)-3-hexanone		813-45-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-[Methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, polymer with 1,1-dichloroethene and octadecyl 2-methyl-2-propenoate		819069-74-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl(C4-C14)carbonyl aminopropyl trimethyl ammonium iodide		82030-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N,N-Dimethyl-N-(perfluoroalkyl(C4-14)carbonylaminopropyl)-.alpha.-acetic acid betaine		82030-83-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Surflon S 141 (perfluoroalkylamine oxide)		82030-84-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl(C4-14)carbonyl aminomethoxy polyethylene oxide		82030-85-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium 2-(((perfluorohexyl)ethyloxy)carbonylamino) ethylsulfanylsulfonate		82199-07-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-(Perfluorohexyl)-1-ethanol 1-(hydrogen sulfate)		82711-15-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1,2,2,3,3-hexafluoropropane-1,3-disulfonyldifluoride		82727-16-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(1,1,2,2-Tetrafluoroethoxy)-benzenamine		831-75-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2-Bis(3-amino-4-hydroxyphenyl)-hexafluoropropane		83558-87-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), ?-[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]-?-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(triSfluoromethyl)-1-butenyl]oxy]-		83563-58-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2E)-4,5,5,5-Tetrafluoro-4-(trifluoromethyl)pent-2-en-1-ol		83706-95-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2E)-4,4,5,5,6,6,7,7,7-Nonafluorohept-2-en-1-ol		83706-96-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2Z)-4,5,5,5-Tetrafluoro-4-(trifluoromethyl)pent-2-en-1-ol		83706-99-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1,2-ethanediyl), ?-methyl-?-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]oxy]-		83731-88-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium 2,2,3,3-tetrafluoro-3-(heptafluoropropoxy)propionate		84100-11-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, 5-(trifluoromethyl)-2-pyridinyl ethers		844491-91-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(4-Amino-2-hydroxyphenyl)-2,2,3,3,4,4,4-heptafluorobutyramide		847-51-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Heptane, 1,1,1,2,3,3,4,5,5,6,7,7,7-tridecafluoro-2,4,6-tris(trifluoromethyl)-		84808-63-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1,1,2,3,3,3-heptafluoro-2-(trifluoroethenyl)oxypropane and tetrafluoroethene		85177-88-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium perfluorododecanesulfonate		85187-17-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-[[4-[(Heptadecafluorononenyl)oxy]phenyl]sulfonyl]-N-methylglycine sodium salt		85228-95-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium 4-{[(4E)-4,6-dimethylhept-4-en-3-yl]oxy}benzene-1-sulfonate		85284-15-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium 4-(perfluoro(2-methylpent-2-en-3-yl)oxy)benzene-1-sulfonate		85284-17-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-[3-(Methylamino)propyl]perfluorohexanesulfonamide		85520-91-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2H-Perfluoroethoxy)methyloxirane		85567-21-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanesulfonic acid, 2-[1-[difluoro[(trifluoroethenyl)oxymethyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, sodium salt polymer with tetrafluoroethene		85600-80-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(3-(((Heptadecafluorooctyl)sulphonyl)amino)propyl)trimethylammonium hydroxide		85665-67-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro(2-bromoethoxy)ethene		85737-06-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
((Perfluorobutyl)ethyl)trimethoxysilane		85877-79-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propane, 1-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluo ropropoxy)-, polymer with 1,1,2,2-tetrafluoroethene		86414-61-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexaflumuron		86479-06-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 2-methyloxirane, 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, oxirane and tetrahydrofuran		864910-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,2,3,4,4,5,5,5-Undecafluoro-3-(trifluoromethyl)pentane		865-71-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroisononyl iodide		865-77-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,2,3,3,5,6,6,6-Undecafluoro-4,4,5-tris(trifluoromethyl)hexane		86714-23-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,4-bis(3-Chloro-2-hydroxypropyl) 2,5-bis[2-[[(perfluorooctyl)sulfonyl]propylamino]ethyl] 1,2,4,5-benzenetetracarboxylate		86960-56-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propane, 1-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2,3,3,3-heptafluoro-, polymer with (2-bromo-1,1,2, 2-tetrafluoroethoxy)trifluoroethene and 1,1-difluoroethene		86999-93-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,3,3,4,4,5,5,6-Nonafluoro-1-(heptafluoropropyl)-6-(trifluoromethyl)piperidine		87042-39-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1,2,3,3-Hexafluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)pentane		870778-34-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,2-dichloro(perfluoro-1-(methoxymethoxy)ethane)		874288-98-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1-[difluoro(trifluoromethoxy)methoxy]-1,2,2-trifluoro-, polymer with 1,1,2,2-tetrafluoroethene		874288-99-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1,2,2-tetrafluoroethene, 1,1,2-trifluoro-2-(1,1,2,2,2-pentafluoroethoxy)ethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		878545-84-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, di-Me, Me 3,3,4,4,5,5,6,6,6-nonafluorohexyl-		882878-48-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(3-chloro-2,2,3,3-tetrafluoropropionyl) peroxide		88505-66-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Carbonic dichloride, reaction products with reduced ammonia-Me esters of reduced polymd. oxidized tetrafluoroethylene reaction product		88645-28-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced		88645-29-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
26,27,27,27-Tetrafluoro-25-(1,1,1,2,3,3,3-heptafluoro-2-propanyl)-24,26-bis(trifluoromethyl)-2,5,8,11,14,17,20,23-octaoxaheptacos-24-ene		88987-13-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Undecafluoropentyl 2-methylprop-2-enoate		89004-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Difluoro(1,1,2,2-tetrafluoroethoxy)acetyl fluoride		89076-47-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane		89461-13-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, 1-chloro-1,2,2-trifluoro-, homopolymer		9002-83-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Polytetrafluoroethylene		9002-84-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1-Difluorethylene-hexafluorpropene polymer		9011-17-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Copolymer of 2,2,3,3,3-pentafluoropropyl methacrylate/methyl methacrylate/methacrylic acid (The contents of component having molecular weight less than 1,000 is not more than 1 percent)		90267-56-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl acrylate-, copolymer		90451-86-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoro(2-ethoxy-2-fluoroethoxy)acetic acid ammonium salt		908020-52-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 1,1'-[2,2-bis[difluoro[1,1,2,2-tetrafluoro-3-[(1-oxo-2-propen-1-yl)oxy]propoxy]methyl]-1,1,3,3-tetrafluoro-1,3-propanediyl]bis[oxy(2,2,3,3-tetrafluoro-3,1-		912841-29-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,4,6-Tris(heptafluoropropyl)-1,3,5-triazine		915-76-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Propene, 1,1,2,3,3-pentafluoro-3-(1,1,2,2,3,3,3-heptafluoropropoxy)-		91891-42-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4,8-Dioxa-3H-perfluorononanoic acid		919005-14-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2H-Perfluoro-2-propanol		920-66-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-ethoxyethyl 2-propenoate, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl-2-propenoate and oxiranylmethyl 2-methyl-2-propenoate		92265-81-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Phosphoric acid, bis(gamma-mu-perfluoro-C8-14-alkyl) esters, compds. with diethanolamine		92332-25-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Phosphoric acid, mono(gamma-mu-perfluoro-C8-14-alkyl) esters, compds. with diethanolamine		92332-26-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorocyclopropane		931-91-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2-methyl-2-(pentyloxy)pentane		93200-92-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymer of tetrafluoroethylene/hexafluoropropene/nonafluorobutyl trifluorovinyl ether (a number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, lipid soluble solvent, usual solvent, acid and alkali)		93611-23-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-2-(trifluoromethyl)propanesulfonic acid		93762-09-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium 1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)propanesulfonate		93762-10-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium bis(2-(perfluorododecyl)ethyl) phosphate		93776-22-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis((perfluoro-13-methyltetradecyl)ethyl) hydrogen phosphate		93776-29-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(2-Carboxylatoethyl)-3-((perfluoro-9-methyldecyl)-2-hydroxypropyl)aminopropyldimethylammonium		93777-12-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium bis((perfluorotetradecyl)ethyl) phosphate		93777-13-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethenyl benzoate polymer with 2-butenoic acid, ethenyl 2,2-dimethylpropanoate, 4-(ethenyloxy)-1-butanol, 2-methyl-1-propene and 1,1,2,2-tetrafluoroethene, dihydrogen 1,2,4-benzenetricarboxylate, compd. with N,N-diethylethanamine		938155-33-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluoro-13-methyltetradecyl)ethyl dihydrogen phosphate		93857-42-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
12:2 Fluorotelomer dihydrogen phosphate (ester), diammonium salt		93857-46-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
14:2 Fluorotelomer dihydrogen phosphate diammonium salt		93857-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
16:2 Fluorotelomer phosphate		93857-48-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Diammonium (perfluoro-7-methyloctyl)ethyl phosphate		93857-49-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Diammonium (perfluoro-9-methyldecyl)ethyl phosphate		93857-50-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis((perfluorotetradecyl)ethyl) hydrogen phosphate		93857-53-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis((perfluorohexadecyl)ethyl) hydrogen phosphate		93857-54-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis((perfluoro-9-methyldecyl)ethyl) phosphate		93857-55-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis((perfluoro-11-methyldodecyl)ethyl) hydrogen phosphate		93857-56-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Isooctanesulfonamide, heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-		93894-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Isooctanesulfonamide, heptadecafluoro-N,N-bis(2-hydroxyethyl)-		93894-66-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Isooctanesulfonic acid, heptadecafluoro-, lithium salt		93894-67-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Isooctanesulfonic acid, heptadecafluoro-, potassium salt		93894-68-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetradecanoic acid, 1,1'-(methyl(3,3,4,4,5,5,6,6,6-nonafluorohexyl)silylene) ester		94094-26-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium 3-[[3-(dimethylamino)propyl][(perfluorooctyl)sulfonyl]amino]-2-hydroxypropanesulfonate		94133-90-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3-((Perfluorooctylsulfonyl)-2-hydroxy-3-sulfopropylamino)-N-(2-hydroxyethyl)-N,N-dimethyl-1-propanaminium monosodium hydroxide		94133-91-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
((Perfluorododecyl)methyl)oxirane		94158-66-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
((Perfluorotetradecyl)methyl)oxirane		94158-67-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
((Perfluorohexadecyl)methyl)oxirane		94158-68-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluorooctyl)-2-hydroxypropyl dihydrogen phosphate		94158-69-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-(Perfluorohexadecyl)-2-hydroxypropyl dihydrogen phosphate		94200-44-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Diammonium 3-(perfluorohexadecyl)-2-hydroxypropyl dihydrogen phosphate		94200-49-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Diammonium 3-(perfluoro-15-methylhexadecyl)-2-hydroxypropyl dihydrogen phosphate		94200-53-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
14:2 Fluorotelomer dihydrogen phosphate		94200-54-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
16:2 Fluorotelomer dihydrogen phosphate		94200-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Perfluoro-9-methyldecyl)ethyl dihydrogen phosphate		94200-56-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
((Perfluoro-11-methyldodecyl)ethyl) dihydrogen phosphate		94200-57-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(1-pentene-2,3,3,4,4,5,5-heptafluoro-co-ethene-co-tetrafluoroethene)		94228-79-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
(Z)-Octadec-9-enyl (5-(((2-(((perfluorooctyl)sulphonyl)methylamino)ethoxy)carbonyl)amino)-o-tolyl)carbamate		94313-84-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Silsesquioxanes, 3-aminopropyl 3,3,4,4,5,5,6,6,6-nonafluorohexyl, hydroxy-terminated acetates		943344-69-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]-, ammonium salt		95144-12-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with chlorotrifluoroethene, 1,1-difluoroethene and tetrafluoroethene		95325-75-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Methoxyperfluoro(2,5-di(propan-2-yl)oxolane)		957209-18-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methyl perfluoro-3-(3-methoxypropoxy)-3H-propanoate		958445-54-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,3-Benzenedicarboxylic acid, 5-[(heptadecafluorononenyl)oxy]-		96210-37-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propyl 2-fluoroprop-2-enoate		96250-49-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
.alpha.-[2-Hydroxy-3-[.alpha.-perfluoroisopropylpoly(degree of polymerization 7-15)(difluoromethylene)]propyl]-.omega.-methoxy-poly(degree of polymerization 1-25)(oxyethylene)		96353-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Calcium perfluoroundecanoate		97163-17-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
5-{[1,1,1,4,5,5,5-Heptafluoro-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-4-(trifluoromethyl)pent-2-en-2-yl]oxy}benzene-1,3-dicarboxylic acid		97220-62-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Thiocyanic acid, .gamma.-.omega.-perfluoro-C4-20-alkyl esters		97553-95-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alkenes, C8-14 alpha-,delta-omega-perfluoro-		97659-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(1H,1H,6H-perfluorohexyl)-2-sulfobutanedioate sodium salt		98151-22-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Butanol, 4-(ethenyloxy)-, polymer with 1-chloro-1,2,2-trifluoroethene and ethoxyethene		98728-78-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sodium Perfluorononanesulfonate		98789-57-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sulfonamides, C7-8-alkane, perfluoro, N-methyl-N-[2-[(1-oxo-2-propenyl)oxy]ethyl], polymers with 2-ethoxyethyl acrylate, glycidyl methacrylate and N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethanaminium chloride		98999-57-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Propyl perfluorononanoate		99156-01-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
AFMU		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PVF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FKM		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FVMQ		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FEPM		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FFKM		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FMQ		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FZ		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
ETFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PCTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
PFA		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PFEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PVDF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FAA		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PTFE-Fibre		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
POM+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PI+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAI+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA6T/XT+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA66+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PVDFX		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
ETFEX		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
LCP+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PTFE+LCP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FMACP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA6+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PTFE+PA6		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA612+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PTFE+PA612		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PTFE+PA		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PBT+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PTFE+PBT		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PET+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PTFE+PET		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PCT+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PTFE+PCT		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FPAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
MF+PAI+PAK+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FEP+MF+PAI+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAK+FEP+MF+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

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PAI+PAK+FEP+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAI+MF+PAK+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FEP+PAI+MF+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAK+FEP+PAI+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
MF+PAK+FEP+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
MF+PAK+PAI+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FEP+MF+PAK+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAI+FEP+MF+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAK+PAI+FEP+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
MF+PAI+FEP+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAK+MF+PAI+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FEP+PAK+MF+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAI+FEP+PAK+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAK+PAI+MF+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FEP+PAK+PAI+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
MF+FEP+PAK+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FEP+PAI+PAK+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
MF+FEP+PAI+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAK+MF+FEP+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PAI+PAK+MF+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PE+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
ECTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA12-I+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA10T/X+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA12+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA6+PA66+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA6+PA66-I+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA6T/66+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA6T/66-I+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA10T/X-I+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PA66+PA6+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PPS+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fluorosiloxane resin		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PMMA-F		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PE-F		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PC+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
FFKO		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
PEI+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,1-Trifluoroethane 1-Iodo-3,5-bis(trifluoromethyl)benzene	1,1,1-ﾄﾘﾌﾙｵﾛｴﾀﾝ	420-46-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-		102687-65-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1H-Indene, 5-[4'-[difluoro(3,4,5-trifluorophenoxy)methyl]-2,3',5'-trifluoro[1,1'-biphenyl]-4-yl]-2,3-dihydro-2-propyl-		1357385-67-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,2-Trifluoroethanol		75-89-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2,2-Trifluoroethyl acrylate		407-47-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,2-Dichloro-1,1,1-trifluoroethane	2,2-ｼﾞｸﾛﾛ-1,1,1-ﾄﾘﾌﾙｵﾛｴﾀﾝ(HCFC-123)	306-83-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2,4,6,8-Tetramethyl-2,4,6,8-tetrakis(3,3,3-trifluoropropyl)cyclotetrasiloxane		429-67-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,4,6-Trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)cyclotrisiloxane		2374-14-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Ethoxyethyl 2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy)propionate		87237-48-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Naphthalenecarboxamide, N,N'-(2,5-dichloro-1,4-phenylene)bis(4-((2-chloro-5-(trifluoromethyl)phenyl)azo)-3-hydroxy-		52238-92-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2,2,2-trifluoroethyl ester, homopolymer		54802-79-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymers with N-(butoxymethyl)-2-methyl-2-propenamide, N-(hydroxymethyl)-2-methyl-2-propenamide, .delta.-.omega.-perfluoro-C8-14-alkyl acrylate and stearyl acrylate		628723-87-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester 2-Propenoic acid, hexafluorobutyl ester		139322-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-[difluoro(3,4,5-trifluorophenoxy)methyl]-1,3-difluoro-5-[2-fluoro-4-(4-propylphenyl)phenyl]benzene		303186-36-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3-Pyridinecarbonitrile, 4-methyl-2,6-bis((4-methylphenyl)amino)-5-((2-(trifluoromethyl)phenyl)azo)-		669005-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-(difluoro(3,4,5-trifluorophenoxy)methyl)-3,5-difluoro-4'-propyl-1,1'-biphenyl		303186-20-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
4-Chloro-alpha,alpha,alpha-trifluorotoluene	#N/A	98-56-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●															●	
Benzamide, 3,3'-((2-chloro-5-methyl-1,4-phenylene)bis(imino(1-acetyl-2-oxo-2,1-ethanediyl)azo))bis(4-chloro-N-(2-(4-chlorophenoxy)-5-(trifluoromethyl)phenyl)-		57971-97-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzamide, 3,3'-((2-chloro-5-methyl-1,4-phenylene)bis(imino(1-acetyl-2-oxo-2,1-ethanediyl)azo))bis(4-chloro-N-(2-(4-chlorophenoxy)-5-(trifluoromethyl)phenyl)-		79953-85-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzene, 1,3-bis(trifluoromethyl)-		402-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Benzene, 1-[(trans,trans)-4'-propyl[1,1'-bicyclohexyl]-4-yl]-4-(trifluoromethoxy)-		133937-72-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Bis(1,1,1,5,5,5-Hexafluoropentane-2,4-Dionato-O,O')Nickel	ﾋﾞｽ(1,1,1,5,5, 5-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ-2,4-ｼﾞｵﾄ-O,O') ﾆｯｹﾙ	14949-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●			●													
Chloro-1,1,1-trifluoroethane	ｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ(別名HCFC-133)	75-88-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Cyclotetrasiloxane, 2-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoroundecyl)-2,4,6,8-tetramethyl- (9CI)		193425-63-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethene, chlorotrifluoro-, polymer with 1,1-difluoroethene		9010-75-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Lithium trifluoromethanesulphonate		33454-82-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methanesulfonamide, 1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl)-, lithium salt		90076-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methanesulfonic acid, 1,1,1-trifluoro-, calcium salt (2:1)		55120-75-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Methanesulfonic acid, trifluoro-, compd. with N,N-dioctyl-1-octanamine (1:1)		82052-13-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
N-(2,3-Dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxo-2-[[2-(trifluoromethyl)phenyl]azo]butyramide		68134-22-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pentachlortrifluorpropan	ﾍﾟﾝﾀｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名CFC-213)	134237-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, reaction products with benzene, chlorine and sulfur chloride (S2Cl2)		921213-47-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly(oxy-1 ; 2-ethanediyl), alpha-methyl--[(4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9-tridecafluoro-2-hydroxynonyl) oxy]-		1227060-33-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[1,4-phenylene(1,1,2,2-tetrafluoro-1,2-ethanediyl)]		25669-37-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanamide, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-N-[3-(,4,6,8-tetramethylcyclotetrasiloxan-2-yl)propyl]- (9CI)		173524-60-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanamide, N-[3-(ethenyldimethylsilyl)phenyl]-2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-N-methyl- (9CI)		185438-14-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanenitrile, 3,3'-[[4-[[2-bromo-4-nitro-6-(trifluoromethyl)phenyl]azo]phenyl]imino]bis- (9CI)		246871-16-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)]bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, reaction produts with 3-(ethenyldimethylsilyl)-N-methylbenzenamine		166242-54-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, di-Me, Me 3,3,3-trifluoropropyl, hydroxy- and vinyl group-terminated		110475-04-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, di-Me, Me 3,3,3-trifluoropropyl, Me vinyl,hydroxy- and vinyl group-terminated		133649-92-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, Me 3,3,3-trifluoropropyl		63148-56-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, ((ethenyldimethylsilyl)oxy)-terminated		68037-88-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, hydroxy-terminated		68607-77-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

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Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, Me vinyl, hydroxy-terminated		68952-02-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, Me hydrogen, Me 3,3,3-trifluoropropyl		67923-24-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, Me Ph, Me 3,3,3-trifluoropropyl		1643944-25-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetrachlorotrifluoropropane	ﾃﾄﾗｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-223)	29470-95-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trans-1,3,3,3-tetrafluoropropene		1645-83-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trifluoromethane	ﾄﾘﾌﾙｵﾛﾒﾀﾝ	75-46-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroalkyl ethanol and methyl alcohol adducts of toluene diisocyanate.		44305	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and silicones, dimethyl, methylfluoroalkyl (PROVISIONAL).		46641	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Modified ethylene-tetrafluoro ethylene copolymer (PROVISIONAL).		60710	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Disubstituted tetrafluoroalkane.		62625	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Substituted tetrafluoroalkene.		67993	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Disubstituted tetrafluoroalkane.		68101	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl acrylate copolymer latex (PROVISIONAL).		70907	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoroalkyl betaine (PROVISIONAL).		71217	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated alkyl silane (PROVISIONAL).		71273	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Oxepanone, polymer with n-decanol and heptadecafluorodecanol, reaction product with benzene, diisocyanatomethyl (PROVISIONAL).		73940	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkylsiloxane hydrolyzate (PROVISIONAL).		74465	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl polyether (PROVISIONAL).		82623	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoro elastomer (PROVISIONAL).		87639	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Modified fluoroalkyl urethane (PROVISIONAL).		89419	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoro alkyl siloxane polymer (PROVISIONAL).		91748	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and silicones, dimethyl, methylfluoroalkyl (PROVISIONAL).		99333	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with poly(difluoromethylene), .omega.-(2-((1-oxo-2-propenyl)oxy)ethyl)-(PROVISIONAL).		100700	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroelastomer (PROVISIONAL).		102659	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkenyltrialkylammonium salt (PROVISIONAL).		103129	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorosiloxane polymer (PROVISIONAL).		104984	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Salt of perfluoro fatty acids (PROVISIONAL).		105590	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic ester polymer (PROVISIONAL).		107734	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroelastomer (PROVISIONAL).		109649	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fluorocarbon polymer (PROVISIONAL).		113758	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymers of fluoroolefin and vinyl ethers (PROVISIONAL).		114795	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymers of fluoroolefin and vinyl ethers (PROVISIONAL).		114831	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic ester copolymer (PROVISIONAL).		115118	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Reaction product of a fluorinated alcohol, epichlorohydrin, an alkyl glycol and an isocyanate (PROVISIONAL).		115776	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated substituted urethane (PROVISIONAL).		117727	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylacrylate (PROVISIONAL).		118219	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylsulfonamide salt (PROVISIONAL).		118322	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Reaction product of a fluorinated alcohol, epichlorohydrin, a diol and an isocyanate (PROVISIONAL).		118708	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Substituted perfluoroalkenyl ammonium salt (PROVISIONAL).		122453	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymers of fluoroolefin and vinyl ethers (PROVISIONAL).		125601	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Quaternary ammonium perfluoroalkyl carboxylate (PROVISIONAL).		127765	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl ethylacrylate oligomer (PROVISIONAL).		128677	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Modified perfluoropolyoxyalkane (PROVISIONAL).		129103	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated phosphate (PROVISIONAL).		131987	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoroacyl chloride (PROVISIONAL).		132957	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyamphiphile (PROVISIONAL).		134748	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		135058	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymer of fluoroolefin (PROVISIONAL).		136415	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		137587	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		137667	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroelastomer (PROVISIONAL).		137678	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic copolymer (PROVISIONAL).		138648	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated polyalkyl alkoxy siloxanes (PROVISIONAL).		142008	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethyl ester (PROVISIONAL).		144582	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Aromatic fluoroalkyl mixture complex.		146282	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorinated alcohol (PROVISIONAL).		150755	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Aryl phosphonate ester of a perfluoropolyether (PROVISIONAL).		152137	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		152411	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylacrylate copolymer (PROVISIONAL).		153209	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Betaines, dimethyl (polyfluoro-hydro-alkyl) (PROVISIONAL).		153345	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated silane (PROVISIONAL).		155567	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylacrylate copolymer (PROVISIONAL).		158022	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroelastomer (PROVISIONAL).		159707	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Modified fluorinated acrylic resin (PROVISIONAL).		160339	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoro alkylether (PROVISIONAL).		160680	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroethylene-vinylether copolymer (PROVISIONAL).		163214	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylacrylate copolymer (PROVISIONAL).		164148	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Modified perfluoropolyether salt (PROVISIONAL).		166973	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymer of tetrafluoroethylene and perfluoroalkoxy ethene (PROVISIONAL).		167410	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethyl amine (PROVISIONAL).		168833	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethyl ester (PROVISIONAL).		169347	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hydrofluorocarbon ethers (PROVISIONAL).		169698	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethyl acrylate copolymer (PROVISIONAL).		171790	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylphosphate ammonium salt (PROVISIONAL).		172851	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly-.beta.-fluoroalkylethyl acrylate and alkyl acrylate (PROVISIONAL).		174993	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly-.beta.-fluoroalkylethyl acrylate and polyoxyalkyl methacrylate (PROVISIONAL).		176740	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxane grafted fluoroelastomer.		178008	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alkyl perfluorinated acryloyl ester (PROVISIONAL).		193578	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alkenoic acid, polymer with alkyl alkenoate, alkylalkylalkenoate, alkenoic acid and tridecafluoro alkylalkenoate, compds. with alkylaminoalcanol.		194662	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic copolymer (PROVISIONAL).		196704	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer.		199350	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyether modified organosilane (PROVISIONAL).		200818	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoroalkyl phosphoric acid salt (PROVISIONAL).		204230	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hydrofluoroolefin polymer with 1,1-difluoroethene (PROVISIONAL).		205302	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoroacyl peroxide (PROVISIONAL).		205313	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Alkylpolycarboxylic acid, derivative, tris(fluorinatedalkoxy)alkyl ester salt.		217095	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated organopolysilazane.		218985	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoroalkyl phosphoric acid salt (PROVISIONAL).		221637	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, alkyl, alkyl propoxy ethyl, methyl octyl, alkyl polyfluorooctyl.		225004	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylate, polymer with alkyloxirane homopolymer monether with alkanediol mono(2-methyl-2-propenoate), tert-Bu 2-ethylhexaneperoxoate-initiated.		227884	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoropolymer (PROVISIONAL).		230194	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl methacrylate copolymer.		231255	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroethylene vinyl copolymer (PROVISIONAL).		231642	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		231937	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl thiol.		231993	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated ester.		232269	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorosilicone polymer (PROVISIONAL).		234050	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alkylene diisocyanate homopolymer, reaction product with substituted polyethylene glycol, perfluoroalkyl alcohol, methyl ethyl ketoxime and perfluoroalkylene glycol (PROVISIONAL).		234152	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymer of tetrafluoroethene and perfluorosulfonylvinylether (PROVISIONAL).		234389	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl thiol.		234458	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		234981	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		235586	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethylmethacrylate copolymer (PROVISIONAL).		235724	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated oligomer alcohol (PROVISIONAL).		236181	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer.		236238	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl halide.		236750	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyether compound (PROVISIONAL).		238052	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alkyl methacrylates, polymer with substituted carbomonocycle, hydroxymethyl acrylamide and fluorinatedalkyl acrylate (PROVISIONAL).		238096	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroacrylate modified urethane (PROVISIONAL).		238427	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl methylacrylate copolymer.		239191	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated alkylsulfonamidol urethane polymer (PROVISIONAL).		239260	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyether ally ether (PROVISIONAL).		240052	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fluoroalkyl methacrylate co-polymer (PROVISIONAL).		240392	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorobutanesulfonamide and polyoxyalkylene containing polyurethane.		241099	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyether methoxysilane (PROVISIONAL).		241271	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, aminoalkyl fluorooctyl, hydroxy-terminatedsalt.		242207	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyperfluoro alkylene glycol, perfluoroalkoxy-and hydroxy alkyl amido perfluoroalkyl terminated (PROVISIONAL).		242467	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		243266	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoro modified, polyether modified, and alkyl modified polymethylsiloxane (PROVISIONAL).		243562	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl substituted siloxanes (PROVISIONAL).		244076	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer modified with polysiloxanes.		244441	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoropolymeric sulfonic acid (PROVISIONAL).		244781	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl methacrylate copolymer (PROVISIONAL).		245397	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl thio polyacrylic acid-acrylamide.		245535	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl sulfonamide (PROVISIONAL).		245820	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polymer of perfluoroalkylethylmethacrylate, alkylacrylate, chloroethene, and urethane methacrylate		245831	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylated polyamino acid (PROVISIONAL).		246118	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		246287	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated aliphatic isocyanate polymer (PROVISIONAL).		247111	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetrafluoro acrylates copolymer with polyoxy methyl derivatives (PROVISIONAL).		248023	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethyl methacrylate copolymer, salt (PROVISIONAL).		248192	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl ethylmethacrylate copolymer.		248567	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Partially fluorinated alkyl betaine (PROVISIONAL).		248589	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Modified fluorinated acrylate.		248647	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Partially fluorinated borate ester (PROVISIONAL).		249220	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoro-modified acrylic copolymer.		249311	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoralkyl acrylate copolymer.		249399	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Diethylene glycol, polymer with diisocyanatoalkane, polyethylene glycol monomethyl ether- and fluorinatedalkanol-blocked (PROVISIONAL).		249559	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoropolymeric sulfonic acid salt (PROVISIONAL).		249640	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroacrylate copolymer (PROVISIONAL).		249720	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5) (PROVISIONAL).		251300	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate co-polymer (PROVISIONAL).		251662	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl methacrylate copolymer (PROVISIONAL).		251797	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Urethane polymer modified with perfluoroalkylsulfonamide (PROVISIONAL).		252290	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl sulfonamide derivative.		253884	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		253975	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alkyl acid fluoride (PROVISIONAL).		254116	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylsulfonamidoalkyl acrylate, polymer with acrylic acid derivatives (PROVISIONAL).		254456	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoroalkyl phosphoric acid salt (PROVISIONAL).		254649	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer.		255653	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic copolymer (PROVISIONAL).		255700	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic copolymer (PROVISIONAL).		255846	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Hexafluoropropylene-perfluoro (alkyl vinyl ether)-tetrafluoroethylene copolymer (PROVISIONAL).		255993	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoro modified, polyether modified polyacrylate (PROVISIONAL).		256372	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated copolymer (PROVISIONAL).		256394	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorinated organic peroxide (PROVISIONAL).		256452	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl acrylate copolymer (PROVISIONAL).		256678	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polymer of perfluoroalkylethylacrylate, alkylaminomethacrylate, hydroxyalkylmethacrylate, organic acid salt.		257171	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Phosphoric acid, mixed esters with partially fluorinated alcohol, ammonium salts (PROVISIONAL).		257444	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), amine salts.		257580	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		257911	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Alkane carboxylic acids esters with long chain fatty alcohol and fluorinated alkylsulfonamidoalkyl alcohol (PROVISIONAL).		257922	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyether compound (PROVISIONAL).		257966	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorinated difunctional acid flouride (PROVISIONAL).		258072	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoralkyl ether.		258174	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		258196	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethylene-tetrafluoroethylene-fluorinated alkene copolymer.		258981	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Copolymer of perfluoroalkylsulfonamidoalkyl acrylate and alkyl acrylate modified fatty acid dimers (PROVISIONAL).		259360	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl polyamide.		259633	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl substituted alkyl sulfonate.		259655	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl amine.		260196	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl sulfonamide derivative.		260958	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkyl acrylate (PROVISIONAL).		261428	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Partially fluorinated amphiphilic condensation polymer (PROVISIONAL).		261462	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl methacrylate co-polymer (PROVISIONAL).		261826	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer modified with polysiloxanes.		262169	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Copolymer of perfluorinated and alkyl methacrylates.		262341	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl thio polyacrylamide.		262545	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoro modified, polyether modified polyacrylate (PROVISIONAL).		262885	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl thio polyacrylamide.		263093	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Pefluoroalkylethylmethacrylate copolymer (PROVISIONAL).		263208	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl quaternary ammonium chloride.		263435	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium salt of fluorinated alkoxyfluoropropanoic acid.		264165	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroethylene-vinylether copolymer (PROVISIONAL).		264621	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		264687	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated vinyl ether polymer (PROVISIONAL).		264916	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorochemical ester (PROVISIONAL).		264949	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoroalkylproponic acid ethyl ester (PROVISIONAL).		265453	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic copolymer (PROVISIONAL).		265599	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyether modified silane (PROVISIONAL).		266423	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl esters, telomers with C18-26-alkyl acrylate, 1-dodecanethiol, N-(hydroxymethyl)-2-methyl-2-propenamide, polyfluorooctyl methacrylate, 2,2'-[1,2-diazenediylbis(1-methylethylidene)]bis[4,5-dihydro-1H-imidazole]hydrochloride (1:2)-initiated (PROVISIONAL).		267095	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated alkylsulfonamido acrylate copolymer (PROVISIONAL).		267948	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl methacrylate copolymer (PROVISIONAL).		268781	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated sulfonamide alcohol (PROVISIONAL).		268883	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fluorinated methacrylate monomer (PROVISIONAL).		269079	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Partially fluorinated alcohol substituted glycol (PROVISIONAL).		269400	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, telomers with C18-26-alkyl acrylate, 1-dodecanethiol, N-(hydroxymethyl)-2-methyl-2-propenamide, polyfluorooctyl methacrylate and vinylidene chloride, 2,2'-[1,2-diazenediylbis(1-methylethylidene)bis[4,5-dihydro-1H-imidazole] hydrochloride (1,2)-initiated (PROVISIONAL).		269604	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Tetrafluoroethylene chlorotrifluoroethylene copolymer (PROVISIONAL).		270598	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroelastomer (PROVISIONAL).		270601	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Modified fluorinated acrylate (PROVISIONAL).		270770	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated polyalkyl silicones (PROVISIONAL).		271364	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Urethane polymer modified with perfluoroalkylsulfonamide and polyethoxylate (PROVISIONAL).		271739	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ethylene-tetrafluoroethylene copolymer (PROVISIONAL).		272038	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroolefin copolymer (PROVISIONAL).		272458	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer.		272583	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluorinated alkyl thio acrylamide.		272618	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trifluoroethene polymer with 4-(ethenyloxy)-1-butanol, ethene, ethoxy- and olefin ethoxy copolymer (PROVISIONAL).		273611	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated alkylsulfonamido polymer (PROVISIONAL).		274136	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluorinated polyamine (PROVISIONAL).		274147	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkylacrylate co-polymer (PROVISIONAL).		274352	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Modified fluorinated acrylate (PROVISIONAL).		274363	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		274421	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyether chlorosilane (PROVISIONAL).		274512	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trifluoroethene polymer with, 4-(ethenyloxy)-1-butanol, olefin copolymers and amine (PROVISIONAL).		274534	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts (PROVISIONAL).		274658	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic alkylamino copolymer.		274670	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated amine oxide (PROVISIONAL).		275719	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyether-block-polytetrafluoroethylene (PROVISIONAL).		275899	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated alkenyl ether (PROVISIONAL).		276052	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

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Siloxanes and silicones, amino alkyl substituted alkyl hydroxyl, hydroxyl fluorinated alkyl, ester salts, reaction products with mixed metal oxides (PROVISIONAL).		276109	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro alkoxy acid fluoride derivative (PROVISIONAL).		276303	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Polyfluoroalkyl phosphoric acid (PROVISIONAL).		276858	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic polymer with acrylate groups (PROVISIONAL).		276950	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer.		277055	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluorinated acrylic alkylamino copolymer (PROVISIONAL).		277420	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl methacrylate co-polymer (PROVISIONAL).		278105	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		278138	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoropolyether compound (PROVISIONAL).		279051	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroalkylethylmethacrylate copolymer.		279108	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Urethane polymer modified with perfluoroalkylsulfonamide (PROVISIONAL).		279755	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trisiloxane, 3-[(dimethylsilyl)oxy]-1,1,5,5-tetramethyl-3-(3,3,4,4,5,5,6,6,6-nonafluorohexyl)-.		178241-16-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
2,4,13,15-Tetrasilahexadecane, 4,13-bis[(dimethylsilyl)methyl]-7,7,8,8,9,9,10,10-octafluoro-2,4,13,15-tetramethyl-.		401510-99-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Silane, bis[(1,1-dimethyl-2-propynyl)oxy]methyl(3,3,4,4,5,5,6,6,6-nonafluorohexyl)-.		506417-14-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Silsesquioxanes, 3,3,4,4,5,5,6,6,6-nonafluorohexyl, [(dimethylsilyl)oxy]-terminated.		507225-02-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Furan, tetrahydro-, polymer with 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, monoester with [3-(carboxyamino)methyl]-3,5,5-trimethylcyclohexyl]carbamic acid mono[2-[(1-oxo-2-propenyl)oxy]ethyl] ester, 2,2,2-trifluoroethyl ether.		709670-53-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
3,8,11,14-Tetraoxa-2,4-disilaheptadecane, 4-[(dimethylsilyl)oxy]-10,12,12,13,15,15,16,16,17,17,17-undecafluoro-2,4-dimethyl-10,13-bis(trifluoromethyl)-.		133068-47-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Trisiloxane, 1,1,3,5,5-pentamethyl-3-[3,4,4,4-tetrafluoro-3-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]butyl]-.		145782-39-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoyl fluoride, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine and 2,4,6,8-tetramethylcyclotetrasiloxane.		802935-59-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sulfonium, triphenyl-, salt with 1,1,2,2,3,3,4,4-octafluoro-1,4-butanedisulfonic acid (2:1).		848407-98-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

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Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,2-pentafluoro-N-[(pentafluoroethyl)sulfonyl]ethanesulfonamide (1:1).		524067-96-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, di-Me, Me 3,3,4,4,5,5,6,6,6-nonafluorohexyl, chloro-terminated.		908858-79-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoyl fluoride, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]-, polymer with 2,2,3-trifluoro-3-(trifluoromethyl)oxirane, reaction products with 3,3'-(1,2-ethanediyl)bis[3-[(dimethylsilyl)oxy]-1,1,5,5-tetram.		913292-62-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanol fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)]bis[2,3,3,3-tetrafluoro-, polymer with 2,2,3-trifluoro-3-(trifluoromethyl)oxirane, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine and methylbis[(1-methylethenyl)oxy]silane.		917979-29-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4-octafluoro-1,4-butanedisulfonate(2-) (2:1).		799274-55-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sulfonium, triphenyl-, 2,2'-oxybis[1,1,2,2-tetrafluoroethanesulfonate] (2:1).		848408-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Cyclotetrasiloxane, 2,4,6,8-tetramethyl-2-[3-[2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]propyl]-.		756819-73-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,5-Trisiloxanediol, 1,1,3,5,5-pentamethyl-3-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-.		1010387-03-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, Me hydrogen, [[7,9,9,10,12,12,13,13,14,14,14-undecafluoro-1,1-dimethyl-7,10-bis(trifluoromethyl)-5,8,11-trioxa-1-silatetradec-1-yl]oxy]-terminated.		1010423-83-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sulfonium, triphenyl-, salt with 4,4,5,5,6,6-hexafluorodihydro-4H-1,3,2-dithiazine 1,1,3,3-tetraoxide (1:1).		808752-25-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Sulfonium, (4-methylphenyl)diphenyl-, salt with 4,4,5,5,6,6-hexafluorodihydro-4H-1,3,2-dithiazine 1,1,3,3-tetraoxide (1:1).		862261-51-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Borate(1-), tetrahydro-, sodium (1:1), reaction products with reduced polymd. oxidized tetrafluoroethylene, hydrolyzed, diallyl ethers, polymers with 3-[(dimethylsilyl)oxy]-1,1,3,5,5-pentamethyl-1-[2 -(trimethoxysilyl)ethyl]trisiloxane.		1072943-15-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, di-Me, Bu group- and hydrogen-terminated, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine and 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)]bis[2,3,3,3-tetrafluoropropanoyl fluoride]-2,2,3-trifluoro-3-(trifluoromethyl)oxirane		1202381-96-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Oxetane, 2,2,3,3-tetrafluoro-, homopolymer, fluorinated, reduced, bis(2,3-dihydroxypropyl) ethers.		1188330-60-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,3-diisocyanatomethylbenzene, polyethylene glycol mono-Me ether- and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol-blocked.		1304011-35-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), polymer with 1,3-diisocyanatomethylbenzene, polyethylene glycol mono-Me ether- and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol-blocked.		1304012-00-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																

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Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[tetrafluoro(trifluoromethyl)ethyl]-.omega.-[1,2,2,2-tetrafluoro-1-[[3-(trimethoxysilyl)propoxy]methyl]ethoxy]-.		211931-77-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and Silicones, di-Me, 3,3,4,4,5,5,6,6-nonafluorohexyl group terminated.		2374700-01-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1-Pentadecene, 12,12,13,13,14,14,15,15,15-nonafluoro-.		631842-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Silane, trichloro(12,12,13,13,14,14,15,15,15-nonafluoropentadecyl)-.		2301857-79-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and silicones, Me hydrogen, [[dimethyl[3,3,4,4-tetrafluoro-4-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]butyl]silyl]oxy]-terminated.		166089-96-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha., .alpha'.-(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis[.omega.-(1-carboxy-1,2,2,2-tetrafluoroethoxy)-.		132910-12-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha., .alpha'.-(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis[.omega.-(1,2,2,2-tetrafluoro-1-[(2-propenylamino)carbonyl]ethoxy]-.		162442-49-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, Me hydrogen, ethers with trifluoro(trifluoromethyl)oxirane homopolymer 1,2,2,2-tetrafluoro-1-(hydroxymethyl)ethyl tetrafluoro(trifluoromethyl)ethyl ether.		174393-73-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane,		183905-82-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with 2-propen-1-amine.		183905-83-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Silanol, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)dimethyl-.		128194-56-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Propanoyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)]bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with N-[3-(triethoxysilyl)propyl]-1,2-ethanediamine.		185701-90-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoro-5,6-dimethyl-4,7-dioxadecane		2501-01-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Perfluoroisoheptyl Iodide		3486-08-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate		5081-02-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
1,1,2,2,3,3,4,4,5,5,6,6,7,7-Tetradecafluoroheptan-1-ol		7098-02-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●																
Potassium perfluoroheptanoate		21049-36-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
Magnesium bis(perfluorooctane-1-sulfonate)		91036-71-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●						●								●	
Piperidin-1-ium perfluorooctane-1-sulfonate		71463-74-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●						●								●	
didecyldimethylammonium perfluorooctane sulfonate		251099-16-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●						●								●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoroheptadecanoic acid		57475-95-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluorononadecanoic acid		133921-38-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
magnesium perfluorobutanesulfonate		507453-86-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
lithium perfluorobutanesulfonate		131651-65-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
morpholinium perfluorobutanesulfonate		503155-89-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-		75579-40-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-		75579-39-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●														
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1000597-52-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid		108427-54-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Ethanaminium, N,N,N-triethyl-, salt with1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)		108427-55-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)		1187817-57-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1310480-24-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1310480-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1310480-28-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)		1329995-45-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)		1329995-69-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)		41242-12-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)		421555-73-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic		421555-74-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		425670-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt		70136-72-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)		72033-41-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)		866621-50-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		910606-39-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		911027-68-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate		911027-69-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)		92011-17-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		928049-42-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		144116-10-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1462414-59-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		153443-35-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)		189274-31-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.with 2-methyl-2-propanamine (1:1)		202189-84-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		213740-81-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)		341035-71-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		341548-85-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)		350836-93-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)		41184-65-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●	●										●				
Fatty acids, C18-unsaturated, trimers, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl esters		148240-78-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Fatty acids, C18-unsaturated, trimers, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl esters		148240-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Fatty acids, C18-unsaturated, trimers, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl esters		148240-82-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Carbamic acid, N,N'-(4-methyl-1,3-phenylene)bis-, C,C'-bis[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl] ester		21055-88-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propen-1-yl-		24924-36-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Fatty acids, linseed-oil, dimers, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl esters		306973-46-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compounds with triethylamine		306975-56-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,1'-methylenebis[4-isocyanatobenzene] and 1,2,3-propanetriol, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compounds with morpholine		306975-57-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Cyclohexanesulfonic acid, 1,2,2,3,3,4,5,5,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)-, potassium salt (1:1)		335-24-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Decanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heneicosafluoro-		335-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-2-propen-1-yl-		335-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Cyclohexanesulfonyl fluoride, 1,2,2,3,3,4,4,5,5,6,6-undecafluoro-		355-03-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-		3820-83-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]-, sodium salt (1:1)		3871-50-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propen-1-yl-		423-86-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(phenylmethyl)-		50598-29-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Benzenesulfonic acid, [[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		51032-47-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Poly(oxy-1,2-ethanediyl), .alpha.-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]carbonyl]-.omega.-butoxy-		52032-20-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 4-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl ester		58920-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-methyl-, 4-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl ester		61577-14-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-eicosafluoroundecyl)sulfonyl]methylamino]ethyl ester		66008-68-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl)sulfonyl]methylamino]ethyl ester		66008-69-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-[methyl[(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)sulfonyl]amino]ethyl ester		66008-70-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-2-propen-1-yl-		67584-49-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[3-(trichlorosilyl)propyl]-		67584-50-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-methyl-, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl ester		67906-38-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-2-propen-1-yl-		67906-41-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-undecafluoropentyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid		67906-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[2-(phosphonooxy)ethyl]-		67923-61-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid		67939-37-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[3-(trichlorosilyl)propyl]-		67939-42-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Pentanesulfonamide, N,N'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-		67939-87-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Pentanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-[2-(phosphonooxy)ethyl]-		67939-90-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Cyclohexanesulfonyl fluoride, nonafluorobis(trifluoromethyl)-		68156-00-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Cyclohexanesulfonyl fluoride, decafluoro-1,1,2,2,2-(pentafluoroethyl)-		68156-06-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl ester		68227-97-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl ester		68227-99-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(4-hydroxybutyl)-N-methyl-		68239-72-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(4-hydroxybutyl)-N-methyl-		68239-73-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(phenylmethyl)-		68298-08-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(phenylmethyl)-		68298-10-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(4-hydroxybutyl)-N-methyl-		68298-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Benzenesulfonic acid, [[[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		68299-20-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Benzenesulfonic acid, ar-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		68299-29-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Heptanesulfonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-		68310-02-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Cyclohexanesulfonyl fluoride, decafluoro(trifluoromethyl)-		68318-34-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Propanaminium, 3-[(carboxymethyl)[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]-N,N,N-trimethyl-, inner salt		68318-36-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, polymer with 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-propenoate		68541-80-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]-, sodium salt (1:1)		68555-69-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]-, sodium salt (1:1)		68555-71-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]-, ethyl ester		68555-79-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]-		68957-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]-, ethyl ester		68957-54-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]-		68957-63-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Propanaminium, N,N,N-trimethyl-3-[[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]-, sulfate (2:1)		70225-24-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Propanaminium, 3-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]-N,N,N-trimethyl-, sulfate (2:1)		70225-26-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]propyl]-		71463-78-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]propyl]-		71463-79-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]propyl]-, diethyl ester		71463-80-4	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]propyl]-, diethyl ester		71463-81-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]-		72785-08-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate		73018-93-6	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Benzamide, 4-[[4-[[[2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl]amino]carbonyl]phenyl]methyl]-N-octadecyl-		73019-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,3-Benzenedicarboxamide, N3-[2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl]-N1-[2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl]-4-methyl-		73019-20-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-methoxypoly(oxy-1,2-ethanediyl)		73019-28-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester, polymer with 2-methyloxirane polymer with oxirane mono(2-methyl-2-propenoate)		73038-33-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-butoxypoly[oxy(methyl-1,2-ethanediyl)]		73275-59-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propenoate and 2-hydroxyethyl 2-propenoate		95590-48-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Methyl-trioctylammonium bis(trifluoromethylsulfonyl)imide		375395-33-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Fluoroelastomers		64706-30-5	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Polyvinylidene fluoride		24937-79-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
ethene,1,1,2,2-tetrafluoro-, polymer with 1,1'oxybis[ethene]		102646-47-9	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Fluoroethylene-alkyl vinylether		146915-43-7	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroindane		374-80-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Perfluoroperhydrofluoranthene		662-28-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoroperhydrobenzyltetralin		116265-66-8	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3,3,4,4,5,5,6,6,-octafluoro-1-Hexene		159148-08-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
3,3,4,5,5,5-hexafluoro-1-Pentene		2375-68-0	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
1,1,1,2,3,4,5,5,5-nonafluoro-2-(trifluoromethyl)-Pentane		85720-78-1	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Methyl perfluoroisoalkyl ether		22052-84-2	Observation	All applications and products	Intentionally added with decomposition byproducts	●	●															
Phenol	ﾌｪﾉｰﾙ	108-95-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenol, 2,4-bis(1,1-dimethylethyl)-		96-76-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenol, 2,6-bis(1,1-dimethylethyl)-		128-39-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethlethyl)- (UV 320)	2-(2H-ﾍﾞﾝｿﾞﾄﾘｱｿﾞｰﾙ-2-ｲﾙ)-4,6-ﾋﾞｽ(1,1-ｼﾞﾒﾁﾙｴﾁﾙ)-ﾌｪﾉｰﾙ	3846-71-7	Prohibited	All applications and products	Intentionally added	●	●	●		●			●									
Phenol, 2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)- (UV-234)		70321-86-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (UV 329)		3147-75-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-(1,1,3,3-tetramethylbutyl)- (UV 329)		3147-75-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (UV 350)		36437-37-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●					●							
Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1'-dimethylethyl)- (UV 327)	2-(2-ﾋﾄﾞﾛｷｼ-3,5-ｼﾞ-ｾｰﾌﾞﾁﾙﾌｪﾆﾙ)-5-ｸﾛﾛﾍﾞﾝｿﾞﾄﾘｱｿﾞｰﾙ[別名:2-(3,5-ｼﾞ-tert-ﾌﾞﾁﾙ-2-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ)-5-ｸﾛﾛﾍﾞﾝｿﾞﾄﾘｱｿﾞｰﾙ]	3864-99-1	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●	●	●		●					●							
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene		68610-51-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenol, 4,4',4''-(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-		1843-03-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenol, 4,4'-methylenebis[2,6-bis(1,1-dimethylethyl)-	2,2',6,6'-ﾃﾄﾗ-tert-ﾌﾞﾁﾙ-4,4'-ﾒﾁﾚﾝｼﾞﾌｪﾉｰﾙ	118-82-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●										●						
Phenol, styrenated		61788-44-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	4-(1,1,3,3-ﾃﾄﾗﾒﾁﾙﾌﾞﾁﾙ)ﾌｪﾉｰﾙ	140-66-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated, selected	4-（1,1,3,3-テトラメチルブチル）フェノール、エトキシレート、抜粋	-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
alpha-(p-(1,1,3,3-Tetramethylbutyl)phenyl))-omega-hydroxypoly(oxyethylene)		9036-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
Polyethylenglycol-[4-(1,1,3,3-tetramethylbutyl)phenyl]-ether		9002-93-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
2-{2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy}ethanol		2315-61-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●				●												
2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol		2315-67-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●				●												
20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol		2497-59-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●				●												

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phenol, 2-(1-methylpropyl)-4,6-dinitro-	2-(1-ﾒﾁﾙﾌﾟﾛﾋﾟﾙ)-4,6-ｼﾞﾆﾄﾛﾌｪﾉｰﾙ	88-85-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●		●	
Phenol, 2,4,6-tris(1,1-dimethylethyl)-	2,4,6-ﾄﾘｽ(1,1-ｼﾞﾒﾁﾙｴﾁﾙ)-ﾌｪﾉｰﾙ	732-26-3	Prohibited	All applications and products	Intentionally added	●							●						●			●
Phenylendiamines and its salts, selected	ﾌｪﾆﾚﾝｼﾞｱﾐﾝ類およびその塩、抜粋		Observation			●																
2,6-Dichloro-p-phenylenediamine	2,6-ｼﾞｸﾛﾛ-p-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	609-20-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2-Ethoxy-N4,N4-diethyl-p-phenylenediamine	2-ｴﾄｷｼ-4-(ｼﾞｴﾁﾙｱﾐﾉ)ﾍﾞﾝｾﾞﾝｱﾐﾝ	2359-46-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2-Methoxy-5-methyl-p-phenylenediamine	2-ﾒﾄｷｼ-5-ﾒﾁﾙ-p -ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	5307-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2-Nitro-p-phenylenediamine	ｼﾞｱﾐﾉﾆﾄﾛﾍﾞﾝｾﾞﾝ	5307-14-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
4-Chloro-o-phenylenediamine	4-ｸﾛﾛ-o-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	95-83-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Dimethyl-p-phenylenediamine	N,N-ｼﾞﾒﾁﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	99-98-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
m-phenylenediamine	m-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	108-45-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
m-phenylenediamine dihydrochloride	m-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ二塩酸塩	541-69-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
N,N'-Diphenyl-p-phenylenediamine	N,N'-ｼﾞﾌｪﾆﾙ-p-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	74-31-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
o-Phenylenediamine	o-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	95-54-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
o-phenylenediamine dihydrochloride	o-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ二塩酸塩	615-28-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenylenediamines	ﾌｪﾆﾚﾝｼﾞｱﾐﾝ(異性体混合物)	25265-76-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
p-Phenylenediamine	p-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	106-50-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
p-Phenylenediamine dihydrochloride	p-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ二塩酸塩	624-18-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
p-Phenylenediamine hydrochloride	p-ﾌｪﾆﾚﾝｼﾞｱﾐﾝﾋﾄﾞﾛｸﾛﾘﾄﾞ	55972-71-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phenyl Glycidyl Ether		122-60-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
Phosphoric acid, bis[(1,1-dimethylethyl)phenyl] phenyl ester		65652-41-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phosphoric acid,(1,1-dimethylethyl)phenyl diphenyl ester		56803-37-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phosphoric acid, tris(2-methylphenyl) ester	O-ﾄﾘｸﾚｼﾞﾙﾌｫｽﾌｪｰﾄ	78-30-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-propyl) esters, zinc salts		84605-29-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphorodithioic acid,mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts		85940-28-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phosphorodithioic acid,mixed O,O-bis(iso-butyl and pentyl) esters, zinc salts		68457-79-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phosphorodithioic acid, mixed O,O-bis(sec-butyl and isooctyl) esters, zinc salts		113706-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts		68649-42-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Phthalates, selected	ﾌﾀﾙ酸ｴｽﾃﾙ類、抜粋		Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
(1,2-Benzenedicarboxylic acid, diheptyl ester, branched and linear)	ﾌﾀﾙ酸ｼﾞﾌﾟﾁﾙｼﾞ-ﾍﾌﾟﾁﾙｴｽﾃﾙ(分枝型及び直鎖)	68515-44-6	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
(1,2-Benzenedicarboxylic acid, dinonyl ester, branched and linear)	ﾌﾀﾙ酸ｼﾞﾌﾟﾁﾙｰｼﾞﾉﾆﾙｴｽﾃﾙ(分枝型及び直鎖)	68515-45-7	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	1,2-ﾍﾞﾝｾﾞﾝｼﾞｶﾙﾎﾞﾝ酸,ｼﾞﾍﾟﾝﾁﾙｴｽﾃﾙ,分岐及び直鎖	84777-06-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●									●			
(1,2-Benzenedicarboxylic acid, diundecyl ester)	ﾌﾀﾙ酸ｼﾞｳﾝﾃﾞｼﾙ	3648-20-2	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
(1,2-Benzenedicarboxylic acid, heptyl nonyl ester, branched and linear)	ﾌﾀﾙ酸ｼﾞﾌﾟﾁﾙｰﾍﾌﾟﾁﾙﾉﾆﾙｴｽﾃﾙ(分枝型及び直鎖)	111381-89-6	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
(1,2-Benzenedicarboxylic acid, heptyl undecyl ester, branched and linear)	ﾌﾀﾙ酸ｼﾞﾌﾟﾁﾙｰﾍﾌﾟﾁﾙｳﾝﾃﾞｼﾙｴｽﾃﾙ(分枝型及び直鎖)	111381-90-9	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
(1,2-Benzenedicarboxylic acid, nonyl undecyl ester, branched and linear)	ﾌﾀﾙ酸ｼﾞﾌﾟﾁﾙｰﾉﾆﾙｳﾝﾃﾞｼﾙｴｽﾃﾙ(分枝型及び直鎖)	111381-91-0	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
1,2-Benzenedicarboxylic acid; di-C6-8-branched alkylesters, C7-rich	ﾌﾀﾙ酸ｼﾞﾍﾌﾟﾁﾙ	71888-89-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●									●			
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters		68515-51-5	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●												
1,2-Benzenedicarboxylic acid, di-C10-12-branched alkyl esters		1689515-36-3	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	1,2-ﾍﾞﾝｾﾞﾝｼﾞｶﾙﾎﾞﾝ酸、ｼﾞ-C6～10-ｱﾙｷﾙｴｽﾃﾙ; 1,2-ﾍﾞﾝｾﾞﾝｼﾞｶﾙﾎﾞﾝ酸、ﾃﾞｼﾙ・ﾍｷｼﾙ・ｵｸﾁﾙｼﾞｴｽﾃﾙﾄ0.3%以上のﾌﾀﾙ酸ｼﾞﾍｷｼﾙ	68648-93-1	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●												
Benzyl butyl phthalate (BBP) (1,2-Benzenedicarboxylic acid, 1-butyl 2-(phenylmethyl) ester)	ﾌﾀﾙ酸ﾌﾞﾁﾙﾍﾞﾝｼﾞﾙ(BBP)	85-68-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●	●	●	●								●		●	
Bis(2-methoxyethyl) phthalate (1,2-Benzenedicarboxylic acid, 1,2-bis(2-methoxyethyl) ester)		117-82-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●									●			
Di(2-ethylhexyl)phthalate (DEHP) (1,2-Benzenedicarboxylic acid, 1,2-bis(2-ethylhexyl) ester)	ﾌﾀﾙ酸ｼﾞ2-ｴﾁﾙﾍｷｼﾙ(DEHP)	117-81-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●	●	●	●								●		●	
Dibutylphthalate （DBP） (1,2-Benzenedicarboxylic acid, 1,2-dibutyl ester)	ﾌﾀﾙ酸ｼﾞﾌﾞﾁﾙ(DBP)	84-74-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●	●	●	●								●		●	
Benzyl octyl phthalate (B79P)		68515-40-2	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Dicyclohexyl phthalate	ﾌﾀﾙ酸ｼﾞｼｸﾛﾍｷｼﾙ	84-61-7	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●											●			
Dihexyl phthalate	ﾌﾀﾙ酸ｼﾞﾍｷｼﾙ	84-75-3	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●									●		●	
Diisobutylphthatlate (DiBP) (1,2-Bis(2-methylpropyl) ester)	ｼﾞｲｿﾌﾞﾁﾙﾌﾀﾚｰﾄ;ﾌﾀﾙ酸ｼﾞｲｿﾌﾞﾁﾙ (DiBP)	84-69-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●	●	●	●								●			

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Diisopentylphthalate （DIPP) (1,2- Benzenedicarboxylicacid, 1,2-bis(3-methylbutyl) ester)	ﾌﾀﾙ酸ｼﾞｲｿﾍﾟﾝﾁﾙ(DIPP)	605-50-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●									●			
Dipentylphthalate (1,2-Benzenedicarboxylic acid, 1,2-dipentyl ester)	ﾌﾀﾙ酸ｼﾞﾍﾟﾝﾁﾙ	131-18-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●									●			
Heptyl undecyl phthalate (1,2-Benzenedicarboxylic acid di-C7-11-branched and linear alkyl-esters)	ﾌﾀﾙ酸ﾍﾌﾟﾁﾙﾉﾆﾙｳﾝﾃﾞｼﾙ	68515-42-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●									●			
Di-isononyl phthalate	ｼﾞｲｿﾉﾆﾙﾌﾀﾚｰﾄ(DINP)	28553-12-0	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●													
Di-isodecyl phthalate	ｼﾞｲｿﾃﾞｼﾙﾌﾀﾚｰﾄ	26761-40-0	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●													
Di-n-octylphthalate	ｼﾞ-n-ｵｸﾁﾙﾌﾀﾚｰﾄ	117-84-0	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●													
Di-(C9-rich branched C8-C10−alkyl) phthalate		68515-48-0	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●													
Diisodecycl phthalate (DIDP)		68515-49-1	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●													
Pitch, coal tar, high temp.	ｺｰﾙﾀｰﾙﾋﾟｯﾁ, 高温留分	65996-93-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●									●			
Polyamine Curing Agents, selected	ポリアミン硬化剤、抜粋		Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
bis-Hexamethylenetriamine	ﾋﾞｽﾍｷｻﾒﾁﾚﾝﾄﾘｱﾐﾝ	143-23-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Triethyleneglycoldiamine	1,8-ｼﾞｱﾐﾉ-3,6-ｼﾞｵｷｻｵｸﾀﾝ	929-59-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Poly(propyleneglycol)triamine	ﾎﾟﾘ(ﾌﾟﾛﾋﾟﾚﾝｸﾞﾘｺｰﾙ) ﾄﾘｱﾐﾝ	64852-22-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Poly(propyleneglycol)diamine	ﾎﾟﾘ(ﾌﾟﾛﾋﾟﾚﾝｸﾞﾘｺｰﾙ) ｼﾞｱﾐﾝ	9046-10-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Pentaethylenehexamine	ﾍﾟﾝﾀｴﾁﾚﾝﾍｷｻﾐﾝ	4067-16-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Hexamethylenetetramine	ﾍｷｻﾒﾁﾚﾝﾃﾄﾗﾐﾝ	100-97-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Polybrominated biphenyls (PBB), all members	ポリ臭化ビフェニル類（PBB類）、全て		Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●																
1,1'-Biphenyl, 2,2',3,4',5'-pentabromo-	2,2',3,4',5'-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	73141-48-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●	
1,1'-Biphenyl, 2,2',3,4,6-pentabromo-	2,2',3,4,6-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	77910-04-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●	
1,1'-Biphenyl, 2,2',3,5',6-pentabromo-	2,2',3,5',6-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	88700-05-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●	
1,1'-Biphenyl, 2,2',4,4',5-pentabromo-	2,2',4,4',5-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	81397-99-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●	
1,1'-Biphenyl, 2,2',4,4',6-pentabromo-	2,2',4,4',6-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	97038-97-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●	
1,1'-Biphenyl, 2,2',4,4'-tetrabromo-	2,2',4,4'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	66115-57-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●	
1,1'-Biphenyl, 2,2',4,4',5,5'-hexabromo-	ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59080-40-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●		●								●	
1,1'-Biphenyl, 2,2',4,5,5'-pentabromo-	2,2',4,5,5'-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	67888-96-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●	
1,1'-Biphenyl, 2,2',4,5',6-pentabromo-	2,2',4,5',6-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59080-39-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1'-Biphenyl, 2,2',4,5,6'-pentabromo-	2,2',4,5,6'-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	80274-92-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,2',4,5'-tetrabromo-	2,2',4,5'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	60044-24-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,2',4,6,6'-pentabromo-	2,2',4,6,6'-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	97063-75-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,2',4,6'-tetrabromo-	2,2',4,6'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	97038-95-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,2',5,5'-tetrabromo-	2,2',5,5'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59080-37-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,2',5,6'-tetrabromo-	2,2',5,6'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	60044-25-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,2',5-tribromo-	2,2',5-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59080-34-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●				●					●		
1,1'-Biphenyl, 2,2',6,6'-tetrabromo-	2,2',6,6'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	97038-96-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,2'-dibromo-	2,2'-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	13029-09-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							
1,1'-Biphenyl, 2,3,4,4',5-pentabromo-	2,3,4,4',5-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	96551-70-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2',3,4,4',5-pentabromo-	2',3,4,4',5-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	74114-77-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,3',4,4'-tetrabromo-	2,3',4,4'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	84303-45-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,3,4,5,6-pentabromo-	2,3,4,5,6-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	38421-62-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,3',4',5-tetrabromo-	2,3',4',5-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59080-38-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,3',5-tribromo-	2,3',5-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59080-35-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,3'-dibromo-	2,3'-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	49602-90-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							
1,1'-Biphenyl, 2,3,3',4'-tetrabromo-	ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	40088-45-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●				●					●		
1,1'-Biphenyl, 2,4,4',6-tetrabromo-	2,4,4',6-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	64258-02-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,4',5-tribromo-	2,4',5-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59080-36-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,4,6-tribromo-	2,4,6-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59080-33-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,4',6-tribromo-	2,4',6-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	64258-03-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 2,4'-dibromo-	2,4'-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	49602-91-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							
1,1'-Biphenyl, 2,4-dibromo-	2,4-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	53592-10-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							
1,1'-Biphenyl, 2,5-dibromo-	2,5-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	57422-77-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							
1,1'-Biphenyl, 2,6-dibromo-	2,6-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59080-32-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							
1,1'-Biphenyl, 3,3',4,4'-tetrabromo-	3,3',4,4'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	77102-82-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 3,3',4,5'-tetrabromo-	3,3',4,5'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	97038-98-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 3,3',5,5'-tetrabromo-	3,3',5,5'-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	16400-50-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 3,3'-dibromo-	3,3'-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	16400-51-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							
1,1'-Biphenyl, 3,4,4',5-tetrabromo-	3,4,4',5-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59589-92-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●					●		
1,1'-Biphenyl, 3,4'-dibromo-	3,4'-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	57186-90-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							
1,1'-Biphenyl, 3,4-dibromo-	3,4-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	60108-72-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1'-Biphenyl, 4,4'-dibromo-	4,4'-ｼﾞﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	92-86-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●		●				●							
1,1'-Biphenyl, dibromo-		27479-65-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●							
2-bromobiphenyl	2-ﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	2052-07-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●											
3-bromobiphenyl	3-ﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	2113-57-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●		●											
4-Bromobiphenyl	4-ﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	92-66-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●		●											
Decabromobiphenyl	ﾃﾞｶﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	13654-09-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●		●											
Firemaster BP-6	臭素化ﾋﾞﾌｪﾆﾙ	59536-65-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●		●											
Firemaster FF-1	ﾎﾟﾘ臭化ﾋﾞﾌｪﾆﾙ(混合)	67774-32-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●											
Heptabromobiphenyl		35194-78-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●											
Hexabromobiphenyl	ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	36355-01-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●		●		●					●		●		
Nonabromo-1,1'-biphenyl		27753-52-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●		●											
Octabromobiphenyl	ｵｸﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	27858-07-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●			●		●									●		
Pentabromobiphenyl		56307-79-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●				●					●		
Bromkal 80	ｵｸﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	61288-13-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●											
2,2 ', 4,4', 5,6'-hexabromobiphenyl	2,2',4,4',5,6'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	36402-15-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,3', 5,5'-hexabromobiphenyl	2,2',3,3',5,5'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	55066-76-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 4,4', 6,6'-hexabromobiphenyl	2,2',4,4',6,6'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	59261-08-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
3,3 ', 4,4', 5,5'-hexabromobiphenyl	3,3',4,4',5,5'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	60044-26-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,4,4', 5'-hexabromobiphenyl	2,2',3,4,4',5'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	67888-98-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,3 ', 4,4', 5,5'-hexabromobiphenyl	2,3',4,4',5,5'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	67888-99-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,4', 5 ', 6-hexabromobiphenyl	2,2',3,4',5',6-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	69278-59-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,3,3 ', 4,4', 5-hexabromobiphenyl	2,3,3',4,4',5-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	77607-09-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,4,4', 5-hexabromobiphenyl	2,2',3,4,4',5-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	81381-52-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,3', 4,4'-hexabromobiphenyl	2,2',3,3',4,4'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	82865-89-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,3', 4,5'-hexabromobiphenyl	2,2',3,3',4,5'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	82865-90-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,3,3 ', 4', 5 ', 6-hexabromobiphenyl	2,3,3',4',5',6-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	82865-91-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,3,3 ', 4,4', 5'-hexabromobiphenyl	2,3,3',4,4',5'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	84303-47-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,3 ', 4,4', 5 ', 6-hexabromobiphenyl	2,3',4,4',5',6-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	84303-48-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,4', 6,6'-hexabromobiphenyl	2,2',3,4',6,6'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	93261-83-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,3', 4,6'-hexabromobiphenyl	2,2',3,3',4,6'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	119264-50-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,3', 5,6'-hexabromobiphenyl	2,2',3,3',5,6'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	119264-51-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		
2,2 ', 3,4,5', 6-hexabromobiphenyl	2,2',3,4,5',6-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	119264-52-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●							●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,2 ', 3,5,5', 6-hexabromobiphenyl	2,2',3,5,5',6-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	119264-53-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●								●		
2,2 ', 3,4,5,5'-hexabromobiphenyl	2,2',3,4,5,5'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	120991-47-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●								●		
2,3,3 ', 4,5,5'-hexabromobiphenyl	2,3,3',4,5,5'-ﾍｷｻﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	120991-48-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●								●		
2,4,4'-Tribromobiphenyl	2,4,4'-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	6430-90-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
3,4,4'-Tribromobiphenyl	3,4,4'-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	6683-35-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
3,5-Dibromobiphenyl		16372-96-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●								
Tribromobiphenyl	ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	51202-79-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,3',4,4',5-Pentabromobiphenyl	2,3',4,4',5-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	67888-97-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
3,4',5-Tribromobiphenyl	3,4',5-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	72416-87-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,3',4,5,5'-Pentabromobiphenyl	2,3',4,5,5'-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	80407-70-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
3,3',4,5,5'-Pentabromobiphenyl	3,3',4,5,5'-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	81902-33-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
3,3',4,4',5-Pentabromobiphenyl	3,3',4,4',5-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	84303-46-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,3',4,4',6-Pentabromobiphenyl	2,3',4,4',6-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	86029-64-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,3,3',4-Tetrabromobiphenyl	2,3,3',4-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	97038-99-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,3-Dibromobiphenyl		115245-06-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●								
2,4,5-Tribromobiphenyl	2,4,5-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	115245-07-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
3,4,5-Tribromobiphenyl	3,4,5-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	115245-08-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,3,4,5-Tetrabromobiphenyl	2,3,4,5-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	115245-09-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,3,4,6-Tetrabromobiphenyl	2,3,4,6-ﾃﾄﾗﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	115245-10-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,3',4-Tribromobiphenyl	2,3',4-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	144978-86-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,3,3',4',6-Pentabromobiphenyl	2,3,3',4',6-ﾍﾟﾝﾀﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	144978-89-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,2',4-Tribromobiphenyl	2,2',4-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	144978-90-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
2,2',6-Tribromobiphenyl	2,2',6-ﾄﾘﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ	507241-82-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●				●						●		
Polybrominated diphenyl ethers (PBDE),all members	ポリ臭化ジフェニルエーテル(PBDE)、全て		Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●																	
2,2',3,3',4,5',6-heptabromodiphenyl ether		446255-22-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●			●		
2,2',3,4,4',5',6-Heptabromodiphenyl ether		207122-16-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●			●		
2,2',4,4',5,5'-Hexabromodiphenyl ether		68631-49-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●			●		
2,2',4,4',5,6'-hexabromodiphenyl ether		207122-15-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●			●		
2,2',4,4',5-Pentabromodiphenyl ether		60348-60-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●			●		
2,2',4,4'-tetrabromodiphenyl ether	ﾃﾄﾗﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	5436-43-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●			●		
Benzen,1,2,4,5-tetrabromo-3-(2,4-dibromophenoxy)-	2,2',3,4',5,6—ﾍｷｻﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	116995-33-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●			●		
Benzene, 1,1'-oxybis[2,3,4,6-tetrabromo-		117964-21-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●							●					

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Decabromodiphenyl ether ('Deca'; Decabromodiphenyl oxide) (Benzene, 1,1'-oxybis[2,3,4,5,6-pentabromo-)	ﾃﾞｶﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	1163-19-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●			●		●					●		●		●
Dibromodiphenyl ether	ｼﾞﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	2050-47-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●							●				
Monobromodiphenyl ether	ﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	101-55-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●							●				
Nonabromodiphenyl ether	ﾉﾅﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	63936-56-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●							●				
Octabromodiphenyl ether ('Octa') (Benzene, 1,1'-oxybis-, octabromo deriv.)	ｵｸﾀﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	32536-52-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●		●							●	●	●		
Pentabromodiphenyl ether ('Penta') (Benzene, 1,1'-oxybis-, pentabromo deriv.)	ﾍﾟﾝﾀﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	32534-81-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●		●					●		●		
Hexabromodiphenyl ether	ﾍｷｻﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	36483-60-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●		●					●		●		
Heptabromodiphenyl ether	ﾍﾌﾟﾀﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	68928-80-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●		●					●		●		
Tetrabromodiphenyl ether	ﾃﾄﾗﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	40088-47-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●		●					●		●		
Tribromodiphenyl ether	ﾄﾘﾌﾞﾛﾓｼﾞﾌｪﾆﾙｴｰﾃﾙ	49690-94-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●	●				●							●				
1,2-dibromo-4- (3,4-dibromophenoxy) benzene	1,2-ｼﾞﾌﾞﾛﾓ-4-(3,4-ｼﾞﾌﾞﾛﾓﾌｪﾉｷｼ)ﾍﾞﾝｾﾞﾝ	93703-48-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●		●		
1,3-Dibromo-5- (3,5-dibromophenoxy) benzene	1,3-ｼﾞﾌﾞﾛﾓ-5-(3,5-ｼﾞﾌﾞﾛﾓﾌｪﾉｷｼ)ﾍﾞﾝｾﾞﾝ	103173-66-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●		●		
1,2,3,4,5-pentabromo-6-phenoxybenzene	1,2,3,4,5-ﾍﾟﾝﾀﾌﾞﾛﾓ-6-ﾌｪﾉｷｼﾍﾞﾝｾﾞﾝ	189084-65-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●		●		
Tribromo (tribromophenoxy) benzene	ﾄﾘﾌﾞﾛﾓ(ﾄﾘﾌﾞﾛﾓﾌｪﾉｷｼ)ﾍﾞﾝｾﾞﾝ	31153-30-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●		●		
1,3,5-tribromo-2- (2,4,6-tribromophenoxy) benzene	1,3,5-ﾄﾘﾌﾞﾛﾓ-2-(2,4,6-ﾄﾘﾌﾞﾛﾓﾌｪﾉｷｼ)ﾍﾞﾝｾﾞﾝ	35854-94-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●		●		
1,2,4,5-tetrabromo-3- (2,4,6-tribromophenoxy) benzene	1,2,4,5-ﾃﾄﾗﾌﾞﾛﾓ-3-(2,4,6-ﾄﾘﾌﾞﾛﾓﾌｪﾉｷｼ)ﾍﾞﾝｾﾞﾝ	116995-32-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●		●		
1,2,3,5-tetrabromo-4- (2,4,6-tribromophenoxy) benzene	1,2,3,5-ﾃﾄﾗﾌﾞﾛﾓ-4-(2,4,6-ﾄﾘﾌﾞﾛﾓﾌｪﾉｷｼ)ﾍﾞﾝｾﾞﾝ	117948-63-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●					●		●					●		●		
Polybrominated terphenyls (PBT), all members	ポリ臭化ターフェニル類（PBT）、全て		Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Dodecabromoterphenyl	ﾄﾞﾃﾞｶﾌﾞﾛﾓﾀｰﾌｪﾆﾙ	79596-31-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Undecabromoterphenyl	1,1':4',1''-ﾃﾙﾍﾞﾝｾﾞﾝ/臭素,(1:11)	83929-80-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
4-Bromo-p-terphenyl (1,1':4',1''-Terphenyl, 4-bromo-)	4-ﾌﾞﾛﾓ-p-ﾀｰﾌｪﾆﾙ	1762-84-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2''-Bromo-[1,1';4',1'']terphenyl		3282-24-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
2''-Bromo-[1,1';2',1'']terphenyl		75295-57-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
4,4'-Dibromo-p-terphenyl	4,4''-ｼﾞﾌﾞﾛﾓ-p-ﾀｰﾌｪﾆﾙ	17788-94-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
3-bromo-p-terphenyl	3-ﾌﾞﾛﾓ-p-ﾀｰﾌｪﾆﾙ	1762-87-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Polychlorinated biphenyls (PCB), all members	ポリ塩化ビフェニル類（PCB）、全て		Prohibited			●																
1,1'-Biphenyl, 2,4',5-trichloro-	2,4',5-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	16606-02-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2',4,4'-Tetrachlorobiphenyl	2,2',4,4'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	2437-79-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3',4,4',5,5'-HEXACHLOROBIPHENYL	2,3',4,4',5,5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-72-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4,5,2',4',5'-Hexachlorobiphenyl	2,4,5,2',4',5-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	35065-27-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,3',4,4'-TETRACHLOROBIPHENYL	3,3',4,4'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	32598-13-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,4,5,3',4',5'-Hexachlorobiphenyl	3,3',4,4',5,5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	32774-16-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Aroclor 1016	塩化ｼﾞﾌｪﾆﾙ(塩素16%)	12674-11-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●												●				●
Aroclor 1221	塩化ｼﾞﾌｪﾆﾙ(塩素21%)	11104-28-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●												●				●
Aroclor 1232	塩化ｼﾞﾌｪﾆﾙ(塩素32%)	11141-16-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●												●				●
Aroclor 1242	ｼｸﾛｼﾞﾌｪﾆﾙ	53469-21-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●												●				●
Aroclor 1248	塩化ｼﾞﾌｪﾆﾙ(塩素48%)	12672-29-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●												●				●
AROCLOR 1254	塩化ｼﾞﾌｪﾆﾙ(塩素54%)	11097-69-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Aroclor 1260	塩化ｼﾞﾌｪﾆﾙ(塩素60%)	11096-82-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●												●				●
Heptachloro-1,1'-biphenyl	ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	28655-71-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Nonachloro-1,1'-biphenyl	ﾉﾅｸﾛﾛﾋﾞﾌｪﾆﾙ	53742-07-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
pentachloro[1,1'-biphenyl]	ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	25429-29-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Polychlorinated biphenyls	ﾎﾟﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	1336-36-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●	●						●					●				●
Tetrachloro(tetrachlorophenyl)benzene	ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	31472-83-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,3'-dichlorobiphenyl	3,3'-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	2050-67-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
4,4'-dichlorobiphenyl	4,4'-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	2050-68-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4 ', 5,5', 6,6'-decachlorobiphenyl		2051-24-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2-chlorobiphenyl		2051-60-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3-chlorobiphenyl	3-ｸﾛﾛﾋﾞﾌｪﾆﾙ	2051-61-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
4-Chlorobiphenyl	4-ｸﾛﾛﾋﾞﾌｪﾆﾙ	2051-62-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 5,5 ', 6,6'-octachlorobiphenyl		2136-99-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,4'-dichlorobiphenyl	3,4'-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	2974-90-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,4-dichlorobiphenyl	3,4-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	2974-92-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4,4'-trichlorobiphenyl	2,4,4'-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	7012-37-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2'-dichlorobiphenyl	2,2'-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	13029-08-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4,5-trichlorobiphenyl	2,4,5-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	15862-07-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 6,6'-tetrachlorobiphenyl		15968-05-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3-dichlorobiphenyl	2,3-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	16605-91-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4,5,6-Pentachlorobiphenyl	2,3,4,5,6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	18259-05-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Trichlorobiphenyl	ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	25323-68-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Dichlorobiphenyl		25512-42-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,3'-dichlorobiphenyl	2,3'-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	25569-80-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Hexachlorobiphenyl	ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	26601-64-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Tetrachlorobiphenyl	ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	26914-33-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Chlorobiphenyl	ｸﾛﾛﾋﾞﾌｪﾆﾙ	27323-18-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
ar, ar, ar-trichlorobiphenyl	ar,ar,ar-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	30605-61-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,4', 5-pentachlorobiphenyl	2,3',4,4',5-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	31508-00-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,4'-tetrachlorobiphenyl	2,3',4,4'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	32598-10-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4', 5-tetrachlorobiphenyl	2,3',4',5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	32598-11-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4,4 ', 6-tetrachlorobiphenyl	2,4,4',6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	32598-12-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,4'-pentachlorobiphenyl	2,3,3',4,4'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	32598-14-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4,4 ', 5-tetrachlorobiphenyl	2,4,4',5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	32690-93-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4,4'-tetrachlorobiphenyl	2,3,4,4'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	33025-41-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
ar, ar'-dichlorobiphenyl	ar,ar'-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	33039-81-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4 ', 6,6'-octachlorobiphenyl	2,2',3,3',4,4',6,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	33091-17-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,6-dichlorobiphenyl	2,6-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	33146-45-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4-dichlorobiphenyl	2,4-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	33284-50-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,3 ', 5,5'-tetrachlorobiphenyl	3,3',5,5'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	33284-52-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4,5-tetrachlorobiphenyl	2,3,4,5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	33284-53-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,5,6-tetrachlorobiphenyl	2,3,5,6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	33284-54-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,2 ', 4,4', 6,6'-hexachlorobiphenyl		33979-03-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,5-dichlorobiphenyl	2,5-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	34883-39-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,5-dichlorobiphenyl	3,5-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	34883-41-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4'-dichlorobiphenyl	2,4'-ｼﾞｸﾛﾛﾋﾞﾌｪﾆﾙ	34883-43-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 5'-hexachlorobiphenyl	2,2',3,4,4',5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	35065-28-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 5,5'-heptachlorobiphenyl	2,2',3,4,4',5,5'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	35065-29-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4 ', 5-heptachlorobiphenyl	2,2',3,3',4,4',5-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	35065-30-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4,6-trichlorobiphenyl	2,4,6-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	35693-92-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 5,5'-tetrachlorobiphenyl	2,2',5,5'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	35693-99-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 5,5'-hexachlorobiphenyl	2,2',3,3',5,5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	35694-04-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 5-hexachlorobiphenyl	2,2',3,4,4',5-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	35694-06-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4 ', 5,5'-octachlorobiphenyl	2,2',3,3',4,4',5,5'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	35694-08-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4'-tetrachlorobiphenyl	2,2',3,4'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	36559-22-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 5-trichlorobiphenyl	2,2',5-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	37680-65-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4-trichlorobiphenyl	2,2',4-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	37680-66-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 5'-trichlorobiphenyl	2,3',5'-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	37680-68-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,3 ', 4-trichlorobiphenyl	3,3',4-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	37680-69-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,5,5'-pentachlorobiphenyl	2,2',4,5,5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	37680-73-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,5', 6-pentachlorobiphenyl	2,2',3,5',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	38379-99-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,2 ', 4,4', 5-pentachlorobiphenyl	2,2',4,4',5-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	38380-01-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,5'-pentachlorobiphenyl	2,2',3,4,5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	38380-02-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4', 6-pentachlorobiphenyl	2,3,3',4',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	38380-03-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 5 ', 6-hexachlorobiphenyl	2,2',3,4',5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	38380-04-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,6'-hexachlorobiphenyl	2,2',3,3',4,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	38380-05-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4'-hexachlorobiphenyl	2,2',3,3',4,4'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	38380-07-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,4', 5-hexachlorobiphenyl	2,3,3',4,4',5-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	38380-08-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 6,6'-hexachlorobiphenyl	2,2',3,3',6,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	38411-22-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5,6'-heptachlorobiphenyl	2,2',3,3',4,5,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	38411-25-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 6-trichlorobiphenyl	2,2',6-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-73-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 6-trichlorobiphenyl	2,3',6-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-76-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4 ', 6-trichlorobiphenyl	2,4',6-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-77-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3-trichlorobiphenyl	2,2',3-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-78-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 5-trichlorobiphenyl	2,3',5-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-81-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3'-trichlorobiphenyl	2,3,3'-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-84-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4'-trichlorobiphenyl	2,3,4'-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-85-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2 ', 3,4-trichlorobiphenyl	2',3,4-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-86-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,3 ', 5-trichlorobiphenyl	3,3',5-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-87-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,4 ', 5-trichlorobiphenyl	3,4',5-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-88-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3,4,4'-trichlorobiphenyl	3,4,4'-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-90-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3'-tetrachlorobiphenyl	2,2',3,3'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	38444-93-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,4', 6-pentachlorobiphenyl	2,2',4,4',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	39485-83-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,4', 5,5'-heptachlorobiphenyl	2,3,3',4,4',5,5'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	39635-31-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 5,5'-pentachlorobiphenyl	2,3,3',5,5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	39635-32-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,3 ', 4,5,5'-pentachlorobiphenyl	3,3',4,5,5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	39635-33-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4', 5,5'-hexachlorobiphenyl	2,3,3',4',5,5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	39635-34-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,5,5'-hexachlorobiphenyl	2,3,3',4,5,5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	39635-35-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5 ', 6-heptachlorobiphenyl	2,2',3,3',4,5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	40186-70-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5 ', 6,6'-octachlorobiphenyl	2,2',3,3',4,5',6,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	40186-71-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4 ', 5,5', 6-nonachlorobiphenyl	2,2',3,3',4,4',5,5',6-ﾉﾅｸﾛﾛﾋﾞﾌｪﾆﾙ	40186-72-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,5,6-hexachlorobiphenyl	2,2',3,4,5,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	41411-61-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,5,6-hexachlorobiphenyl	2,3,3',4,5,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	41411-62-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4,4 ', 5,6-hexachlorobiphenyl	2,3,4,4',5,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	41411-63-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,4', 5,6-heptachlorobiphenyl	2,3,3',4,4',5,6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	41411-64-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,5'-tetrachlorobiphenyl	2,2',3,5'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-39-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,5'-tetrachlorobiphenyl	2,2',4,5'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-40-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 5,6'-tetrachlorobiphenyl	2,2',5,6'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-41-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 5,5'-tetrachlorobiphenyl	2,3',5,5'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-42-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,3,3 ', 4'-tetrachlorobiphenyl	2,3,3',4'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-43-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4', 6-tetrachlorobiphenyl	2,3',4',6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-46-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,6'-tetrachlorobiphenyl	2,2',3,6'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-47-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,3 ', 4,5'-tetrachlorobiphenyl	3,3',4,5'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-48-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 5'-tetrachlorobiphenyl	2,3,3',5'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-49-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 5'-pentachlorobiphenyl	2,2',3,4',5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	41464-51-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4 ', 5,6'-octachlorobiphenyl	2,2',3,3',4,4',5,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	42740-50-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 5,5'-hexachlorobiphenyl	2,2',3,4',5,5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	51908-16-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4 ', 6-tetrachlorobiphenyl	2,3,4',6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-58-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4-tetrachlorobiphenyl	2,2',3,4-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-59-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 6-pentachlorobiphenyl	2,2',3,3',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-60-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,5,5'-pentachlorobiphenyl	2,2',3,5,5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-61-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4-pentachlorobiphenyl		52663-62-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,5,5', 6-hexachlorobiphenyl	2,2',3,5,5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-63-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 5,6,6'-heptachlorobiphenyl	2,2',3,3',5,6,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-64-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,6,6'-heptachlorobiphenyl	2,2',3,3',4,6,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-65-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5'-hexachlorobiphenyl	2,2',3,3',4,5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-66-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 5,5 ', 6-heptachlorobiphenyl	2,2',3,3',5,5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-67-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 5,5 ', 6-heptachlorobiphenyl	2,2',3,4',5,5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-68-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,2 ', 3,4,4', 5 ', 6-heptachlorobiphenyl	2,2',3,4,4',5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-69-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5 ', 6'-heptachlorobiphenyl	2,2',3,3',4,5',6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-70-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4 ', 6-heptachlorobiphenyl	2,2',3,3',4,4',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-71-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5,6,6'-octachlorobiphenyl	2,2',3,3',4,5,6,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-73-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5,5'-heptachlorobiphenyl	2,2',3,3',4,5,5'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-74-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5,5 ', 6'-octachlorobiphenyl	2,2',3,3',4,5,5',6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-75-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 5,5 ', 6-octachlorobiphenyl	2,2',3,4,4',5,5',6-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-76-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5,5 ', 6,6'-nonachlorobiphenyl	2,2',3,3',4,5,5',6,6'-ﾉﾅｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-77-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4 ', 5,6-octachlorobiphenyl	2,2',3,3',4,4',5,6-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-78-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,4 ', 5,6,6'-nonachlorobiphenyl	2,2',3,3',4,4',5,6,6'-ﾉﾅｸﾛﾛﾋﾞﾌｪﾆﾙ	52663-79-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 5,6-hexachlorobiphenyl	2,2',3,3',5,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	52704-70-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,5,5'-hexachlorobiphenyl	2,2',3,4,5,5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	52712-04-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,5,5', 6-heptachlorobiphenyl	2,2',3,4,5,5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	52712-05-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 5,6'-hexachlorobiphenyl	2,2',3,3',5,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	52744-13-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,4,5-trichlorobiphenyl	3,4,5-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	53555-66-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4,6-tetrachlorobiphenyl	2,3,4,6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	54230-22-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(±) -2,2 ', 3,4,6-pentachlorobiphenyl	(±)-2,2',3,4,6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	55215-17-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5-hexachlorobiphenyl	2,2',3,3',4,5-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	55215-18-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,5-pentachlorobiphenyl	2,2',3,4,5-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	55312-69-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,3,6-trichlorobiphenyl	2,3,6-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	55702-45-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4-trichlorobiphenyl	2,3,4-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	55702-46-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4-trichlorobiphenyl	2,3',4-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	55712-37-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,5-trichlorobiphenyl	2,3,5-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	55720-44-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Octachlorobiphenyl	ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	55722-26-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(±) -2,2 ', 3,4,4', 6-hexachlorobiphenyl	(±)-2,2',3,4,4',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	56030-56-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,6,6'-pentachlorobiphenyl	2,2',4,6,6'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	56558-16-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,4', 6-pentachlorobiphenyl	2,3',4,4',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	56558-17-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,5', 6-pentachlorobiphenyl	2,3',4,5',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	56558-18-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,3 ', 4,4', 5-pentachlorobiphenyl	3,3',4,4',5-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	57465-28-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 6'-hexachlorobiphenyl	2,2',3,4,4',6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	59291-64-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,4', 5 ', 6-hexachlorobiphenyl	2,3',4,4',5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	59291-65-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 5-pentachlorobiphenyl	2,2',3,3',5-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	60145-20-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,5', 6-pentachlorobiphenyl	2,2',4,5',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	60145-21-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,4', 5,6'-hexachlorobiphenyl	2,2',4,4',5,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	60145-22-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 5,6'-heptachlorobiphenyl	2,2',3,4,4',5,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	60145-23-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,6-tetrachlorobiphenyl	2,3',4,6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	60233-24-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 6'-pentachlorobiphenyl	2,2',3,4',6'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	60233-25-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,6-hexachlorobiphenyl	2,2',3,3',4,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	61798-70-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,4,4 '(or 3,4,4') - trichlorobiphenyl	2,4,4'(又は3,4,4')-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	62461-62-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,6-tetrachlorobiphenyl	2,2',4,6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	62796-65-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,4', 5'-pentachlorobiphenyl	2,3',4,4',5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	65510-44-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4'-pentachlorobiphenyl	2,2',3,4,4'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	65510-45-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,6'-tetrachlorobiphenyl	2,2',4,6'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-04-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 6-pentachlorobiphenyl	2,2',3,4',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-05-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,5,6'-pentachlorobiphenyl	2,2',4,5,6'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-06-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 5-pentachlorobiphenyl	2,2',3,4',5-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-07-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 6,6'-hexachlorobiphenyl	2,2',3,4',6,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-08-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,5,6,6'-hexachlorobiphenyl	2,2',3,5,6,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-09-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 5', 6-pentachlorobiphenyl	2,3,3',5',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-10-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4 ', 5,6-pentachlorobiphenyl	2,3,4',5,6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-11-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,5,5'-Pentachlorobiphenyl	2,3',4,5,5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-12-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 5,6-hexachlorobiphenyl	2,2',3,4',5,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-13-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,5', 6-hexachlorobiphenyl	2,2',3,4,5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-14-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,5,6'-hexachlorobiphenyl	2,2',3,4,5,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-15-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5,6-heptachlorobiphenyl	2,2',3,3',4,5,6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-16-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,3', 4,5,5 ', 6-octachlorobiphenyl	2,2',3,3',4,5,5',6-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	68194-17-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,4', 5'-hexachlorobiphenyl	2,3,3',4,4',5'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	69782-90-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,3,3 ', 4', 5,5 ', 6-heptachlorobiphenyl		69782-91-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,5'-pentachlorobiphenyl	2,3,3',4,5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	70362-41-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,6-tetrachlorobiphenyl	2,2',3,6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	70362-45-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,5-tetrachlorobiphenyl	2,2',3,5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	70362-46-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 4,5-tetrachlorobiphenyl	2,2',4,5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	70362-47-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4', 5'-tetrachlorobiphenyl	2,3',4',5'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	70362-48-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,3 ', 4,5-tetrachlorobiphenyl	3,3',4,5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	70362-49-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
3,4,4 ', 5-tetrachlorobiphenyl	3,4,4',5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	70362-50-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 5-tetrachlorobiphenyl	2,3,3',5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	70424-67-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4', 5-pentachlorobiphenyl	2,3,3',4',5-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	70424-68-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,5-pentachlorobiphenyl	2,3,3',4,5-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	70424-69-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4', 5,5'-pentachlorobiphenyl	2,3',4',5,5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	70424-70-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,5'-tetrachlorobiphenyl	2,3',4,5'-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	73575-52-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4,5-tetrachlorobiphenyl	2,3',4,5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	73575-53-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,6,6'-pentachlorobiphenyl	2,2',3,6,6'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	73575-54-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,5,6'-pentachlorobiphenyl	2,2',3,5,6'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	73575-55-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,5,6-pentachlorobiphenyl	2,2',3,5,6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	73575-56-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,6'-pentachlorobiphenyl	2,2',3,4,6'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	73575-57-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 5', 6-tetrachlorobiphenyl	2,3',5',6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	74338-23-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,3,3 ', 4-tetrachlorobiphenyl	2,3,3',4-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	74338-24-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 6-tetrachlorobiphenyl	2,3,3',6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-33-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4 ', 5-tetrachlorobiphenyl	2,3,4',5-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-34-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,6-pentachlorobiphenyl	2,3,3',4,6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-35-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 5,6-pentachlorobiphenyl	2,3,3',5,6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-36-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4,4 ', 5-pentachlorobiphenyl	2,3,4,4',5-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-37-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,4,4 ', 6-pentachlorobiphenyl	2,3,4,4',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-38-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3 ', 4', 5 ', 6-pentachlorobiphenyl	2,3',4',5',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-39-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,6,6'-hexachlorobiphenyl	2,2',3,4,6,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-40-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 5,6'-hexachlorobiphenyl	2,2',3,4',5,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-41-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,4', 6-hexachlorobiphenyl	2,3,3',4,4',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-42-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,5', 6-hexachlorobiphenyl	2,3,3',4,5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-43-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4', 5,6-hexachlorobiphenyl	2,3,3',4',5,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-44-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4', 5 ', 6-hexachlorobiphenyl	2,3,3',4',5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-45-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 5,5', 6-hexachlorobiphenyl	2,3,3',5,5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-46-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 5,6-heptachlorobiphenyl	2,2',3,4,4',5,6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-47-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 6,6'-heptachlorobiphenyl	2,2',3,4,4',6,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-48-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,5,6,6'-heptachlorobiphenyl	2,2',3,4,5,6,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-49-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,4', 5 ', 6-heptachlorobiphenyl	2,3,3',4,4',5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-50-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,3,3 ', 4,5,5', 6-heptachlorobiphenyl	2,3,3',4,5,5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-51-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 5,6,6'-octachlorobiphenyl	2,2',3,4,4',5,6,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-52-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,4', 5,5 ', 6-octachlorobiphenyl	2,3,3',4,4',5,5',6-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74472-53-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4', 5,6,6'-heptachlorobiphenyl	2,2',3,4',5,6,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	74487-85-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4', 5'-pentachlorobiphenyl	2,3,3',4',5'-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	76842-07-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4 ',? - trichlorobiphenyl	2,4',?-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	94487-00-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2, 3,? '(Or 3, 4,?') - trichlorobiphenyl	2,3,?'(又は3,4,?')-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	97122-18-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2, 4,? '(2,6,?' Or ha 3, 5,? ') - trichlorobiphenyl		97122-20-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(±) -2,2 ', 3,4,6-pentachlorobiphenyl	(±)-2,2',3,4,6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	99554-08-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(±) -2,2 ', 3,4,4', 6-hexachlorobiphenyl	(±)-2,2',3,4,4',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	99554-09-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,4,6-pentachlorobiphenyl	(+)-2,2',3,4,6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	99554-10-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(-) - 2,2 ', 3,4,6-pentachlorobiphenyl	(-)-2,2',3,4,6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	99554-11-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,4,4', 6-hexachlorobiphenyl	(+)-2,2',3,4,4',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	99554-12-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(-) - 2,2 ', 3,4,4', 6-hexachlorobiphenyl	(-)-2,2',3,4,4',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	99554-13-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,4,4', 5 (or 2,2 ', 3,4,4', 5 ') - hexachlorobiphenyl	2,2',3,4,4',5(又は2,2',3,4,4',5')-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	108145-39-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 4,4 ', 6,6'-octachlorobiphenyl	(R)-2,2',3,3',4,4',6,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	109328-45-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 4,4 ', 6,6'-octachlorobiphenyl	(S)-2,2',3,3',4,4',6,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	109328-46-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 3,6,6',? - hexachlorobiphenyl	2,2',3,6,6',?-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-74-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,4,4 ',?,? - pentachlorobiphenyl	2,4,4',?,?-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-75-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,2 ', 6',?,? - pentachlorobiphenyl	2,2',6',?,?-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-76-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 5,6',?,? - hexachlorobiphenyl	2,2',5,6',?,?-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-77-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,?,? - trichlorobiphenyl	2,?,?-ﾄﾘｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-78-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
4, 4 ',?,?,?,? - hexachlorobiphenyl	4,4',?,?,?,?-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-79-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 5,6',?,?,? - heptachlorobiphenyl	2,2',5,6',?,?,?-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-80-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
4, 4 ',?,?,? - pentachlorobiphenyl	4,4',?,?,?-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-81-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,3,3 ', 4,4', 5,5 ',? - octachlorobiphenyl	2,3,3',4,4',5,5',?-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-82-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
2,2 ', 5,6',?,?,?,? - octachlorobiphenyl	2,2',5,6',?,?,?,?-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	111276-83-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,6-tetrachlorobiphenyl	(+)-2,2',3,6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	151262-31-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(-) - 2,2 ', 3,6-tetrachlorobiphenyl	(-)-2,2',3,6-ﾃﾄﾗｸﾛﾛﾋﾞﾌｪﾆﾙ	151262-32-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,5', 6-pentachlorobiphenyl	(+)-2,2',3,5',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	151262-34-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(-) - 2,2 ', 3,5', 6-pentachlorobiphenyl	(-)-2,2',3,5',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	151262-35-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 6-pentachlorobiphenyl	(S)-2,2',3,3',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	153153-43-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 6-pentachlorobiphenyl	(R)-2,2',3,3',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	153153-44-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,4', 6-pentachlorobiphenyl	(S)-2,2',3,4',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	153153-45-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,4', 6-pentachlorobiphenyl	(R)-2,2',3,4',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	153153-46-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 4,6'-hexachlorobiphenyl	(S)-2,2',3,3',4,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	153153-47-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 4,6'-hexachlorobiphenyl	(R)-2,2',3,3',4,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	153153-48-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 6,6'-hexachlorobiphenyl	(S)-2,2',3,3',6,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	153153-49-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(R) -2,2 ', 3,3', 6,6'-hexachlorobiphenyl	(R)-2,2',3,3',6,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	153153-50-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,4', 5 ', 6-hexachlorobiphenyl	(R)-2,2',3,4',5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	159000-96-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,4', 5 ', 6-hexachlorobiphenyl	(S)-2,2',3,4',5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	159000-97-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 4,4 ', 6-heptachlorobiphenyl	(R)-2,2',3,3',4,4',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	176914-46-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,4,4', 5 ', 6-heptachlorobiphenyl	(R)-2,2',3,4,4',5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	176914-47-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 4,4 ', 6-heptachlorobiphenyl	(S)-2,2',3,3',4,4',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	176914-48-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,4,4', 5 ', 6-heptachlorobiphenyl	(S)-2,2',3,4,4',5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	176914-49-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 4,4 ', 5,6'-octachlorobiphenyl	(R)-2,2',3,3',4,4',5,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	177020-15-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 4,4 ', 5,6'-octachlorobiphenyl	(S)-2,2',3,3',4,4',5,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	177020-16-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 4,6-hexachlorobiphenyl	(R)-2,2',3,3',4,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	179678-26-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 4,6-hexachlorobiphenyl	(S)-2,2',3,3',4,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	179678-27-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 4,5,6'-heptachlorobiphenyl	(R)-2,2',3,3',4,5,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	179678-28-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 4,5,6'-heptachlorobiphenyl	(S)-2,2',3,3',4,5,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	179678-29-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 4,5 ', 6-heptachlorobiphenyl	(R)-2,2',3,3',4,5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	179678-30-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 4,5 ', 6-heptachlorobiphenyl	(S)-2,2',3,3',4,5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	179678-31-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 4,6,6'-heptachlorobiphenyl	(R)-2,2',3,3',4,6,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	179678-32-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 4,6,6'-heptachlorobiphenyl	(S)-2,2',3,3',4,6,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	179678-33-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(R) -2,2 ', 3,3', 5,6'-hexachlorobiphenyl	(R)-2,2',3,3',5,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	205991-67-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,3', 5,6'-hexachlorobiphenyl	(S)-2,2',3,3',5,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	205991-68-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(R) -2,2 ', 3,4,5', 6-hexachlorobiphenyl	(R)-2,2',3,4,5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	205991-69-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(S) -2,2 ', 3,4,5', 6-hexachlorobiphenyl	(S)-2,2',3,4,5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	205991-70-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,3', 6-pentachlorobiphenyl	(+)-2,2',3,3',6-ﾍﾟﾝﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	207004-27-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,3', 4,6'-hexachlorobiphenyl	(+)-2,2',3,3',4,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	207004-28-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(-) - 2,2 ', 3,3', 5,6'-hexachlorobiphenyl	(-)-2,2',3,3',5,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	207004-29-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,3', 6,6'-hexachlorobiphenyl	(+)-2,2',3,3',6,6'-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	207004-30-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(-) - 2,2 ', 3,3', 4,5,6'-heptachlorobiphenyl	(-)-2,2',3,3',4,5,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	207004-31-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,3', 4,6,6'-heptachlorobiphenyl	(+)-2,2',3,3',4,6,6'-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	207004-32-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,3', 4,6-hexachlorobiphenyl	(+)-2,2',3,3',4,6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	207004-33-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,3', 4,5 ', 6-heptachlorobiphenyl	(+)-2,2',3,3',4,5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	207004-34-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,3', 4,4 ', 5,6'-octachlorobiphenyl	(+)-2,2',3,3',4,4',5,6'-ｵｸﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	207004-35-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,4', 5 ', 6-hexachlorobiphenyl		207004-36-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,4,5', 6-hexachlorobiphenyl	(+)-2,2',3,4,5',6-ﾍｷｻｸﾛﾛﾋﾞﾌｪﾆﾙ	228420-06-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
(+) - 2,2 ', 3,4,4', 5 ', 6-heptachlorobiphenyl	(+)-2,2',3,4,4',5',6-ﾍﾌﾟﾀｸﾛﾛﾋﾞﾌｪﾆﾙ	228420-07-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	●							●					●				●
Polychlorinated naphthalenes, all members	ﾎﾟﾘ塩化ﾅﾌﾀﾚﾝ、全て		Prohibited			●																
Naphthalene, chloro derivatives	ﾎﾟﾘ塩化ﾅﾌﾀﾚﾝ	70776-03-3	Prohibited	All applications and products	Intentionally added	●	●						●					●				
Naphthalene, trichloro-	ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	1321-65-9	Prohibited	All applications and products	Intentionally added	●							●					●		●		
Pentachloronaphthalene	ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	1321-64-8	Prohibited	All applications and products	Intentionally added	●							●					●		●		
Polychlorinated terphenyls (PCT), all members	ﾎﾟﾘ塩化ﾀｰﾌｪﾆﾙ類(PCT)、全て		Prohibited			●																
Terphenyl, chlorinated	ﾎﾟﾘ塩化ﾀｰﾌｪﾆﾙ(PCT)	61788-33-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 10	●	●		●													
Polycyclic aromatic hydrocarbons (PAH; PCAH), selected	多環芳香族炭化水素（PAH；PCAH）、抜粋		Reduced			●																
Anthracene	ｱﾝﾄﾗｾﾝ	120-12-7	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	●		●													●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benz[a]anthracene	ﾍﾞﾝｿﾞｱﾝﾄﾗｾﾝ	56-55-3	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	●	●	●	●										●		●	
Benz[e]acephenanthrylene	ﾍﾞﾝｿﾞｱｾﾌｪﾅﾝﾃﾝ	205-99-2	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	●	●		●									●	●		●	
Benzo[a]pyrene	ﾍﾞﾝｿﾞﾋﾟﾚﾝ	50-32-8	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	●	●	●	●									●	●		●	
Benzo[e]pyrene	ﾍﾞﾝｿﾞﾋﾟﾚﾝ	192-97-2	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	●	●		●										●			
Benzo[ghi]perylene		191-24-2	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	●	●	●														
Benzo[j]fluoranthene	ﾍﾞﾝｿﾞﾌﾙｵﾗﾝﾃﾝ	205-82-3	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	●	●		●										●		●	
Benzo[k]fluoranthene	ﾍﾞﾝｿﾞﾌﾙｵﾗﾝﾃﾝ	207-08-9	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	●	●	●	●									●	●		●	
Chrysene	ｸﾘｾﾝ	218-01-9	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	●	●	●	●										●		●	
Dibenz[a,h]anthracene	ｼﾞﾍﾞﾝｿﾞｱﾝﾄﾗｾﾝ	53-70-3	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	●	●		●										●		●	
Fluoranthene		206-44-0	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	●	●															
Naphthalene	ﾅﾌﾀﾚﾝ	91-20-3	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	●															●	
Phenanthrene	ﾌｪﾅﾝﾄﾚﾝ	85-01-8	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	●	●	●														
Pyrene		129-00-0	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	●	●	●														
1,3-Propanesultone		1120-71-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●													●	
2-Propanone, reaction products with diphenylamine (PREPOD)		68412-48-6	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●																
Pyrrolidones, selected	ピロリドン類、抜粋					●																
1-Methylpyrrolidin-2-one (2-Pyrrolidinone, 1-methyl) (NMP)	N-ﾒﾁﾙ-2-ﾋﾟﾛﾘﾄﾞﾝ	872-50-4	Prohibited	Paint solvents contained in leather and ink Textile products, other than clothing, that come into contact with human skin	Textile products, other than clothing, in contact with human skin 3000	●		●	●										●		●	
N-Ethyl-2-pyrrolidone (NEP)		2687-91-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides; Alkyl (C12-16) dimethylbenzyl ammonium chloride; C12-16-ADBAC;	塩化ﾍﾞﾝｼﾞﾙ[ｱﾙｷﾙ(C12～16)]ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ化合物	68424-85-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite		71011-24-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with hectorite		71011-26-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides;	塩化ﾋﾞｽ(水素化牛脂)ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ化合物	61789-80-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite		68953-58-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	塩化ｼﾞｱﾙｷﾙｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑ化合物	61789-77-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Resin acids and Rosin acids, calcium salts		9007-13-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Resin acids and Rosin acids, sodium salts		61790-51-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol	水添ﾛｼﾞﾝ･ﾚｼﾞﾝのﾍﾟﾝﾀｴﾘﾄﾘﾄｰﾙのｴｽﾃﾙ	64365-17-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Resin acids and Rosin acids, hydrogenated, esters with glycerol	水素化ﾛｼﾞﾝ酸･ﾚｼﾞﾝ酸とｸﾞﾘｾﾛｰﾙのｴｽﾃﾙ	65997-13-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Resin acids and Rosin acids, hydrogenated, methyl esters		8050-15-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Radioactive substances (including scrap metal contaminants), all members	放射性物質（金属くずの汚染物質を含む）、全て		Prohibited			●																
Plutonium	ﾌﾟﾙﾄﾆｳﾑ	7440-07-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●																
Radium	ﾗｼﾞｳﾑ	7440-14-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●																
Thorium	ﾄﾘｳﾑ	7440-29-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●	●															
Thorium Dioxide	二酸化ﾄﾘｳﾑ	1314-20-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●															●	
Uranium	ｳﾗﾆｳﾑ	7440-61-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●	●															
Uranium Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●																
Radon	ﾗﾄﾞﾝ	10043-92-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●	●															
Americium-241		14596-10-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●	●															
Cesium-137		10045-97-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●	●															
Strontium-90		10098-97-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	●	●															
Selenium and its compounds, all members	セレンおよびその化合物、全て		Observation			●																
Arsenic selenide (As2Se3)	三ｾﾚﾝ化二ﾋ素	1303-36-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Barium selenite	亜ｾﾚﾝ酸ﾊﾞﾘｳﾑ	13718-59-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Beryllium selenide (BeSe)	ｾﾚﾝ化ﾍﾞﾘﾘｳﾑ (BeSe)	12232-25-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Bis(ethylselenyl)diiron tetranitrosyl (6CI)		15025-89-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
C.I. Pigment Orange 20 (Cadmium sulfoselenide orange)	ﾋﾟｸﾞﾒﾝﾄｵﾚﾝｼﾞ20	12656-57-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
C.I. Pigment Red 108 Cadmium sulfoselenide red	ｶﾄﾞﾐｳﾑ赤	58339-34-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide (CdSe)	ｾﾚﾝ化ｶﾄﾞﾐｳﾑ	1306-24-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑｱﾙﾐﾆｳﾑと銅ﾄﾞｰﾌﾟ塗料	101357-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑ銅とﾏﾝｶﾞﾝﾄﾞｰﾌﾟ塗料	101357-01-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑﾕｰﾛﾋﾟｳﾑﾄﾞｰﾌﾟ塗料	101357-02-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑ金とﾏﾝｶﾞﾝﾄﾞｰﾌﾟ塗料	101357-03-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped	亜硫酸ｶﾄﾞﾐｳﾑ、亜ｾﾚﾝ酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑﾏﾝｶﾞﾝと銀ﾄﾞｰﾌﾟ塗料	101357-04-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide sulfide (Cd(Se,S))	硫ｾﾚﾝ化ｶﾄﾞﾐｳﾑ	12626-36-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide sulfide (Cd2SeS)	硫ｾﾚﾝ化ｶﾄﾞﾐｳﾑ	12214-12-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide sulfide (CdSe0.53S0.47)	硫ｾﾚﾝ化ｶﾄﾞﾐｳﾑ (CdSe0.53S0.47)	71243-75-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide sulfide, (Cd2SeS)	硫ｾﾚﾝ化ｶﾄﾞﾐｳﾑ, (Cd2SeS)	12213-70-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cadmium selenide sulphide	硫化ｾﾚﾝｶﾄﾞﾐｳﾑ	11112-63-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Cobalt selenide (CoSe)	ｾﾚﾝ化ｺﾊﾞﾙﾄ	1307-99-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Cobalt(2+) selenite	亜ｾﾚﾝ酸ｺﾊﾞﾙﾄ	10026-23-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Dimethylselenide		593-79-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Hydrogen selenide	ｾﾚﾝ化水素	7783-07-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Iron selenide	ｾﾚﾝ化鉄	1310-32-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Lead selenate	ｾﾚﾝ酸鉛(Ⅱ)	7446-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Lead selenide (PbSe)	ｾﾚﾝ化鉛(Ⅱ)	12069-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●		●													
Lead selenite	亜ｾﾚﾝ化鉛	7488-51-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Mercury selenide (HgSe)	ｾﾚﾝ化水銀(Ⅱ)	20601-83-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Nickel selenate	ｾﾚﾝ酸ﾆｯｹﾙ(Ⅱ)	15060-62-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Nickel selenide	ｾﾚﾝ化ﾆｯｹﾙ(Ⅱ)	1314-05-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Nickel(2+) selenite	ｾﾚﾝ酸ﾆｯｹﾙ(II)	10101-96-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Selenic acid	ｾﾚﾝ酸	7783-08-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

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Selenic acid, cadmium salt (1:1)	ｾﾚﾝ酸ｶﾄﾞﾐｳﾑ	13814-62-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Selenic acid, cobalt(2+) salt (1:1)	ｾﾚﾝ酸ｺﾊﾞﾙﾄ(Ⅱ)	14590-19-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Selenious acid	亜ｾﾚﾝ酸	7783-00-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Selenious acid, cadmium salt (1:1)	亜ｾﾚﾝ酸ｶﾄﾞﾐｳﾑ(1:1)	13814-59-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													
Selenium	ｾﾚﾝ	7782-49-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Selenium dioxide	二酸化ｾﾚﾝ	7446-08-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Selenium hexafluoride	ﾌｧ化ｾﾚﾝ(VI)	7783-79-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Selenium oxide	二酸化ｾﾚﾝ	12640-89-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Selenium sulfide		7446-34-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Sodium-selenite		10102-18-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Thallium selenide (Tl2Se)	ｾﾚﾝ化ﾀﾘｳﾑ(Ⅰ)	15572-25-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Thallium(I) selenide	ｾﾚﾝ化ﾀﾘｳﾑ(Ⅰ)	12039-52-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Zinc selenide	ｾﾚﾝ化亜鉛	1315-09-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Silica, crystalline	結晶性ｼﾘｶ	14808-60-7	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●																
Sodium azide	ｱｼﾞ化ﾅﾄﾘｳﾑ	26628-22-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Styrene (Vinyl benzene)	ｽﾁﾚﾝ (ﾋﾞﾆﾙﾍﾞﾝｾﾞﾝ)	100-42-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Styrene oxide (Epoxy styrene)	酸化ｽﾁﾚﾝ(ｴﾎﾟｷｼｽﾁﾚﾝ)	96-09-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
Sulfonic acids, C10-18-alkane, phenyl esters		70775-94-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Sulfonic acids, petroleum, calcium salts, overbased		68783-96-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Sulfonic acids, petroleum, barium salts		61790-48-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Sulfonic acids, petroleum, calcium salts		61789-86-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Sulfonic acids, petroleum, magnesium salts		61789-87-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sulfonic acids, petroleum, sodium salts		68608-26-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
4,4'-sulphonylbis[2,6-dibromophenol],Tetrabromobisphenol S, (TBBPS)		39635-79-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
4,4'-sulphonyldiphenol		80-09-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●												●		
Sulfur hexafluoride	六ﾌｯ化硫黄	2551-62-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●															
Tall Oil		8002-26-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Tall oil pitch		8016-81-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Terphenyl, hydrogenated		61788-32-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●							●							
1,4-dicyclohexylbenzene		1087-02-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,1'-Biphenyl, 3-cyclohexyl-		1973-15-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,1'-Biphenyl, 4-cyclohexyl-		3842-58-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
[1,1'-bicyclohexyl]-4-ylbenzene		20273-27-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Cyclohexyl-1,1'-biphenyl		27985-87-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Tercyclohexyl		35860-22-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
4-tert-Butylphenol		98-54-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1	1,4,5,8-ﾃﾄﾗｱﾐﾉｱﾝﾄﾗｷﾉﾝ; C.I. ｼﾞｽﾊﾟｰｽﾌﾞﾙｰ1	2475-45-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
Tetrabromobisphenol A （TBBPA)	ﾃﾄﾗﾌﾞﾛﾓﾋﾞｽﾌｪﾉｰﾙA (TBBPA)	79-94-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●														●	
Tetrachlorobenzene, all members	ﾃﾄﾗｸﾛﾛﾍﾞﾝｾﾞﾝ、全て		Prohibited			●																
1,2,3,4-tetrachlorobenzene	1,2,3,4-ﾃﾄﾗｸﾛﾛﾍﾞﾝｾﾞﾝ	634-66-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●														●		
1,2,3,5-Tetrachlorobenzene (Benzene, 1,2,3,5-tetrachloro-)	1,2,3,5-ﾃﾄﾗｸﾛﾛﾍﾞﾝｾﾞﾝ	634-90-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●														●		
Benzene, tetrachloro-	ﾃﾄﾗｸﾛﾛﾍﾞﾝｾﾞﾝ	12408-10-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●														●		
1,2,4,5- tetrachlorobenzene	1,2,4,5-ﾃﾄﾗｸﾛﾛﾍﾞﾝｾﾞﾝ	95-94-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●														●		
Tetrafluoro-methane	ﾃﾄﾗﾌﾙｵﾛﾒﾀﾝ	75-73-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●	●															

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
N,N,N',N'-Tetramethyl-4,4'-methylenedianiline		101-61-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●												●		●	
Tetraphenyl m-phenylene bis(phosphate)		57583-54-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Thallium		7440-28-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Thioperoxydicarbonic diamide ([(H2N)C(S)]2S2), tetramethyl-; Thiram; Tetramethylthiuram disulphide;	ﾃﾄﾗﾒﾁﾙﾁｳﾗﾑｼﾞｽﾙﾌｨﾄﾞ (別名ﾁｳﾗﾑ又はﾁﾗﾑ)	137-26-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
Thiourea; thiocarbamide		62-56-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Toluene	ﾄﾙｴﾝ	108-88-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●			●													●	
o-Toluidine generating substances, selected	o-トルイジン生成物質、抜粋		Observation			●																	
1,3-Di-o-tolylguanidine, DOTG		97-39-2	Observation	All applications and products	Relative to the weight of component parts and materials 15000	●																	
2,4,6-Triallyloxy-1,3,5-triazine		101-37-1	Observation	All applications and products	Relative to the weight of component parts and materials 15000	●																	
Trichlorophenol and its salts, all members	ﾄﾘｸﾛﾛﾌｪﾉｰﾙおよびその塩、全て		Observation			●																	
2,4,5 -Trichlorophenol	2,4,5-ﾄﾘｸﾛﾛﾌｪﾉｰﾙ	95-95-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																	
2,4,6 -Trichlorophenol	2,4,6-ﾄﾘｸﾛﾛﾌｪﾉｰﾙ	88-06-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Trichloropropane (1,2,3 - Trichloropropane)	ﾄﾘｸﾛﾛﾌﾟﾛﾊﾟﾝ (1､2､3 - ﾄﾘｸﾛﾛﾌﾟﾛﾊﾟﾝ)	96-18-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●												●		●	
S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate		255881-94-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
Trimethylphosphate	ﾘﾝ酸ﾄﾘﾒﾁﾙ	512-56-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●	
Triorganotin compounds, all members	ﾄﾘ有機ｽｽﾞ化合物、全て		Prohibited			●																	
(2-BIPHENYLOXY)TRIBUTYLTIN	(2-ﾋﾞﾌｪﾆﾙｵｷｼ)ﾄﾘﾌﾞﾁﾙｽｽﾞ	3644-37-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																	
(Chloroacetoxy)triphenylstannane	[(ｸﾛﾛｱｾﾁﾙ)ｵｷｼ]ﾄﾘﾌｪﾆﾙ] ｽｽﾞ	7094-94-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●									
[1R-(1.alpha.,4a.beta.,4b.alpha.,10a.alpha.)]-Tributyl[[[1,2,3,4,4a,4b,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-	ﾄﾘﾌﾞﾁﾙｽｽﾞ＝1,2,3,4,4a,4b,5,6,10,10a-ﾃﾞｶﾋﾄﾞﾛｰ7-ｲｿﾌﾟﾛﾋﾟﾙ-1,4a-ｼﾞﾒﾁﾙ-1-ﾌｪﾅﾝﾄﾚﾝｶﾙﾎﾞｷｼﾗｰﾄ	26239-64-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●									
1,3,5-TRIS(TRIBUTYLTIN)-S-TRIAZINE-2,4,6-TRIONE	1,3, 5-ﾄﾘｽ(ﾄﾘﾌﾞﾁﾙｽｽﾞ)-S-ﾄﾘｱｼﾞﾝ-2,4, 6-ﾄﾘｵﾝ	752-58-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																	
2-BUTENOIC ACID, 4-OXO-4-[(TRIBUTYLSTANNYL)OXY]-	4-ｵｷｿ-4-ﾄﾘﾌﾞﾁﾙｽﾀﾝﾆﾙｵｷｼ-2-ﾌﾞﾃﾝ酸	4027-18-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																	
BIS(TRIBUTYLTIN) ITACONATE	ﾋﾞｽﾄﾘﾌﾞﾁﾙｽｽﾞｲﾀｺﾝ酸	25711-26-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bis(tributyltin)oxide	ﾋﾞｽﾄﾘﾌﾞﾁﾙｽｽﾞｵｷｻｲﾄﾞ	56-35-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●	●					●									
Bis(tris(2-methyl-2-phenylpropyl)tin) oxide		13356-08-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Bis(tributyltin) maleate	ﾋﾞｽﾄﾘﾌﾞﾁﾙｽｽﾞﾏﾚｱｰﾄ	14275-57-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Bis(tributyltin)phthalate	ﾋﾞｽﾄﾘﾌﾞﾁﾙｽｽﾞﾌﾀﾗｰﾄ	4782-29-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Bis(tributylstannyl)Fumarate	ﾋﾞｽﾄﾘﾌﾞﾁﾙｽｽﾞﾌﾏﾗｰﾄ	6454-35-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Bromotrimethylstannane	ﾄﾘﾒﾁﾙｽｽﾞﾌﾞﾛﾐﾄﾞ	1066-44-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
P-NITROPHENOXYTRIBUTYLTIN	p-ﾆﾄﾛﾌｪﾉｷｼﾄﾘﾌﾞﾁﾙｽｽﾞ	3644-32-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Stannane, acetoxytriphenyl-	ﾄﾘﾌｪﾆﾙｽｽﾞ=ｱｾﾀｰﾄ	900-95-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Stannane, bromotriethyl-	ﾄﾘｴﾁﾙｽｽﾞﾌﾞﾛﾐﾄﾞ	2767-54-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Stannane, fluorotriphenyl-	ﾄﾘﾌｪﾆﾙｽｽﾞ=ﾌﾙｵﾘﾄﾞ	379-52-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Stannane, tributylfluoro-	ﾄﾘﾌﾞﾁﾙｽｽﾞ=ﾌﾙｵﾘﾄﾞ	1983-10-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Tributyl(lauroyloxy)stannane	ﾄﾘﾌﾞﾁﾙｽｽﾞ=ﾗｳﾚｰﾄ	3090-36-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Tributyl(neodecanoyloxy)stannane	ﾄﾘﾌﾞﾁﾙﾈｵﾃﾞｶﾉｲﾙｵｷｼｽｽﾞ	28801-69-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyl(oleoyloxy)stannane	ﾄﾘﾌﾞﾁﾙ[(1-ｵｷｿ-9Z-ｵｸﾀﾃﾞｾﾆﾙ)ｵｷｼ]ｽﾀﾝﾅﾝ	3090-35-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin	ﾄﾘﾌﾞﾁﾙｽｽﾞ	56573-85-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin (and salts and esters)	水素化ﾄﾘ-n-ﾌﾞﾁﾙ錫	688-73-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin .alpha.-(2,4,5-trichlorophenoxy) propionate	α-(2,4,5-ﾄﾘｸﾛﾛﾌｪﾉｷｼ)ﾌﾟﾛﾋﾟｵﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	73940-89-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin .beta.-iodopropionate	β-ﾖｳｲ化ﾌﾟﾛﾋﾟｵﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	73927-95-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
TRIBUTYLTIN 2-ETHYLHEXANOATE	2-ｴﾁﾙﾍｷｻﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	5035-67-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tributyltin acetate	ﾄﾘﾌﾞﾁﾙｽｽﾞ＝ｱｾﾃｰﾄ	56-36-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Tributyltin Acrylate	酢酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	13331-52-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin benzoate	ﾄﾘﾌﾞﾁﾙｽｽﾞ ﾍﾞﾝｿﾞｴｰﾄ	4342-36-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin bromide	ﾄﾘﾌﾞﾁﾙ錫ﾌﾞﾛﾐﾄﾞ	1461-23-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin chloride	ﾄﾘﾌﾞﾁﾙｽｽﾞｸﾛﾘﾄﾞ	1461-22-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
TRIBUTYLTIN CHLOROACETATE	塩化酢酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	5847-52-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin cinnamate	ﾄﾘﾌﾞﾁﾙ[(1-ｵｷｿ-3-ﾌｪﾆﾙ-2-ﾌﾟﾛﾍﾟﾆﾙ)ｵｷｼ]ｽﾀﾝﾅﾝ	27147-18-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
TRIBUTYLTIN CYANATE	ｼｱﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	4027-17-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
TRIBUTYLTIN CYANIDE	ﾄﾘﾌﾞﾁﾙｽｽﾞｼｱﾅﾐﾄﾞ	2179-92-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin dimethyldithiocarbamate	ｼﾞﾒﾁﾙｼﾞﾁｵｶﾙﾊﾞﾐﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	20369-63-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
TRIBUTYLTIN GAMMA-CHLOROBUTYRATE	γ-ｸﾛﾛﾌﾞﾁﾚﾝﾄﾘﾌﾞﾁﾙｽｽﾞ	33550-22-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin hydroxide	水酸化ﾄﾘﾌﾞﾁﾙｽｽﾞ	1067-97-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin iodide	ﾄﾘﾌﾞﾁﾙ錫ﾖｰｼﾞﾄﾞ	7342-47-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin iodoacetate	ﾖｳ化酢酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	73927-91-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin isooctylthioacetate	ｲｿｵｸﾁﾙﾁｵ酢酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	73927-97-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
TRIBUTYLTIN ISOPROPYLSUCCINATE	ｲｿﾌﾟﾛﾋﾟﾙｺｳｸｼﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	53404-82-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin isothiocyanate	ｲｿﾁｵｼｱﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	681-99-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin linoleate	ﾘﾉｰﾙ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	24124-25-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin methacrylate	ﾒﾀｸﾘﾙ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	2155-70-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●							●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
TRIBUTYLTIN METHANESULPHONATE	ﾒﾀﾝｽﾙﾎﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	13302-06-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin methoxide	ﾄﾘﾌﾞﾁﾙｽｽﾞﾒﾄｷｼﾄﾞ	1067-52-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin monopropylene glycol maleate	ﾌﾟﾛﾋﾟﾚﾝｸﾞﾘｺｰﾙﾄﾘﾌﾞﾁﾙｽｽﾞﾏﾚｲﾝ酸塩	53466-85-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
TRIBUTYLTIN NAPHTHENATE	ﾅﾌﾃﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	36631-23-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin naphthenate	ﾅﾌﾃﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	85409-17-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Tributyltin nonanoate	ﾉﾅﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	4027-14-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
TRIBUTYLTIN O-IODOBENZOATE	o-ヨウ化安息香酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	73927-93-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
TRIBUTYLTIN P-IODOBEMZOATE	p-ヨウ化安息香酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	73940-88-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tributyltin sulfamate	ｽﾙﾌｧﾐﾝ酸ﾄﾘﾌﾞﾁﾙｽｽﾞ	6517-25-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
TRIBUTYLTIN UNDECYLENATE	ｳﾝﾃﾞｼﾚﾝﾄﾘﾌﾞﾁﾙｽｽﾞ	69226-47-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
1-(Tricyclohexylstannyl)-1H-1,2,4-triazole		41083-11-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Triethyltin acetate	酢酸ﾄﾘｴﾁﾙｽｽﾞ	1907-13-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Triethyltin chloride	塩化ﾄﾘｴﾁﾙｽｽﾞ	994-31-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Triethyltin hydroxide	水酸化ﾄﾘｴﾁﾙｽｽﾞ	994-32-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Triethyltin iodide	ヨウ化ﾄﾘｴﾁﾙｽｽﾞ	2943-86-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Triethyltin phenoxide	ﾄﾘｴﾁﾙｽｽﾞﾌｪﾉｷｼﾄﾞ	1529-30-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Trimethyltin acetate	酢酸ﾄﾘﾒﾁﾙｽｽﾞ	1118-14-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Trimethyltin azide	ｱｼﾞ化ﾄﾘﾒﾁﾙｽｽﾞ	1118-03-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Trimethyltin chloride	塩化ﾄﾘﾒﾁﾙｽｽﾞ	1066-45-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Trimethyltin hydroxide	水酸化ﾄﾘﾒﾁﾙｽｽﾞ	56-24-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Trimethyltin iodide	ﾖｳ化ﾄﾘﾒﾁﾙｽｽﾞ	811-73-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Trimethyltin sulphate	硫酸ﾄﾘﾒﾁﾙｽｽﾞ	63869-87-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Trimethyltin thiocyanate	ﾁｵｼｱﾝ酸ﾄﾘﾒﾁﾙｽｽﾞ	4638-25-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tri-n-butyl tin salicylate	ｻﾘﾁﾙ酸ﾄﾘ-n-ﾌﾞﾁﾙｽｽﾞ	4342-30-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Triphenylstannyl decanoate	ﾄﾘﾌｪﾆﾙｽﾀﾝﾆﾙﾃﾞｶﾉｱｰﾄ	47672-31-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Triphenyl tin chloride	ﾄﾘﾌｪﾆﾙｽｽﾞ＝ｸﾛﾘﾄﾞ	639-58-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Triphenyltin dimethyldithiocarbamate	ﾄﾘﾌｪﾆﾙｽｽﾞ＝N,N-ｼﾞﾒﾁﾙｼﾞﾁｵｶﾙﾊﾞﾒｰﾄ	1803-12-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Triphenyltin hydride	水素化ﾄﾘﾌｪﾆﾙｽｽﾞ	892-20-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Triphenyltin hydroxide	水酸化ﾄﾘﾌｪﾆﾙｽｽﾞｵｷｼﾄﾞ	76-87-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●							●	
Triphenyltin iodide	ﾖｳ化ﾄﾘﾌｪﾆﾙｽｽﾞ	894-09-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tripropyltin acetate	酢酸ﾄﾘﾌﾟﾛﾋﾟﾙｽｽﾞ	3267-78-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tripropyltin bromide	臭化ﾄﾘﾌﾟﾛﾋﾟﾙｽｽﾞ	2767-61-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tripropyltin chloride	ｸﾛﾛ(ﾄﾘﾌﾟﾛﾊﾟﾝ-1-ｲﾙ)ｽﾀﾝﾅﾝ	2279-76-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tripropyltin iodide	ﾖｳ化ﾄﾘﾌﾟﾛﾋﾟﾙｽｽﾞ	7342-45-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tripropyltin iodoacetate	ﾖｳ化酢酸ﾄﾘﾌﾟﾛﾋﾟﾙｽｽﾞ	73927-92-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tripropyltin laurate	乳酸ﾄﾘﾌﾟﾛﾋﾟﾙｽｽﾞ	57808-37-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tripropyltin methacrylate	ﾒﾀｸﾘﾙ酸ﾄﾘﾌﾟﾛﾋﾟﾙｽｽﾞ	4154-35-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tricyclohexyl Tin Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Triethyl Tin Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Trihexyl Tin Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Trimethyl Tin Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Trioctyl Tin Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tripentyl Tin Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Triphenyl Tin Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Tripropyl Tin Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●																
Triphenyltin fattyacid((9-11)salt)		18380-71-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Triphenyltin fattyacid((9-11)salt)		18380-72-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Triphenyltin fattyacid((9-11)salt)		94850-90-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Bis(tributyltin)2,3-dibromosuccinate	ﾋﾞｽ(ﾄﾘﾌﾞﾁﾙｽｽﾞ)=2,3-ｼﾞﾌﾞﾛﾓｽｸｼﾅｰﾄ	31732-71-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Copolymer of alkyl(c=8) acrylate,methyl methacrylate and tributyltin methacrylate	ｱﾙｷﾙ=ｱｸﾘﾚｰﾄ、ﾒﾁﾙ=ﾒﾀｸﾘﾚｰﾄ、およびﾄﾘﾌﾞﾁﾙｽｽﾞ=ﾒﾀｸﾘﾚｰﾄの共重合物(ｱﾙｷﾙ;C=8)	67772-01-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●							●								
Tributyltinchloride		7342-38-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●	●															
Bis(tributan-1-ylstannyl) but-2-enedioate		24291-45-0	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●								●								
Bis(tributan-1-ylstannyl) 2,3-dibromosuccinate		56323-17-2	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	●								●								
Triphenylphosphate	ﾘﾝ酸ﾄﾘﾌｪﾆﾙ	115-86-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione		2451-62-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
Tris(1,3-dichloro-2-propyl)phosphate	ﾘﾝ酸ﾄﾘｽ(1,3-ｼﾞｸﾛﾛ-2-ﾌﾟﾛﾋﾟﾙ)	13674-87-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Tris-(1-aziridinyl) phosphine oxide	ﾄﾘｽ-(1-ｱｼﾞﾘｼﾞﾆﾙ)ﾎｽﾌｨﾝｵｷｼﾄﾞ	545-55-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●			●													

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tris(2-chloro-1-methylethyl) phosphate	ﾘﾝ酸ﾄﾘｽ(1-ﾒﾁﾙ-2-ｸﾛﾛｴﾁﾙ)	13674-84-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●	●															
Tetrakis(2-chloroethyl)dichloroisopentyldiphosphate		38051-10-4	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●	●															
Tris(2,3-dichloro-1-propyl)phosphate		66108-37-0	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	●	●															
Tris(2,3-dibromopropyl)phosphate (TRIS)	ﾘﾝ酸ﾄﾘｽ(2､3-ｼﾞﾌﾞﾛﾓﾌﾟﾛﾋﾟﾙ) (TRIS)	126-72-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	●			●												●	
Tris(2-chloroethyl)phosphate	ﾘﾝ酸ﾄﾘｽ(2-ｸﾛﾛｴﾁﾙ)	115-96-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●											●	
Tris(2-ethylhexyl)-benzene-1,2,4-tricarboxylate		3319-31-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Tris(methylphenyl) phosphate		1330-78-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Tris(nonylphenyl) phosphite (TNPP)		26523-78-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Trixylyl phosphate	ﾘﾝ酸ﾄﾘｽ(ｼﾞﾒﾁﾙﾌｪﾆﾙ)	25155-23-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●		●												
UVCB-Diamines, all members	UVCB 物質、全て		Observation			●																
Amines, N-C16-18-alkyl (evennumbered) propane-1,3-diamine		133779-11-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Vanadium pentoxide (orthorhombic crystalline form)		1314-62-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●															●	
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)		4259-15-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(14) [Aliphatic/alicyclic brominated compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(15) [Aliphatic/alicyclic brominated compounds in combination with antimony compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(16) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls)]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(17) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls) in combination with antimony compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(22) [Aliphatic/alicyclic chlorinated and brominated compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(42) [Brominated organic phosphorus compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Poly(2,6-dibromo-phenylene oxide)	ﾎﾟﾘ(2,6-ｼﾞﾌﾞﾛﾓﾌｪﾆﾚﾝｵｷｼﾄﾞ)	69882-11-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tetra-decabromo-diphenoxy-benzene		58965-66-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
1,2-Bis(2,4,6-tribromo-phenoxy) ethane		37853-59-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●	●															
TBBA, unspecified		30496-13-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBA-epichlorhydrin oligomer		40039-93-8	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBA-TBBA-diglycidyl-ether oligomer		70682-74-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBA carbonate oligomer	TBBA(炭酸ｴｽﾃﾙ)	28906-13-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBA carbonate oligomer, phenoxy end capped		94334-64-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBA carbonate oligomer, 2,4,6-tribromo-phenol terminated		71342-77-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBA-bisphenol A-phosgene polymer		32844-27-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Brominated epoxy resin end-capped with tribromophenol	臭素化ｴﾎﾟｷｼﾚｼﾞﾝ、ﾄﾘﾌﾞﾛﾓﾌｪﾉｰﾙ ｴﾝﾄﾞｷｬｯﾌﾟﾄ	139638-58-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Brominated epoxy resin end-capped with tribromophenol	臭素化ｴﾎﾟｷｼﾚｼﾞﾝ、ﾄﾘﾌﾞﾛﾓﾌｪﾉｰﾙ ｴﾝﾄﾞｷｬｯﾌﾟﾄ	135229-48-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBA bis-(2-hydroxy-ethyl-ether)		4162-45-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBA-bis-(allyl-ether)		25327-89-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBA-dimethyl-ether		37853-61-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBBS-bis-(2,3-dibromo-propyl-ether)		42757-55-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
2,4-Dibromo-phenol		615-58-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
2,4,6-tribromo-phenol		118-79-6	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pentabromo-phenol		608-71-9	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
2,4,6-Tribromo-phenyl-allyl-ether		3278-89-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Tribromo-phenyl-allyl-ether, unspecified		26762-91-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Bis(methyl)tetrabromo-phthalate		55481-60-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP		20566-35-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
TBPA, glycol-and propylene-oxide esters		75790-69-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Ethylene-bis(5,6-dibromo-norbornane-2,3-dicarboximide)		52907-07-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
2,3-Dibromo-2-butene-1,4-diol	2,3-ｼﾞﾌﾞﾛﾓ-2-ﾌﾞﾃﾝ-1,4-ｼﾞｵｰﾙ	3234-02-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Dibromo-neopentyl-glycol		3296-90-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●	●												●		●	
Tribromo-neopentyl-alcohol		36483-57-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●	●												●			
Poly tribromo-styrene		57137-10-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Tribromo-styrene		61368-34-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Dibromo-styrene grafted PP		171091-06-8	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Poly-dibromo-styrene		31780-26-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Bromo-/Chloro-paraffins		68955-41-9	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Bromo-/Chloro-alpha-olefin		82600-56-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●																
Vinylbromide		593-60-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●													●		●	

5. List of NSK Environmentally Harmful Substances（details)

Substance	Substance（in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tris-(2,3-dibromo-propyl)-isocyanurate		52434-90-9	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Tris(2,4-Dibromo-phenyl) phosphate		49690-63-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Tris(tribromo-neopentyl) phosphate		19186-97-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Chlorinated and brominated phosphate ester	塩素化、臭素化ﾘﾝ酸ｴｽﾃﾙ	125997-20-8	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Pentabromo-toluene		87-83-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Pentabromo-benzyl bromide		38521-51-6	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
1,3-Butadiene homopolymer,brominated	臭素化1,3-ﾌﾞﾀｼﾞｴﾝﾎﾓﾎﾟﾘﾏｰ	68441-46-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Pentabromo-benzyl-acrylate, monomer		59447-55-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Pentabromo-benzyl-acrylate, polymer		59447-57-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Tribromo-bisphenyl-maleinimide		59789-51-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Octabromo-1,1,3-trimethyl-1-phenylindane (FR-1808)		155613-93-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Tetrabromo-cyclo-octane		31454-48-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
1,2-Dibromo-4-(1,2 dibromo-ethyl)-cyclo-hexane		3322-93-8	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Tetrabromophthalic acid Na salt		25357-79-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Tetrabromo phthalic anhydride		632-79-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	●	●															
Aluminosilicate Refractory Ceramic Fibres		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Zirconia Aluminosilicate Refractory Ceramic Fibres		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Bis(2-methoxyethyl) ether		111-96-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●									●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)		112-49-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●												●			
Pyrochlore, antimony lead yellow		8012-00-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●	●	●														
1,2-diethoxyethane		629-14-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●												●			
Silicic acid (H2Si2O5), barium salt (1:1), lead-doped		68784-75-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●	●	●	●														
N-pentyl-isopentylphthalate		776297-69-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●	●	●		●													
2,2-bis(4'-hydroxyphenyl)-4-methylpentane		6807-17-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●												●			
Phenol, 4-nonyl, phosphite		3050-88-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●															
Phenol, p-isononyl-, phosphite		31631-13-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●															
Phenol, p-sec-nonyl-, phosphite		106599-06-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●															
Diisohexyl phthalate		71850-09-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●												●			
1,2,4,5,7,8-Hexachloronaphthalene	1,2,4,5,7,8-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	103426-92-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,4,5,8-Hexachloronaphthalene	1,2,3,4,5,8-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	103426-93-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,5,7,8-Hexachloronaphthalene	1,2,3,5,7,8-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	103426-94-4	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,5,6,8-Hexachloronaphthalene	1,2,3,5,6,8-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	103426-95-5	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,4,6,7-Hexachloronaphthalene	1,2､3,4,6,7-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	103426-96-6	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,5,6,7-Hexachloronaphthalene	1,2,3,5,6,7-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	103426-97-7	Prohibited	All applications and products	Intentionally added	●	●						●								●		
Hexachloronaphthalene	ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	1335-87-1	Prohibited	All applications and products	Intentionally added	●	●						●								●		
Tetrachloronaphthalene	ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	1335-88-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,6-Tetrachloronaphthalene	1,2,3,6-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	149864-78-8	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,6,7-Tetrachloronaphthalene	1,2,3,6-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	149864-79-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,5,8-Tetrachloronaphthalene	1,2,5,8-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	149864-80-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,8-Tetrachloronaphthalene	1,2,3,8-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	149864-81-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,7,8-Tetrachloronaphthalene	1,2,7,8-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	149864-82-4	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,7,8-Pentachloronaphthalene	1,2,3,7,8-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150205-21-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,3,6,8-Tetrachloronaphthalene	1,3,6,8-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	150224-15-0	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,6,7-Pentachloronaphthalene	1,2,3,6,7-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-16-1	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4,6,7-Pentachloronaphthalene	1,2,4,6,7-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-17-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,5,6-Pentachloronaphthalene	1,2,3,5,6-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-18-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4,5,7-Pentachloronaphthalene	1,2,4,5,7-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-19-4	Prohibited	All applications and products	Intentionally added	●	●						●								●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2,4,5,6-Pentachloronaphthalene	1,2,4,5,6-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-20-7	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4,7,8-Pentachloronaphthalene	1,2,4,7,8-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-21-8	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4,6,8-Pentachloronaphthalene	1,2,4,6,8-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-22-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,6,8-Pentachloronaphthalene	1,2,3,6,8-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-23-0	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,5,8-Pentachloronaphthalene	1,2,3,5,8-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-24-1	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4,5,8-Pentachloronaphthalene	1,2,4,5,8-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	150224-25-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,6,7,8-Hexachloronaphthalene	1,2,3,6,7,8-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	17062-87-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,5-Dichloronaphthalene	1,5-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	1825-30-5	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,4-Dichloronaphthalene	1,4-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	1825-31-6	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,4-Tetrachloronaphthalene	1,2,3,4-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	20020-02-4	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2-Dichloronaphthalene	1,2-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	2050-69-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,6-Dichloronaphthalene	1,6-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	2050-72-8	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,7-Dichloronaphthalene	1,7-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	2050-73-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,8-Dichloronaphthalene	1,8-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	2050-74-0	Prohibited	All applications and products	Intentionally added	●	●						●								●		
2,3-Dichloronaphthalene	2,3-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	2050-75-1	Prohibited	All applications and products	Intentionally added	●	●						●								●		
2,6-Dichloronaphthalene	2,6-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	2065-70-5	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,3-Dichloronaphthalene	1,3-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	2198-75-6	Prohibited	All applications and products	Intentionally added	●	●						●								●		
2,7-Dichloronaphthalene	2,7-ｼﾞｸﾛﾛﾅﾌﾀﾚﾝ	2198-77-8	Prohibited	All applications and products	Intentionally added	●	●						●								●		
Perchloronaphthalene		2234-13-1	Prohibited	All applications and products	Intentionally added	●	●						●										
1,4,6-Trichloronaphthalene	1,4,6-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	2437-54-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,4,5-Trichloronaphthalene	1,3,5-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	2437-55-0	Prohibited	All applications and products	Intentionally added	●	●						●								●		
Chloronaphthalene		25586-43-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●																
Dichloronaphthalene		28699-88-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,3,5,8-Tetrachloronaphthalene	1,3,5,8-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	31604-28-1	Prohibited	All applications and products	Intentionally added	●	●						●								●		
Heptachloronaphthalene	ﾍﾌﾟﾗｸﾛﾛﾅﾌﾀﾚﾝ	32241-08-0	Prohibited	All applications and products	Intentionally added	●	●						●										
1,4,5,8-Tetrachloronaphthalene	1,4,5,8-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	3432-57-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
2,3,6,7-Tetrachloronaphthalene	2,3,6,7-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	34588-40-4	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4-Trichloronaphthalene	1,2,4-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	50402-51-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3-Trichloronaphthalene	1,2,3-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	50402-52-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,3,5-Trichloronaphthalene	1,3,5-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	51570-43-5	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,6-Trichloronaphthalene	1,3,6-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	51570-44-6	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4,6-Tetrachloronaphthalene	1,2,4,6-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	51570-45-7	Prohibited	All applications and products	Intentionally added	●	●						●								●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2,3,5-Tetrachloronaphthalene	1,2,3,5-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	53555-63-8	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,3,5,7-Tetrachloronaphthalene	1,2,5,7-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	53555-64-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,5,7-Pentachloronaphthalene	1,2,3,5,7-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	53555-65-0	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,5-Trichloronaphthalene	1,2,5-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	55720-33-7	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,7-Trichloronaphthalene	1,2,7-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	55720-34-8	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,8-Trichloronaphthalene	1,2,8-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	55720-35-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,3,6-Trichloronaphthalene	1,3,6-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	55720-36-0	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,3,7-Trichloronaphthalene	1,3,7-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	55720-37-1	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,3,8-Trichloronaphthalene	1,3,8-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	55720-38-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,6,7-Trichloronaphthalene	1,6,7-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	55720-39-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
2,3,6-Trichloronaphthalene	2,3,6-ﾄﾘｸﾛﾛﾅﾌﾀﾚﾝ	55720-40-6	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,7-Tetrachloronaphthalene	1,2,3,7-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	55720-41-7	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,3,6,7-Tetrachloronaphthalene	1,3,6,7-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	55720-42-8	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,4,6,7-Tetrachloronaphthalene	1,4,6,7-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	55720-43-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,4,5,6,7-Heptachloronaphthalene	1,2,3,4,5,6,7-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	58863-14-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,4,5,6,8-Heptachloronaphthalene	1,2,3,4,5,6,8-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	58863-15-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,4,5,6-Hexachloronaphthalene	1,2,3,4,5,6-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	58877-88-6	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4,8-Tetrachloronaphthalene	1,2,4,8-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	6529-87-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4,5-Tetrachloronaphthalene	1,2,4,5-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	6733-54-6	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,4,7-Tetrachloronaphthalene	1,2,4,7-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	67922-21-8	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,5,6-Tetrachloronaphthalene	1,2,5,6-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	67922-22-9	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,5,7-Tetrachloronaphthalene	1,2,5,7-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	67922-23-0	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,6,8-Tetrachloronaphthalene	1,2,6,8-ﾃﾄﾗｸﾛﾛﾅﾌﾀﾚﾝ	67922-24-1	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,4,5-Pentachloronaphthalene	1,2,3,4,5-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	67922-25-2	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,4,6-Pentachloronaphthalene	1,2,3,4,6-ﾍﾟﾝﾀｸﾛﾛﾅﾌﾀﾚﾝ	67922-26-3	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1,2,3,4,5,7-Hexachloronaphthalene	1,2,3,4,5,7-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	67922-27-4	Prohibited	All applications and products	Intentionally added	●	●						●								●		
1-Chloronaphthalene	1-ｸﾛﾛﾅﾌﾀﾚﾝ	90-13-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●																
1,2,4,5,6,8-Hexachloronaphthalene	1,2,4,5,6,8-ﾍｷｻｸﾛﾛﾅﾌﾀﾚﾝ	90948-28-0	Prohibited	All applications and products	Intentionally added	●	●						●								●		
2-Chloronaphthalene	2-ｸﾛﾛﾅﾌﾀﾚﾝ	91-58-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●																
boric acid (H3BO3), sodium salt, hydrate		25747-83-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●															
Boric acid (H3BO3), disodium salt		22454-04-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Trisodium orthoborate		14312-40-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Boric acid, sodium salt		1333-73-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Orthoboric acid, sodium salt		13840-56-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Boric acid (H3BO3), sodium salt (1:1)		14890-53-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Barium diboron tetraoxide		13701-59-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Isobutyl 4-hydroxybenzoate		4247-02-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Melamine		108-78-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
bis(4-chlorophenyl) sulphone		80-07-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide		75980-60-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●	●	●														
Anthracene oil	ｱﾝﾄﾗｾﾝｵｲﾙ	90640-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●	●	●									●			
Anthracene oil, anthracene paste	ｱﾝﾄﾗｾﾝｵｲﾙ、ｱﾝﾄﾗｾﾝﾍﾟｰｽﾄ	90640-81-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
Anthracene oil, anthracene paste, anthracene fraction	ｱﾝﾄﾗｾﾝｵｲﾙ、ｱﾝﾄﾗｾﾝﾍﾟｰｽﾄ、ｱﾝﾄﾗｾﾝ留分	91995-15-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
Anthracene oil, anthracene paste, distn. lights		91995-17-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
Anthracene oil, anthracene-low	ｱﾝﾄﾗｾﾝｵｲﾙ	90640-82-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
Hydrazine	ﾋﾄﾞﾗｼﾞﾝ	7803-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
1,2-dichloroethane	1,2-ｼﾞｸﾛﾛｴﾀﾝ	107-06-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●									●		●	
Formaldehyde, oligomeric reaction products with aniline		25214-70-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
Phenolphthalein	3,3-ﾋﾞｽ(4-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ)-1,3-ｼﾞﾋﾄﾞﾛｲｿﾍﾞﾝｿﾞﾌﾗﾝ-1-ｵﾝ(別名ﾌｪﾉｰﾙﾌﾀﾚｲﾝ)	77-09-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●		●	
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)		59653-74-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol		561-41-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)		90-94-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●		●	
Formamide		75-12-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)		6786-83-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-bromopropane (n-propyl bromide)		106-94-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●									●		●	
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine		143860-04-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
4,4'-oxydianiline and its salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
4-Nonylphenol, branched and linear		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
trans-cyclohexane-1,2-dicarboxylic anhydride		14166-21-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
cis-cyclohexane-1,2-dicarboxylic anhydride		13149-00-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Diethyl sulphate		64-67-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●													●	
Dimethyl sulphate		77-78-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●													●	
Furan	ﾌﾗﾝ	110-00-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●		●	
Methoxyacetic acid		625-45-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol		1119449-37-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol		1119449-38-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	●		●		●												
4-Nonylphenol, branched and linear, ethoxylated		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2)		90568-23-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6)		125022-34-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
Perboric acid (H3BO2(O2)), monosodium salt, trihydrate	過ﾎｳ酸ﾅﾄﾘｳﾑ三水和物	13517-20-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
Perboric acid, sodium salt		11138-47-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
Sodium perborate		15120-21-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
Sodium peroxometaborate		7632-04-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-06-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		676367-02-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-07-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		676367-03-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-08-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		676367-04-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel-		343934-05-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-09-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel-		343934-04-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		676367-05-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-		186309-28-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
2-(2,4-Dimethylcyclohex-3-ene-1-yl)-5-methyl-(1-methylpropyl)-1,3-dioxane		117933-89-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Nitrobenzene	ﾆﾄﾛﾍﾞﾝｾﾞﾝ	98-95-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●												●		●	
Perfluorononan-1-oic-acid and its sodium and ammonium salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
4-(5-methylhexan-3-yl)phenol		854904-92-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
4-(2,3,3-trimethylbutan-2-yl)phenol		72861-06-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
4-(2,4-dimethylpentan-2-yl)phenol		33104-11-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(2,3-dimethylpentan-2-yl)phenol		861011-60-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
Phenol, 4-(1-ethyl-1,2-dimethylpropyl)-		30784-27-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
Phenol, 4-tert-heptyl-		288864-02-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(2,4-dimethylpentan-3-yl)phenol		1824346-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(5-methylhexyl)phenol		100532-36-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(4-methylhexyl)phenol		1139800-98-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(3-methylhexyl)phenol		102570-52-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(3-ethylpentyl)phenol		911370-98-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(heptan-4-yl)phenol		6465-71-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(heptan-2-yl)phenol		6863-24-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(heptan-3-yl)phenol		6465-74-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(3-methylhexan-3-yl)phenol		30784-32-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(2,2-dimethylpentan-3-yl)phenol		861010-65-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(5-methylhexan-2-yl)phenol		857629-71-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(4-methylhexan-2-yl)phenol		71945-81-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(4,4-dimethylpentan-2-yl)phenol		911371-07-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(3-methylhexan-2-yl)phenol		854904-93-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(3,3-dimethylpentan-2-yl)phenol		911371-06-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(2-methylhexan-2-yl)phenol		30784-31-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-(3-ethylpentan-3-yl)phenol		37872-24-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
Phenol, heptyl derivs.		72624-02-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															
4-heptylphenol		1987-50-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
4-heptylphenol, branched and linear		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
p-(1,1-dimethylpropyl)phenol		80-46-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Perfluorohexane-1-sulphonic acid and its salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (“Dechlorane Plus”™)		-	Prohibited	All applications and products except for aerospace and defense applications and medical imaging and radiation therapy equipment and facilities applications.	Intentionally added	●		●											●				
Formaldehyde, reaction products with phenol heptyl derivs. and 1,3,4-thiadiazolidine-2,5-dithione		1471311-26-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine		93925-00-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●		●												
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one		15087-24-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
tris (4-nonylphenol, branch) phosphorous acid ester		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Perfluorobutane sulfonic acid (PFBS) and its salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
1-vinylimidazole		1072-63-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●												●		
2-methylimidazole		693-98-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●												●		●	
Butyl 4-hydroxybenzoate		94-26-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)		1522-92-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(2R)-3-(4-tert-butylphenyl)-2-methylpropanal		75166-31-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(2S)-3-(4-tert-butylphenyl)-2-methylpropanal		75166-30-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
2-(4-tert-butylbenzyl)propionaldehyde		80-54-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●			
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
di-, tri- and tetrachlorotetradecane		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Medium-chain chlorinated paraffins (MCCP)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Orthoboric acid, sodium salt (group)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Phenol, 4-isododecyl-		27147-75-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Phenol, tetrapropylene-		57427-55-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
4-isododecylphenol		27459-10-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		852541-25-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		741687-98-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		852541-21-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		852541-30-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		95342-41-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		1782069-81-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one		36861-47-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
tris(2-methoxyethoxy)vinylsilane		1067-53-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														

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N-(hydroxymethyl)acrylamide		924-42-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●											●		●	
reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Perfluoroheptanoic acid and its salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●		●														
Chloroethene		75-01-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●										●		●	
Soap bark powder (Quillaja saponaria) and its derivatives containing saponines		68990-67-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
o-Nitrobenzaldehyde		552-89-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium hydrogen sulphide		12124-99-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium polysulphide		9080-17-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium sulphide		12135-76-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Propyl bromoacetate	ﾌﾞﾛﾓ酢酸ﾌﾟﾛﾋﾟﾙ	35223-80-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ethyl bromoacetate	ﾌﾞﾛﾓ酢酸ｴﾁﾙ	105-36-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Methyl bromoacetate	ﾌﾞﾛﾓ酢酸ﾒﾁﾙ	96-32-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Butyl bromoacetate		18991-98-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Creosote oil, high-boiling distillate		70321-79-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●										●			
Distillates (coal tar), upper; heavy anthracene oil		65996-91-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●										●			
Creosote, wood		8021-39-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Creosote oil, acenaphthene fraction; wash oil		90640-84-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●										●			
Creosote oil; wash oil		61789-28-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●										●			
Tar acids, coal, crude; crude phenols		65996-85-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●										●			
Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline		122384-78-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●										●			
Distillates (coal tar), naphthalene oils; naphthalene oil		84650-04-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●										●			
Chloroform		67-66-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
1,1,2,2-Tetrachloroethane		79-34-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Pentachloroethane	ﾍﾟﾝﾀｸﾛﾛｴﾀﾝ	76-01-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
1,1-Dichloroethene		75-35-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Hexachloroethane	ﾍｷｻｸﾛﾛｴﾀﾝ	67-72-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Trichlorobenzene	ﾄﾘｸﾛﾛﾍﾞﾝｾﾞﾝ	120-82-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
2-(2-butoxyethoxy)ethanol (DEGBE)		112-34-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
4,4′-Methylenediphenyl diisocyanate		101-68-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Methylenediphenyl diisocyanate (MDI)		26447-40-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,4′-Methylenediphenyl diisocyanate		5873-54-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
2,2′-Methylenediphenyl diisocyanate		2536-05-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Cyclohexane	ｼｸﾛﾍｷｻﾝ	110-82-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
1,4-Dichlorobenzene	1,4-ｼﾞｸﾛﾛﾍﾞﾝｾﾞﾝ	106-46-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
Triammonium iron(3+) trioxalate		2944-67-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium tetracyanoplatinate		562-79-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium potassium tartrate		1114-14-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium iron(III) citrate		1185-57-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium iron bis(sulphate)		10045-89-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium iron phosphate		10101-60-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium iron bis(sulphate)		10138-04-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium dioxalato(oxo)titanate		10580-02-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium wolframate		11120-25-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium tetraborate		12007-58-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Hexaammonium heptamolybdate		12027-67-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium bismuth(3+) 2-hydroxypropane-1,2,3-tricarboxylate(2:1:1)		6591-52-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Tetraammonium cerium tetrakis(sulphate)		7637-03-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium selenite		7783-19-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium selenate		7783-21-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium diuranium heptaoxide		7783-22-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium hexafluoroaluminate		7784-19-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Aluminium ammonium bis(sulphate)		7784-25-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium trioxovanadate		7803-55-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium magnesium bis(sulphate)		14727-95-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium scandium(3+) disulphate		15091-94-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nitric acid, ammonium calcium salt		15245-12-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium trifluorohydroxyborate(1-)		15283-48-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium hexachlororhodate		15336-18-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium yttrium pentanitrate		15552-06-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium manganese phosphate		15609-81-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium tetrachlorocuprate		15610-76-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium neodymium pentanitrate		15653-40-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Diammonium tetrabromopalladate(2-)		15661-00-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium hexachloroiridate		15752-05-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium hexafluorosilicate		16919-19-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium hexafluorozirconate		16919-31-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium hexachloroplatinate		16919-58-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium hexachlorostannate		16960-53-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium hexafluorotitanate		16962-40-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium hexafluorogermanate(4)		16962-47-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium heptafluorozirconate(3-)		17250-81-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium hexabromoplatinate		17363-02-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Tetraammonium uranyl tricarbonate, of uranium depleted in uranium-235		18077-77-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium hexachlororuthenate		18746-63-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium hexachloropalladate		19168-23-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium hexakis(thiocyanato)platinate		19372-45-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium oxobis[sulphato(2-)-O]titanate(2-)		19468-86-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium wolframate		12028-06-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Tetramanganese nitride		12033-07-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium hexachlororhenate		12051-87-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Tetraammonium disodium vanadate		12055-09-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium hexachloroosmate		12125-08-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Sulphuric acid, ammonium magnesium salt		20861-69-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium samarium(3+) disulphate		21995-29-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium europium(3+) disulphate		21995-30-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium gadolinium(3+) disulphate		21995-31-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium lanthanum(3+) disulphate		21995-32-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium praseodymium(3+) disulphate		21995-33-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium neodymium(3+) disulphate		21995-34-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium iron tetrachloride		24411-12-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium hexabromoosmate(2-)		24598-62-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Acetic acid, ammonium zinc salt		24846-92-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium aquapentachlororuthenate		25461-53-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium bismuth citrate		25530-63-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Triammonium diaquaoctachloro-μ-nitridodiruthenate(3-)		27316-90-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium bis(cyano-C)aurate		31096-40-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium tetrachloroaurate		31113-23-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Citric acid, ammonium bismuth salt		31886-41-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium tris[carbonato(2-)-O]hydroxyzirconate(3-)		32535-84-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium chromic sulfate dodecahydrate		10022-47-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium trivanadium octaoxide		12207-63-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium tetratungsten tridecaoxide		12398-61-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Tetraammonium hexamolybdate		12411-64-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium molybdate(VI)		13106-76-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium tetraoxotellurate		13453-06-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium chromium bis(sulphate)		13548-43-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium lanthanum pentanitrate		13566-21-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium manganese bis(sulphate)		13566-22-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium diamminetetrakis(thiocyanato-N)chromate(1-)		13573-16-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium copper(2+) disulphate		13587-25-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium perrhenate		13598-65-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium gadolinium pentanitrate		13628-49-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium calcium trinitrate		13780-11-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium zinc disulphate		13814-87-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium tetrachloropalladate		13820-40-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium tetrachloroplatinate		13820-41-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium pentachloronitrosylruthenate		13820-58-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Bis(acetato-O)diamminecopper		13822-80-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium tetrafluoroborate		13826-83-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Sulphuric acid, ammonium cerium salt		13840-04-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium pentafluorozirconate(1-)		13859-62-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium sodium sulphate		13863-45-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium trioxalatoferrate		14221-47-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium hexacyanoferrate		14221-48-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Tetraammonium hexacyanoferrate		14481-29-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium iron tartrate		14635-18-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Diammonium cerium(4+) trisulphate		14638-69-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Diammonium tetrachlorozincate(2-)		14639-97-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium pentachlorozincate(3-)		14639-98-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium triiron tetracitrate		52336-55-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium borate		22694-75-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Selenious acid, ammonium salt (2:1)		25425-97-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Boric acid (H3BO3), ammonium salt		27522-09-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Sulfuric acid, ammonium magnesium salt (3:2:2)		27733-50-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
azanium;lanthanum(3+);tetranitrate		31178-09-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Nitric acid, ammonium cerium(4+) salt (6:2:1)		10139-51-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium lanthanum nitrate		10169-00-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Aluminate(2-), difluoro[phosphato(3-)-κO]-, ammonium hydrogen (1:1:1)		11095-65-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ferrate(2-), difluoro[phosphato(3-)-κO]-, ammonium hydrogen (1:1:1)		11095-66-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Vanadate (V10O286-), ammonium (1:6)		12208-00-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Cryptohalite		1309-32-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ammonium iron salt, hydrate		1332-98-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Mixtures of a permanganate with an ammonium salt		13446-10-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Sulfuric acid, aluminum ammonium salt (2:1:1), tetracosahydrate		14725-69-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Sulfuric acid, ammonium sodium salt, dihydrate		7783-10-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Sulfuric acid, ammonium zinc salt (2:2:1), hexahydrate		7783-24-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Sulfuric acid, ammonium magnesium salt (2:2:1), hexahydrate		7785-18-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Stannate(1-), trifluoro-, ammonium (9CI)		15660-29-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium cerous sulfate tetrahydrate		10049-02-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Chromate(1-), bis(benzenamine)tetrakis(thiocyanato-N)-, ammonium (9CI)		10380-20-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium paratungstate hexahydrate		12208-54-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium phosphotungstenate, trihydrate		12704-02-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium 12-tungstophosphate		1311-90-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ferrate(3-), hexafluoro-, triammonium salt		13815-28-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Platinate(1-), amminetrichloro-, ammonium, (SP-4-2)-		13820-94-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium hexafluorogallate		14639-94-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Cobalt ammonium complex		14695-95-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nitric acid, ammonium cerium(3+) salt (5:2:1)		15318-60-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Tungstate(2-), dioxodithioxo-, diammonium (9CI)		16150-61-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Triammonium uranyl pentafluoride		12062-03-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Chromate(1-), diamminetetrakis(isothiocyanato)-, ammonium, hydrate		19441-09-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ferrate(2-), [N,N-bis[2-[bis(carboxymethyl)amino]ethyl]glycinato(3-)]-, ammonium hydrogen		19529-40-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Vitaferro		19864-63-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Sulfuric acid, ammonium cerium(3+) salt (2:1:1)		21995-38-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Arsonic acid, methyl-, monoammonium salt		2321-53-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Carbonic acid, ammoniumplutonium salt (8CI)		24917-46-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Uranic acid, diammonium salt, hydrate		28347-83-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
1-Heptene-1-arsonic acid, 2-chloro-, monoammonium salt		300-88-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Molybdate(2-),tetrafluorodioxo-, diammonium (8CI,9CI)		30291-63-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium ferrocyanide trihydrate		32108-79-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium Tetrachloroaluminate, NH4AlCl4		7784-14-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium ferric chromate		7789-08-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ethanedioic acid, ammonium iron(3+) salt (3:3:1), trihydrate		13268-42-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Sulfuric acid, ammonium iron(3+) salt (2:1:1), dodecahydrate		7783-83-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Titanate(2-), bis[ethanedioato(2-)-O,O']oxo-, diammonium, monohydrate, (SP-5-21)-		10580-03-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Struvite [(NH4)Mg(PO4).6H2O]		15490-91-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Vanadate(3-), hexafluoro-, triammonium salt		13815-31-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Ammonium tetrathiotungstate [(NH4)2WS4]		13862-78-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Molybdate(2-), tetrathioxo-, diammonium, (T-4)-		15060-55-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
1,3-bis(isocyanatomethyl)benzene		3634-83-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate		4098-71-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
4,4'-methylenedicyclohexyl diisocyanate		5124-30-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
2-methyl-m-phenylene diisocyanate		91-08-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate		91-97-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
m-tolylidene diisocyanate		26471-62-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●												●	
2,4,6-triisopropyl-m-phenylene diisocyanate		2162-73-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
1,3-bis(1-isocyanato-1-methylethyl)benzene		2778-42-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,5-naphthylene diisocyanate		3173-72-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
4-methyl-m-phenylene diisocyanate		584-84-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Hexamethylene diisocyanate		822-06-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●			●													
Perboric acid (HBO(O2)), sodium salt, tetrahydrate		10486-00-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●				●												
Sodium perborate monohydrate		10332-33-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	●				●												
Aldrin	ｱﾙﾄﾞﾘﾝ	309-00-2	Prohibited	All applications and products	Intentionally added	●							●					●			●	
6- (1R, 2S, 3S, 6R, 7R, 8S, 9S, 11R) -3,4,5,6,13,13-hexachloro-10-oxapentacyclo [6.3.1.1 (3,6) .0 (2, 7). 0 (9, 11)] tridec-4-ene		60-57-1	Prohibited	All applications and products	Intentionally added	●							●					●			●	
1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a, 5,6,7,8,8a-octahydro-1,4: 5,8-dimethanonaphthalene		128-10-9	Prohibited	All applications and products	Intentionally added	●							●									
6- (1R, 2R, 3R, 6S, 7S, 8S, 9S, 11R) -3,4,5,6,13,13-hexachloro-10-oxapentacyclo [6.3.1.1 (3, 6) .0 (2, 7). 0 (9, 11)] tridec-4-ene		72-20-8	Prohibited	All applications and products	Intentionally added	●							●					●			●	
1,1,1-trichloro-2,2-bis (4-chlorophenyl) ethane (DDT)		50-29-3	Prohibited	All applications and products	Intentionally added	●							●					●		●	●	
1,3,4,7,8,9,10,10-octachlorotricyclo [5.2.1.0 (2,6)] deca-8-ene		57-74-9	Prohibited	All applications and products	Intentionally added	●							●					●			●	
1,5,7,8,9,10,10-heptachlorotricyclo [5.2.1.0 (2,6)] deca-3,8-diene		76-44-8	Prohibited	All applications and products	Intentionally added	●							●					●			●	
octachlorotricyclo [5.2.1.0 (2,6)] deca-8-(1, 2S, 3R, 4S, 6S, 7S) -1,3,4,7,8,9,10,10-En		5103-71-9	Prohibited	All applications and products	Intentionally added	●							●									
(3R, 4R, 6S, 7S) -1,3,4,7,8,9,10,10-octachlorotricyclo [5.2.1.0 (2,6)] deca-8-En		5103-74-2	Prohibited	All applications and products	Intentionally added	●							●									
1,4,4,7,8,9,10,10-octachlorotricyclo [5.2.1.0 (2,6)] deca-8-ene		5566-34-7	Prohibited	All applications and products	Intentionally added	●							●									
1, 8, 9, 10, 11, 11-hexachloro-4-oxatetracyclo [6.2.1.0 (2,7) .0 (3,5)] undeca-9-ene	1,8,9,10,11,11-ﾍｷｻｸﾛﾛ-4-ｵｷｻﾃﾄﾗｼｸﾛ[6.2.1.0(2,7).0(3,5)]ｳﾝﾃﾞｶ-9-ｴﾝ	6058-23-7	Prohibited	All applications and products	Intentionally added	●							●									
Chlorden		12789-03-6	Prohibited	All applications and products	Intentionally added	●							●									
5a, 6a, 6S, 6aS) -2,3,4,5,6,6a, 7,7-octachloro-la, 1b, 5,5a, 6,6a-hexahydro-2H-2,5-Methanoindeno [1,2-b] oxylene		27304-13-8	Prohibited	All applications and products	Intentionally added	●							●									
(1, 4S, 7S, 8S, 9S) -2,3,4,5,6,9-hexachlorotricyclo [5.2.1.0 (4,8)] deca-2,5-diene		56534-03-3	Prohibited	All applications and products	Intentionally added	●							●									
(1, 4S, 7S, 8S, 10S) -2,3,4,5,6,10-hexachlorotricyclo [5.2.1.0 (4,8)] deca-2,5-diene		56641-38-4	Prohibited	All applications and products	Intentionally added	●							●									
Toxaphen		8001-35-2	Prohibited	All applications and products	Intentionally added	●							●					●			●	
Dicofol	ｹﾙｾﾝ又はｼﾞｺﾙﾙ	115-32-2	Prohibited	All applications and products	Intentionally added	●							●					●				
r-1,c-2,t-3,c-4,t-5,t-6-hexachlorocyclohexane (α-hexachlorocyclohexane)		319-84-6	Prohibited	All applications and products	Intentionally added	●							●					●				
r-1,t-2,c-3,t-4,c-5,t-6-hexachlorocyclohexane (β-hexachlorocyclohexane)		319-85-7	Prohibited	All applications and products	Intentionally added	●							●					●				
Decachloropentacyclo [5.3.0.0 (2,6) .0 (3,9). 0 (4,8)] decan-5-one (Crodecon)		143-50-0	Prohibited	All applications and products	Intentionally added	●							●					●			●	
1,9,10,11,12,12-hexachloro-5-oxo-4,6-dioxa-5λ (4) -thiatricyclo [7.2.1.0 (2,8)] dodeca-		115-29-7	Prohibited	All applications and products	Intentionally added	●							●					●				
(5aR, 6R, 9S, 9aS) -6,7,8,9,10,10-hexachloro-1,5,5a, 6,9,9a-hexahydro-3H-6,9-methano- 3 λ (4) -benzodioxathiepin-3-one		959-98-8	Prohibited	All applications and products	Intentionally added	●							●					●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(3R, 5aR, 6R, 9S, 9aS) -6,7,8,9,10,10-hexachloro-1,5,5a, 6,9,9a-hexahydro-3H-6,9- 4, 3 [lambda] (4) -benzodioxathiepin-3-one		33213-65-9	Prohibited	All applications and products	Intentionally added	●							●					●				
Tetrachloroethylene	ﾃﾄﾗｸﾛﾛｴﾁﾚﾝ	127-18-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●								●							●	
1,5,9-Cyclododecatriene, (E,E,E)-		676-22-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,5,9-Cyclododecatriene, (1E,5E,9Z)-		706-31-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,5,9-Cyclododecatriene, (1E,5Z,9Z)-		2765-29-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,5,9-Cyclododecatriene, (Z,Z,Z)-		4736-48-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,5,9-Cyclododecatriene		4904-61-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Cyclododecane	ｼｸﾛﾄﾞﾃﾞｶﾝ	294-62-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,1-Bis(tert-butyl)-3,3,5-trimethylcyclohexane peroxide		6731-36-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Tetraphenyltin	ﾃﾄﾗﾌｪﾆﾙｽｽﾞ	595-90-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Benzene, 1,3,5-tribromo-2-(2,3-dibromo-2-methylpropoxy)-		36065-30-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Phosphonothioic acid, phenyl-, O-(2,4-dichlorophenyl) O-ethyl ester		3792-59-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Benzene, 1,3,5-tris(1,1-dimethylethyl)-		1460-02-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
4-Isopropenyl-1-methylcyclohex-1-ene dimer		57912-86-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
(R)-4-Isopropenyl-1-methylcyclohex-1-ene dimer		71911-41-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2,4-Bis(4-methylcyclohexyl)-2-methylpentane		84304-87-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1-isopropyldecahydronaphthalene		1010-74-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2-Isopropyldecahydronaphthalene		861642-00-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2,6-di-tert-Butyl-4-phenylphenol	2,6-ｼﾞ-tert-ﾌﾞﾁﾙ-4-ﾌｪﾆﾙﾌｪﾉｰﾙ	2668-47-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,4-Diisopropylnaphthalene		24157-79-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2,6-Diisopropylnaphthalene		24157-81-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,8-Diisopropylnaphthalene		24192-58-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,5-Diisopropylnaphthalene		27351-96-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Naphthalene, diisopropyl-		38640-62-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2,7-Diisopropylnaphthalene		40458-98-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,6-Diisopropylnaphthalene		51113-41-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,3-Diisopropylnaphthalene		57122-16-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,2-Diisopropylnaphthalene		94133-79-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,7-Diisopropylnaphthalene		94133-80-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2,3-Diisopropylnaphthalene		94133-81-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Naphthalene, triisopropyl-		35860-37-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2,2'-Diethylbiphenyl		13049-35-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2,3'-Diethylbiphenyl		13049-36-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2,4'-Diethylbiphenyl		13049-37-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
3,3'-Diethylbiphenyl		13049-38-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
3,4'-Diethylbiphenyl		13049-39-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
4,4'-Diethylbiphenyl		13049-40-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Diethylbiphenyl	ｼﾞｴﾁﾙﾋﾞﾌｪﾆﾙ	28575-17-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Dibenzyltoluene	ｼﾞﾍﾞﾝｼﾞﾙﾄﾙｴﾝ	26898-17-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Toluene, dibenzyl derivative		29589-57-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Dibenzylbenzene, ar-methyl derivative		53585-53-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,1'-Biphenyl, triethyl-		42343-17-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,1'-Biphenyl, 2,4,6-triethyl-		76804-33-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
1,1'-Biphenyl, 2,4',5-triethyl-		152463-74-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
2,4-Di-tert-butyl-6-[(2-nitrophenyl)diazenyl]phenol		52184-14-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
4-sec-Butyl-2,6-di-tert-butylphenol	4-sec-ﾌﾞﾁﾙ-2,6-ｼﾞ-tert-ﾌﾞﾁﾙﾌｪﾉｰﾙ	17540-75-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,4-Bis(isopropylamino)-9,10-anthraquinone		14233-37-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
alpha-(Difluoromethyl)-omega-(difluoromethoxy)poly[oxy(difluoromethylene)/oxy(tetrafluoroethylene)] (It is limited that a molecular weight of the polymer is 500 or more and 700 or less.)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●									●							
Tetraphosphorus		12185-10-3	Prohibited	All applications and products	Intentionally added	●										●						
Schradan		152-16-9	Prohibited	All applications and products	Intentionally added	●											●					
Diethyl p-nitrophenylthiophosphate		56-38-2	Prohibited	All applications and products	Intentionally added	●											●				●	
Dimethyl ethylmercaptoethyl thiophosphate		8022-00-2	Prohibited	All applications and products	Intentionally added	●											●					
Dimethyl phosphate ester 2-chloro-N,N-diethyl-3-hydroxycrotonamide		13171-21-6	Prohibited	All applications and products	Intentionally added	●											●					
Dimethyl-p-nitrophenylthiophosphate		298-00-0	Prohibited	All applications and products	Intentionally added	●											●					
Tetraethyl diphosphate		107-49-3	Prohibited	All applications and products	Intentionally added	●											●					
Fluoroacetic acid	ﾓﾉﾌﾙｵｰﾙ酢酸	144-49-0	Prohibited	All applications and products	Intentionally added	●											●					
2-fluoroacetamide	ﾓﾉﾌﾙｵｰﾙ酢酸ｱﾐﾄﾞ	640-19-7	Prohibited	All applications and products	Intentionally added	●											●					
Benzene, 1,2,3-tribromo-4-(2,4,5-tribromophenoxy)-		182677-30-1	Prohibited	All applications and products	Intentionally added	●												●				
BHC or HCH		608-73-1	Prohibited	All applications and products	Intentionally added	●												●				
2,3',4,4',6-Pentabromodiphenyl Ether		189084-66-0	Prohibited	All applications and products	Intentionally added	●												●				
2,2',3,4',4-PENTABDE		182346-21-0	Prohibited	All applications and products	Intentionally added	●												●				
Acetic acid, 2,2,2-trichloro-, 2,3,4,5,6-pentachlorophenyl ester	#N/A	2879-60-9	Prohibited	All applications and products	Intentionally added	●												●				
Acetic acid, 2,2-dichloro-, 2,3,4,5,6-pentachlorophenyl ester	#N/A	19745-69-8	Prohibited	All applications and products	Intentionally added	●												●				
Carbonic acid, 1,1-dimethylethyl pentachlorophenyl ester	#N/A	18942-25-1	Prohibited	All applications and products	Intentionally added	●												●				
Indeno[1,2,3-cd]pyrene		193-39-5	Prohibited	All applications and products	Intentionally added	●												●			●	
2,3',4',6-tetrabromodiphenyl ether		189084-62-6	Prohibited	All applications and products	Intentionally added	●												●				
2,4,4',6-tetrabromodiphenyl ether		189084-63-7	Prohibited	All applications and products	Intentionally added	●												●				
Benzene, 1,2-dibromo-4-(2,4-dibromophenoxy)-		189084-61-5	Prohibited	All applications and products	Intentionally added	●												●				
benzo[rst]pentaphene		189-55-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
dibenzo[b,def]chrysene; dibenzo[a,h]pyrene		189-64-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
dibenzo[def,p]chrysene; dibenzo[a,l]pyrene		191-30-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
1,2-dibromoethane	1,2-ｼﾞﾌﾞﾛﾓｴﾀﾝ	106-93-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
1,2-dichloropropane; propylene dichloride	1,2-ｼﾞｸﾛﾛﾌﾟﾛﾊﾟﾝ; ﾌﾟﾛﾋﾟﾚﾝｼﾞｸﾛﾗｲﾄﾞ	78-87-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-dibromo-3-chloropropane	1,2-ｼﾞﾌﾞﾛﾓ-3-ｸﾛﾛﾌﾟﾛﾊﾟﾝ	96-12-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
chloroprene (stabilised); 2-chlorobuta-1,3-diene (stabilised)		126-99-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
α-chlorotoluene; benzyl chloride	α-ｸﾛﾛﾄﾙｴﾝ; 塩化ﾍﾞﾝｼﾞﾙ	100-44-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
α,α,α-trichlorotoluene; benzotrichloride	α,α,α-ﾄﾘｸﾛﾛﾄﾙｴﾝ; ﾍﾞﾝｿﾞﾄﾘｸﾛﾗｲﾄﾞ	98-07-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
1,3-dichloro-2-propanol	1,3-ｼﾞｸﾛﾛ-2-ﾌﾟﾛﾊﾟﾉｰﾙ	96-23-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
1,4-dichlorobut-2-ene	1,4-ｼﾞｸﾛﾛﾌﾞﾀ-2-ｴﾝ	764-41-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
2-bromopropane	2-ﾌﾞﾛﾓﾌﾟﾛﾊﾟﾝ	75-26-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
α, α,α,4-tetrachlorotoluene; p-chlorobenzotrichloride	α,α,α,4-ﾃﾄﾗｸﾛﾛﾄﾙｴﾝ; p-ｸﾛﾛﾍﾞﾝｿﾞﾄﾘｸﾛﾗｲﾄﾞ	5216-25-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
ethylene oxide; oxirane	ｴﾁﾚﾝｵｷｼﾄﾞ; ｵｷｼﾗﾝ	75-21-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
2,2'-bioxirane; 1,2:3,4-diepoxybutane	2,2'-ﾋﾞｵｷｼﾗﾝ; 1,2:3,4-ｼﾞｴﾎﾟｷｼﾌﾞﾀﾝ	1464-53-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
tetrahydro-2-furylmethanol; tetrahydrofurfuryl alcohol	ﾃﾄﾗﾋﾄﾞﾛ-2-ﾌﾘﾙﾒﾀﾉｰﾙ; ﾃﾄﾗﾋﾄﾞﾛﾌﾙﾌﾘﾙｱﾙｺｰﾙ	97-99-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2,3-epoxypropan-1-ol; glycidol; oxiranemethanol	2,3-ｴﾎﾟｷｼﾌﾟﾛﾊﾟﾝ-1-ｵｰﾙ; ｸﾞﾘｼﾄﾞｰﾙ; ｵｷｼﾗﾝﾒﾀﾉｰﾙ	556-52-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
m-bis(2,3-epoxypropoxy)benzene; resorcinol diglycidyl ether		101-90-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
7-oxa-3-oxiranylbicyclo [4.1.0]heptane; 1,2-epoxy- 4-epoxyethylcyclohexane; 4-vinylcyclohexene diepoxide		106-87-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
chlormethyl methyl ether; chlorodimethyl ether	ｸﾛﾛﾒﾁﾙﾒﾁﾙｴｰﾃﾙ; ｸﾛﾛｼﾞﾒﾁﾙｴｰﾃﾙ	107-30-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●	●	●	
R-2,3-epoxy-1-propanol	R-2,3-ｴﾎﾟｷｼ-1-ﾌﾟﾛﾊﾟﾉｰﾙ	57044-25-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
R-1-chloro-2,3-epoxypropane	R-1-ｸﾛﾛ-2,3-ｴﾎﾟｷｼﾌﾟﾛﾊﾟﾝ	51594-55-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-(2-aminoethylamino)ethanol; (AEEA)	2-(2-ｱﾐﾉｴﾁﾙｱﾐﾉ)ｴﾀﾉｰﾙ; (AEEA)	111-41-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2,3-epoxypropyltrimethylammonium chloride ...%; glycidyl trimethylammonium chloride ...%	2,3-ｴﾎﾟｷｼﾌﾟﾛﾋﾟﾙﾄﾘﾒﾁﾙｱﾝﾓﾆｳﾑｸﾛﾗｲﾄﾞ; ｸﾞﾘｼｼﾞﾙﾄﾘﾒﾁﾙｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	3033-77-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
1-(2-amino-5-chlorophenyl)-2,2,2-trifluoro-1,1-ethanediol, hydrochloride; [containing ≥ 0.1 % 4-chloroaniline (EC No 203-401-0)]		214353-17-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
ethanol, 2,2'-iminobis-, N-(C13-15-branched and linear alkyl) derivs.		97925-95-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
ipconazole (ISO); (1RS,2SR,5RS;1RS,2S–R,5SR)-2-(4-chloro–benzyl)-5-isopropyl-1-(1H-1,2,4-triazol-1-yl–methyl)cyclopentanol		125225-28-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
1,2-dihydroxybenzene; pyrocatechol		120-80-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
4-amino-3-fluorophenol	4-ｱﾐﾉ-3-ﾌﾙｵﾛﾌｪﾉｰﾙ	399-95-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
(E)-3-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-2-phenylbut-1-enyl]phenol	(E)-3- [1- [4- [2-(ｼﾞﾒﾁﾙｱﾐﾉ)ｴﾄｷｼ]ﾌｪﾆﾙ] -2-ﾌｪﾆﾙﾌﾞﾀ-1-ｴﾆﾙ]ﾌｪﾉｰﾙ	82413-20-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-chloro-6-fluoro-phenol	2-ｸﾛﾛ-6-ﾌﾙｵﾛ - ﾌｪﾉｰﾙ	2040-90-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
safrole; 5-allyl-1,3-benzodioxole	ｻﾌﾛｰﾙ; 5-ｱﾘﾙ-1,3-ﾍﾞﾝｿﾞｼﾞｵｷｿｰﾙ	94-59-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
chlorophacinone (ISO); 2-[(4-chlorophenyl)(phenyl)acetyl]-1H-indene-1,3(2H)-dione	ｸﾛﾛﾌｧｼﾉﾝ; 2 - [(4-ｸﾛﾛﾌｪﾆﾙ)(ﾌｪﾆﾙ)ｱｾﾁﾙ] -1H-ｲﾝﾃﾞﾝ-1,3(2H) - ｼﾞｵﾝ	3691-35-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
3-propanolide; 1,3-propiolactone	3-ﾌﾟﾛﾊﾟﾉﾘﾄﾞ; 1,3-ﾌﾟﾛﾋﾟｵﾗｸﾄﾝ	57-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
tetrahydrothiopyran-3-carboxaldehyde	ﾃﾄﾗﾋﾄﾞﾛﾁｵﾋﾟﾗﾝ-3-ｶﾙﾎﾞｷｼｱﾙﾃﾞﾋﾄﾞ	61571-06-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-butyryl-3-hydroxy-5-thiocyclohexan-3-yl-cyclohex-2-en-1-one	2-ﾌﾞﾁﾘﾙ-3-ﾋﾄﾞﾛｷｼ-5-ﾁｵｼｸﾛﾍｷｻﾝ-3-ｲﾙ - ｼｸﾛﾍｷｻ-2-ｴﾝ-1-ｵﾝ	94723-86-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
cyclic 3-(1,2-ethanediylacetale)-estra-5(10),9(11)-diene-3,17-dione	環状3-(1,2-ｴﾀﾝｼﾞｲﾙｱｾﾀｰﾙ) - ｴｽﾄﾗ-5(10)、9(11) - ｼﾞｴﾝ-3,17-ｼﾞｵﾝ	5571-36-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
anthraquinone	ｱﾝﾄﾗｷﾉﾝ	84-65-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
warfarin (ISO); 4-hydroxy-3-(3-oxo-1-phenylbutyl)-2H-chromen-2-one [1]		81-81-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
(S)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone [2]		5543-57-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
(R)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone [3]		5543-58-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
coumatetralyl (ISO); 4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)coumarin	ｸﾏﾃﾄﾗﾘﾙ; 4-ﾋﾄﾞﾛｷｼ-3-(1,2,3,4-ﾃﾄﾗﾋﾄﾞﾛ-1-ﾅﾌﾁﾙ)ｸﾏﾘﾝ	5836-29-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2,3-epoxypropyl methacrylate; glycidyl methacrylate	2,3-ｴﾎﾟｷｼﾌﾟﾛﾋﾟﾙﾒﾀｸﾘﾚｰﾄ;ｸﾞﾘｼｼﾞﾙﾒﾀｸﾘﾚｰﾄ	106-91-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
urethane (INN); ethyl carbamate		51-79-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
difenacoum (ISO); 3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin	ｼﾞﾌｪﾅｸﾑ; 3-(3-ﾋﾞﾌｪﾆﾙ-4-ｲﾙ-1,2,3,4-ﾃﾄﾗﾋﾄﾞﾛ-1-ﾅﾌﾁﾙ)-4-ﾋﾄﾞﾛｷｼｸﾏﾘﾝ	56073-07-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
brodifacoum (ISO); 4-hydroxy-3-(3-(4'-bromo-4-biphenylyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin	ﾌﾞﾛﾃﾞｨﾌｧｸｰﾑ; 4-ﾋﾄﾞﾛｷｼ-3-(3-(4'-ﾌﾞﾛﾓ-4-ﾋﾞﾌｪﾆﾘﾙ)-1,2,3,4-ﾃﾄﾗﾋﾄﾞﾛ-1-ﾅﾌﾁﾙ)ｸﾏﾘﾝ	56073-10-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
methyl acrylamidomethoxyacetate (containing ≥ 0,1 % acrylamid)		77402-03-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-ethylhexyl[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]thio]acetate	2-ｴﾁﾙﾍｷｼﾙ[[[3,5-ﾋﾞｽ(1,1-ｼﾞﾒﾁﾙｴﾁﾙ)-4-ﾋﾄﾞﾛｷｼﾌｪﾆﾙ]ﾒﾁﾙ]ﾁｵ]ｱｾﾃｰﾄ	80387-97-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
methyl acrylamidoglycolate (containing ≥ 0,1 % acrylamide)		77402-05-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-ethylhexanoic acid and its salts, with the exception of those specified elsewhere in this Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-methoxypropyl acetate	2-ﾒﾄｷｼﾌﾟﾛﾋﾟﾙｱｾﾃｰﾄ	70657-70-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
fluazifop-butyl (ISO); butyl (RS)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate	ﾌﾙｱｼﾞﾌｰﾌﾞﾁﾙ; ﾌﾞﾁﾙ(RS)-2- [4-(5-ﾄﾘﾌﾙｵﾛﾒﾁﾙ-2-ﾋﾟﾘｼﾞﾙｵｷｼ)ﾌｪﾉｷｼ]ﾌﾟﾛﾋﾟｵﾈｰﾄ	69806-50-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
vinclozolin (ISO); N-3,5-dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione	ﾋﾞﾝｸﾛｿﾞﾘﾝ; N-3,5-ｼﾞｸﾛﾛﾌｪﾆﾙ-5-ﾒﾁﾙ-5-ﾋﾞﾆﾙ-1,3-ｵｷｻｿﾞﾘｼﾞﾝ-2,4-ｼﾞｵﾝ	50471-44-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
flocoumafen (ISO); reaction mass of: cis-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl)coumarin and trans-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl)coumarin	ﾌﾛｸﾏﾌｪﾝ; ｼｽ-4-ﾋﾄﾞﾛｷｼ-3-(1,2,3,4-ﾃﾄﾗﾋﾄﾞﾛ-3-(4-(4-ﾄﾘﾌﾙｵﾛﾒﾁﾙﾍﾞﾝｼﾞﾙｵｷｼ)ﾌｪﾆﾙ)-1-ﾅﾌﾁﾙ)ｸﾏﾘﾝおよびﾄﾗﾝｽ-4-ﾋﾄﾞﾛｷｼ-3- (1,2,3,4-ﾃﾄﾗﾋﾄﾞﾛ-3-(4-(4-ﾄﾘﾌﾙｵﾛﾒﾁﾙﾍﾞﾝｼﾞﾙｵｷｼ)ﾌｪﾆﾙ)-1-ﾅﾌﾁﾙ)ｸﾏﾘﾝ	90035-08-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
oxiranemethanol, 4-methylbenzenesulfonate, (S)-	ｵｷｼﾗﾝﾒﾀﾉｰﾙ､4-ﾒﾁﾙﾍﾞﾝｾﾞﾝｽﾙﾎﾈｰﾄ､(S) -	70987-78-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
reaction mass of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-hydroxy-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate; trisodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
ethyl 1-(2,4-dichlorophenyl)-5-(trichloromethyl)-1H-1,2,4-triazole-3-carboxylate	ｴﾁﾙ1-(2,4-ｼﾞｸﾛﾛﾌｪﾆﾙ)-5-(ﾄﾘｸﾛﾛﾒﾁﾙ)-1H-1,2,4-ﾄﾘｱｿﾞｰﾙ-3-ｶﾙﾎﾞｷｼﾗｰﾄ	103112-35-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
4-tert-butylbenzoic acid	4-tert-ﾌﾞﾁﾙ安息香酸	98-73-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
bromadiolone (ISO); 3-[3-(4'-bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-chromen-2-one	ﾌﾞﾛﾏｼﾞｵﾛﾝ; 3-[3-(4'-ﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ-4-ｲﾙ)-3-ﾋﾄﾞﾛｷｼ-1-ﾌｪﾆﾙﾌﾟﾛﾋﾟﾙ] -4-ﾋﾄﾞﾛｷｼ-2H-ｸﾛﾒﾝ-2-ｵﾝ	28772-56-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
difethialone (ISO); 3-[3-(4'-bromobiphenyl-4-yl)-1,2,3,4-tetrahydronaphthalen-1-yl]-4-hydroxy-2H-1-benzothiopyran-2-one	ｼﾞﾌｪﾁｵﾛﾝ; 3-[3-(4'-ﾌﾞﾛﾓﾋﾞﾌｪﾆﾙ-4-ｲﾙ)-1,2,3,4-ﾃﾄﾗﾋﾄﾞﾛﾅﾌﾀﾚﾝ-1-ｲﾙ] -4-ﾋﾄﾞﾛｷｼ-2H-1-ﾍﾞﾝｿﾞﾁｵﾋﾟﾗﾝ-2-ｵﾝ	104653-34-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
spirodiclofen (ISO); 3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutyrate		148477-71-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
pentapotassium 2,2',2'',2''',2''''-(ethane-1,2-diylnitrilo)pentaacetate	#N/A	7216-95-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
N-carboxymethyliminobis(ethylenenitrilo)tetra(acetic acid)	#N/A	67-43-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
pentasodium (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate	#N/A	140-01-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
diisooctyl phthalate		27554-26-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-methoxyethyl acrylate		3121-61-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	#N/A	2156592-54-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
3,7-dimethylocta-2,6-dienenitrile	3,7-ｼﾞﾒﾁﾙｵｸﾀ-2,6-ｼﾞｴﾝﾆﾄﾘﾙ	5146-66-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-nitropropane	2-ﾆﾄﾛﾌﾟﾛﾊﾟﾝ	79-46-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
dinitrotoluene [2]		25321-14-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
dinocap (ISO); (RS)-2,6-dinitro-4-octylphenyl crotonates and (RS)-2,4-dinitro-6-octylphenyl crotonates in which "octyl" is a reaction mass of 1-methylheptyl, 1-ethylhexyl and 1-propylpentyl groups	ｼﾞﾉｶｯﾌﾟ; 4,6(又は2,6)-ｼﾞﾆﾄﾛ-2(又は4)-ﾒﾁﾙﾍﾌﾟﾁﾙ ﾌｪﾆﾙｸﾛﾄﾅｰﾄ	39300-45-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
binapacryl (ISO); 2-sec-butyl-4,6-dinitrophenyl-3-methylcrotonate	ﾋﾞﾅﾊﾟｸﾘﾙ; 2-sec-ﾌﾞﾁﾙ-4,6-ｼﾞﾆﾄﾛﾌｪﾆﾙ-3-ﾒﾁﾙｸﾛﾄﾈｰﾄ	485-31-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
dinoterb (ISO); 2-tert-butyl-4,6-dinitrophenol	ｼﾞﾉﾃﾙﾌﾞ; 2-tert-ﾌﾞﾁﾙ-4,6-ｼﾞﾆﾄﾛﾌｪﾉｰﾙ	1420-07-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
5-nitroacenaphthene	5-ﾆﾄﾛｱｾﾅﾌﾃﾝ	602-87-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
2-nitronaphthalene	2-ﾆﾄﾛﾅﾌﾀﾚﾝ	581-89-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
nitrofen (ISO); 2,4-dichlorophenyl 4-nitrophenyl ether		1836-75-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
2-nitroanisole	2-ﾆﾄﾛｱﾆｿｰﾙ	91-23-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
2,6-dinitrotoluene	2,6-ｼﾞﾆﾄﾛﾄﾙｴﾝ	606-20-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
2,3-dinitrotoluene	2,3-ｼﾞﾆﾄﾛﾄﾙｴﾝ	602-01-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
3,4-dinitrotoluene	3,4-ｼﾞﾆﾄﾛﾄﾙｴﾝ	610-39-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
3,5-dinitrotoluene	3,5-ｼﾞﾆﾄﾛﾄﾙｴﾝ	618-85-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
hydrazine-trinitromethane		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2,5-dinitrotoluene	2,5-ｼﾞﾆﾄﾛﾄﾙｴﾝ	619-15-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-nitrotoluene	2-ﾆﾄﾛﾄﾙｴﾝ	88-72-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
azobenzene	ｱｿﾞﾍﾞﾝｾﾞﾝ	103-33-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
methyl-ONN-azoxymethyl acetate; methyl azoxy methyl acetate	ﾒﾁﾙ-N-ｱｿﾞｵｷｼﾒﾁﾙｱｾﾃｰﾄ; ﾒﾁﾙｱｿﾞｵｷｼﾒﾁﾙｱｾﾃｰﾄ	592-62-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
Benzidine based azo dyes; 4,4'-diarylazobiphenyl dyes, with the exception of those specified elsewhere in CLP Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
o-dianisidine based azo dyes; 4,4'-diarylazo-3,3'-dimethoxybiphenyl dyes with the exception of those mentioned elsewhere in CLP Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
o-tolidine based dyes; 4,4'-diarylazo-3,3'-dimethylbiphenyl dyes, with the exception of those mentioned elsewhere in CLP Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
6-hydroxy-1-(3-isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile	6-ﾋﾄﾞﾛｷｼ-1-(3-ｲｿﾌﾟﾛﾎﾟｷｼﾌﾟﾛﾋﾟﾙ)-4-ﾒﾁﾙ-2-ｵｷｿ-5- [4-(ﾌｪﾆﾙｱｿﾞ)ﾌｪﾆﾙｱｿﾞ] -1,2-ｼﾞﾋﾄﾞﾛ-3-ﾋﾟﾘｼﾞﾝｶﾙﾎﾞﾆﾄﾘﾙ	85136-74-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
(6-(4-hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)-1,3,5-triazin-2,4-diyl)bis[(amino-1-methylethyl)ammonium] formate	(6-(4-ﾋﾄﾞﾛｷｼ-3-(2-ﾒﾄｷｼﾌｪﾆﾙｱｿﾞ)-2-ｽﾙﾎﾅﾄ-7-ﾅﾌﾁﾙｱﾐﾉ)-1,3,5-ﾄﾘｱｼﾞﾝ-2,4-ｼﾞｲﾙ)ﾋﾞｽ[(ｱﾐﾉ-1-ﾒﾁﾙｴﾁﾙ)ｱﾝﾓﾆｳﾑ] ｷﾞ酸塩	108225-03-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
trisodium [4'-(8-acetylamino-3,6-disulfonato-2-naphthylazo)-4''-(6-benzoylamino-3-sulfonato-2-naphthylazo)-biphenyl-1,3',3'',1'''-tetraolato-O,O',O'',O''']copper(II)	[4'-(8-ｱｾﾁﾙｱﾐﾉ-3,6-ｼﾞｽﾙﾎﾅﾄ-2-ﾅﾌﾁﾙｱｿﾞ)-4'-(6-ﾍﾞﾝｿﾞｲﾙｱﾐﾉ-3-ｽﾙﾎﾅﾄ-2-ﾅﾌﾁﾙｱｿﾞ)-ﾋﾞﾌｪﾆﾙ-1,3',3'',O',"']銅(II)-ﾃﾄﾗﾗｰﾄ-O,O ',O "	164058-22-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5．List of NSK Environmentally Harmful Substances（details）

Substance	Substance（in Japanese）	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(methylenebis(4,1-phenylenazo(1-(3-(dimethylamino)propyl)-1,2-dihydro-6-hydroxy-4-methyl-2-oxopyridine-5,3-diyl)))-1,1'-dipyridinium dichloride dihydrochloride	(ﾒﾁﾚﾝﾋﾞｽ(4,1-ﾌｪﾆﾚﾝｱｿﾞ(1-(3-(ｼﾞﾒﾁﾙｱﾐﾉ)ﾌﾟﾛﾋﾟﾙ)-1,2-ｼﾞﾋﾄﾞﾛ-6-ﾋﾄﾞﾛｷｼ-4-ﾒﾁﾙ-2-ｵｷｿﾋﾟﾘｼﾞﾝ-5,3-ｼﾞｲﾙ))) - 1,1'-ｼﾞﾋﾟﾘｼﾞﾆｳﾑｼﾞｸﾛﾘﾄﾞ二塩酸塩	118658-99-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
2-[2-hydroxy-3-(2-chlorophenyl)carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)carbamoyl-1-naphthylazo]fluoren-9-one	2-[2-ﾋﾄﾞﾛｷｼ-3-(2-ｸﾛﾛﾌｪﾆﾙ)ｶﾙﾊﾞﾓｲﾙ-1-ﾅﾌﾁﾙｱｿﾞ]-7-[2-ﾋﾄﾞﾛｷｼ-3-(3-ﾒﾁﾙﾌｪﾆﾙ)ｶﾙﾊﾞﾓｲﾙ-1-ﾅﾌﾁﾙｱｿﾞ]ﾌﾙｵﾚﾝ-9-ｵﾝ	151798-26-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
azafenidin (ISO); 2-(2,4-dichloro-5-prop-2-ynyloxyphenyl)-5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyridin-3(2H)-one	ｱｻﾞﾌｪﾆﾝ; 2-(2,4-ｼﾞｸﾛﾛ-5-ﾌﾟﾛﾊﾟ-2-ｲﾆﾙｵｷｼﾌｪﾆﾙ)-5,6,7,8-ﾃﾄﾗﾋﾄﾞﾛ-1,2,4-ﾄﾘｱｿﾞﾛ[4,3-a]ﾋﾟﾘｼﾞﾝ-3(2H)-ｵﾝ	68049-83-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
phenylhydrazine	#N/A	100-63-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
phenylhydrazinium chloride		59-88-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
phenylhydrazine hydrochloride		27140-08-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
phenylhydrazinium sulphate (2:1)		52033-74-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
salts of 3,3'-dimethoxybenzidine; salts of o-dianisidine		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
N,N'-diacetylbenzidine	N､N'-ｼﾞｱｾﾁﾙﾍﾞﾝｼﾞｼﾞﾝ	613-35-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		●	
salts of 3,3'-dichlorobenzidine; salts of 3,3'-dichlorobiphenyl-4,4'-ylenediamine		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
salts of biphenyl-4-ylamine; salts of xenylamine; salts of 4-aminobiphenyl		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
salts of 2,2'-dichloro-4,4'-methylenedianiline; salts of 4,4'-methylenebis(2-chloroaniline)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
salts of 4,4'-bi-o-toluidine; salts of 3,3'-dimethylbenzidine; salts of o-tolidine		64969-36-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
salts of 4,4'-bi-o-toluidine; salts of 3,3'-dimethylbenzidine; salts of o-tolidine		74753-18-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
1-methyl-3-nitro-1-nitrosoguanidine	1-ﾒﾁﾙ-3-ﾆﾄﾛ-1-ﾆﾄﾛｿｸﾞｱﾆｼﾞﾝ	70-25-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		●	
toluene-2,4-diammonium sulphate; 4-methyl-m-phenylenediamine sulfate	ﾄﾙｴﾝ-2,4-ｼﾞｱﾝﾓﾆｳﾑｽﾙﾌｧｰﾄ; 4-ﾒﾁﾙ-m-ﾌｪﾆﾚﾝｼﾞｱﾐﾝｽﾙﾌｪｰﾄ	65321-67-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
2,4,5-trimethylaniline hydrochloride [2]		21436-97-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
biphenyl-3,3',4,4'-tetrayltetraamine; diaminobenzidine	ﾋﾞﾌｪﾆﾙ-3,3 '､4,4'-ﾃﾄﾗｲﾙﾃﾄﾗｱﾐﾝ; ｼﾞｱﾐﾉﾍﾞﾝｼﾞｼﾞﾝ	91-95-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
(2-chloroethyl)(3-hydroxypropyl)ammonium chloride	(2-ｸﾛﾛｴﾁﾙ)(3-ﾋﾄﾞﾛｷｼﾌﾟﾛﾋﾟﾙ)ｱﾝﾓﾆｳﾑｸﾛﾗｲﾄﾞ	40722-80-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
chloro-N,N-dimethylformiminium chloride	ｸﾛﾛ-N､N-ｼﾞﾒﾁﾙﾎﾙﾑｲﾐﾆｳﾑｸﾛﾗｲﾄﾞ	3724-43-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
7-methoxy-6-(3-morpholin-4-yl-propoxy)-3H-quinazolin-4-one; [containing ≥ 0.5 % formamide (EC No 200-842-0)]	7-ﾒﾄｷｼ-6-(3-ﾓﾙﾎﾘﾝ-4-ｲﾙ - ﾌﾟﾛﾎﾟｷｼ)-3H-ｷﾅｿﾞﾘﾝ-4-ｵﾝ; [0.5%ﾎﾙﾑｱﾐﾄﾞ含有]	199327-61-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
3-amino-9-ethyl carbazole; 9-ethylcarbazol-3-ylamine	3-ｱﾐﾉ-9-ｴﾁﾙｶﾙﾊﾞｿﾞｰﾙ; 9-ｴﾁﾙｶﾙﾊﾞｿﾞｰﾙ-3-ｲﾙｱﾐﾝ	132-32-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			

5. List of NSK Environmentally Harmful Substances (details)

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triflumizole (ISO); (1E)-N-[4-chloro-2-(trifluoromethyl)phenyl]-1-(1H-imidazol-1-yl)-2-propoxyethanimine	ﾄﾘﾌﾙﾐｿﾞｰﾙ; (1E)-N- [4-ｸﾛﾛ-2-(ﾄﾘﾌﾙｵﾛﾒﾁﾙ)ﾌｪﾆﾙ] -1-(1H-ｲﾐﾀﾞｿﾞｰﾙ-1-ｲﾙ)-2-ﾌﾟﾛﾎﾟｷｼｴﾀﾝｲﾐﾝ	68694-11-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
methylhydrazine	ﾒﾁﾙﾋﾄﾞﾗｼﾞﾝ	60-34-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
ethyleneimine; aziridine	ｴﾁﾚﾝｲﾐﾝ; ｱｼﾞﾘｼﾞﾝ	151-56-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
tridemorph (ISO); 2,6-dimethyl-4-tridecylmorpholine	ﾄﾘﾃﾞﾓﾙﾌ; 2,6-ｼﾞﾒﾁﾙ-4-ﾄﾘﾃﾞｼﾙﾓﾙﾎﾙﾘﾝ	24602-86-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
2-methylaziridine; propyleneimine	2-ﾒﾁﾙｱｼﾞﾘｼﾞﾝ; ﾌﾟﾛﾋﾟﾚﾝｲﾐﾝ	75-55-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
captafol (ISO); 1,2,3,6-tetrahydro-N-(1,1,2,2-tetrachloroethylthio)phthalimide	ｷｬﾌﾟﾀﾌｫﾙ; 1,2,3,6-ﾃﾄﾗﾋﾄﾞﾛ-N-(1,1,2,2-ﾃﾄﾗｸﾛﾛｴﾁﾙﾁｵ)ﾌﾀﾙｲﾐﾄﾞ	2425-06-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
benomyl (ISO); methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate	ﾍﾞﾉﾐﾙ; ﾒﾁﾙ1-(ﾌﾞﾁﾙｶﾙﾊﾞﾓｲﾙ)ﾍﾞﾝｽﾞｲﾐﾀﾞｿﾞｰﾙ-2-ｲﾙｶﾙﾊﾞﾒｰﾄ	17804-35-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
carbadox (INN); methyl 3-(quinoxalin-2-ylmethylene)carbazate 1,4-dioxide; 2-(methoxycarbonylhydrazonomethyl)quinoxaline 1,4-dioxide	ｶﾙﾊﾞﾄﾞｯｸｽ; ﾒﾁﾙ3-(ｷﾉｷｻﾘﾝ-2-ｲﾙﾒﾁﾚﾝ)ｶﾙﾊﾞｾﾞｰﾄ 1,4-ｼﾞｵｷｼﾄﾞ; 2-(ﾒﾄｷｼｶﾙﾎﾞﾆﾙﾋﾄﾞﾗｼﾞﾉﾒﾁﾙ)ｷﾉｷｻﾘﾝ-1,4-ｼﾞｵｷｼﾄﾞ	6804-07-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
dimethomorph (ISO); (E,Z)- 4-(3-(4-chlorophenyl)- 3-(3,4-dimethoxyphenyl) acryloyl)morpholine		110488-70-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
1,2,4-triazole		288-88-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
cycloheximide (ISO); 4-{}{(2R)-2-[(1S,3S,5S)-3,5-dimethyl-2-oxocyclohexyl]-2-hydroxyethyl}}piperidine-2,6-dione	ｼｸﾛﾍｷｼﾐﾄﾞ; 4 - {} {(2R)-2 - [(1S､3S､5S)-3,5-ｼﾞﾒﾁﾙ-2-ｵｷｿｼｸﾛﾍｷｼﾙ] -2-ﾋﾄﾞﾛｷｼｴﾁﾙ}}ﾋﾟﾍﾟﾘｼﾞﾝ-2,6-ｼﾞｵﾝ	66-81-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
epoxiconazole (ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane	ｴﾎﾟｷｼｺﾅｿﾞｰﾙ; (2RS､3SR)-3-(2-ｸﾛﾛﾌｪﾆﾙ)-2-(4-ﾌﾙｵﾛﾌｪﾆﾙ)-[(1H-1,2,4-ﾄﾘｱｿﾞｰﾙ-1-ｲﾙ)ﾒﾁﾙ]ｵｷｼﾗﾝ	133855-98-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
quinoline	ｷﾉﾘﾝ	91-22-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
ketoconazole; 1-[4-[4-[[(2SR,4RS)-2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]ethanone	ｹﾄｺﾅｿﾞｰﾙ; 1- [4- [4 - [[(2SR､4RS)-2-(2,4-ｼﾞｸﾛﾛﾌｪﾆﾙ)-2-(ｲﾐﾀﾞｿﾞｰﾙ-1-ｲﾙﾒﾁﾙ)-1,3-ｼﾞｵｷｿﾗﾝ-4-ｲﾙ]ﾒﾄｷｼ]ﾌｪﾆﾙ] ﾋﾟﾍﾟﾗｼﾞﾝ-1-ｲﾙ]ｴﾀﾉﾝ	65277-42-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
potassium 1-methyl-3-morpholinocarbonyl-4-[3-(1-methyl-3-morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1-propenyl]pyrazole-5-olate; [containing > 0.5 % N,N-	1-ﾒﾁﾙ-3-ﾓﾙﾎﾘﾉｶﾙﾎﾞﾆﾙ-4- [3-(1-ﾒﾁﾙ-3-ﾓﾙﾎﾘﾉｶﾙﾎﾞﾆﾙ-5-ｵｷｿ-2-ﾋﾟﾗｿﾞﾘﾝ-4-ｲﾘﾃﾞﾝ)-1-ﾌﾟﾛﾍﾟﾆﾙ]ﾋﾟﾗｿﾞｰﾙ-5-ｵｰﾙｶﾘｳﾑ; [0.5%N､N-ｼﾞﾒﾁﾙﾎﾙﾑｱﾐﾄ含有]	183196-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
imidazole	ｲﾐﾀﾞｿﾞｰﾙ	288-32-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
triadimenol (ISO); (1RS,2RS;1RS,2SR)-1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol; α-tert-butyl-β-(4-chlorophenoxy)-1H-1,2,4-triazole-1-ethanol	ﾄﾘｱｼﾞﾒﾉｰﾙ; (1RS､2RS; 1RS､2SR)-1-(4-ｸﾛﾛﾌｪﾉｷｼ)-3,3-ｼﾞﾒﾁﾙ-1-(1H-1,2,4-ﾄﾘｱｿﾞｰﾙ-1-ｲﾙ)ﾌﾞﾀﾝ-2-ｵｰﾙ; α-tert-ﾌﾞﾁﾙ-β-(4-ｸﾛﾛﾌｪﾉｷｼ)-1H-1,2,4-ﾄﾘｱｿﾞｰﾙ-1-ｴﾀﾉｰﾙ	55219-65-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
quinolin-8-ol; 8-hydroxyquinoline	ｷﾉﾘﾝ-8-ｵｰﾙ; 8-ﾋﾄﾞﾛｷｼｷﾉﾘﾝ	148-24-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
halosulfuron-methyl (ISO); methyl 3-chloro-5-{[(4,6-dimethoxypyrimidin-2-yl)carbamoyl]sulfamoyl}-1-methyl-1H-pyrazole-4-carboxylate		100784-20-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
flurochloridone (ISO); 3-chloro-4-(chloro−methyl)-1-[3-(trifluor−omethyl)phenyl]pyrrolidin-2-one		61213-25-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
3-methylpyrazole		1453-58-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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theophylline; 1,3-dimethyl-3,7-dihydro-1H-purine-2,6-dione	#N/A	58-55-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
colchicine	ｺﾙﾋﾁﾝ	64-86-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime		96-29-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
thioacetamide	ﾁｵｱｾﾄｱﾐﾄﾞ	62-55-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
N-methylformamide	N-ﾒﾁﾙﾎﾙﾑｱﾐﾄﾞ	123-39-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
N-[6,9-dihydro-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-6-oxo-1H-purin-2-yl]acetamide	N- [6,9-ｼﾞﾋﾄﾞﾛ-9 - [[2-ﾋﾄﾞﾛｷｼ-1-(ﾋﾄﾞﾛｷｼﾒﾁﾙ)ｴﾄｷｼ]ﾒﾁﾙ] -6-ｵｷｿ-1H-ﾌﾟﾘﾝ-2-ｲﾙ]ｱｾﾄｱﾐﾄﾞ	84245-12-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
N,N-(dimethylamino)thioacetamide hydrochloride	N､N-(ｼﾞﾒﾁﾙｱﾐﾉ)ﾁｵｱｾﾄｱﾐﾄﾞ塩酸塩	27366-72-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
carbetamide (ISO); (R)-1-(ethylcarbamoyl)ethyl carbanilate; (2R)-1-(ethylamino)-1-oxopropan-2-yl phenylcarbamate	ｶﾙﾍﾞﾀﾐﾄﾞ; (R)-1-(ｴﾁﾙｶﾙﾊﾞﾓｲﾙ)ｴﾁﾙｶﾙﾊﾞﾆﾚｰﾄ; (2R)-1-(ｴﾁﾙｱﾐﾉ)-1-ｵｷｿﾌﾟﾛﾊﾟﾝ-2-ｲﾙﾌｪﾆﾙｶﾙﾊﾞﾒｰﾄ	16118-49-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
N-(2-nitrophenyl)phosphoric triamide	#N/A	874819-71-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Reaction mass of 3-(difluoromethyl)-1-methyl-N-[(1RS,4SR,9RS)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide and 3-(difluoromethyl)-1-methyl-N-[(1RS,4SR,9SR)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide [≥ 78% syn isomers ≤15% anti isomers relative content]; isopyrazam	#N/A	881685-58-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●		●	
bis(α,α-dimethylbenzyl) peroxide		80-43-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), benzole fraction, Light Oil; [A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists of hydrocarbons having carbon numbers primarily in the range of C4 to C10 and distilling in the approximate range of 80 °C to 160 °C (175 °F to 320 °		84650-02-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar oils, brown-coal; Light Oil; [The distillate from lignite tar boiling in the range of approximately 80°C to 250°C (176°F to 482°F). Composed primarily of aliphatic and aromatic hydrocarbons and monobasic phenols.]		94114-40-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Benzol forerunnings (coal); Light Oil Redistillate, low boiling; [The distillate from coke oven light oil having an approximate distillation range below 100°C (212°F). Composed primarily of C4 to C6		65996-88-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), benzole fraction, BTX-rich; Light Oil Redistillate, low boiling; [A residue from the distillation of crude benzole to remove benzole fronts. Composed primarily of benzene, toluene and xylenes boiling in the range of approximately 75°C to 200°C (167°F to		101896-26-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C6-10, C8-rich; Light Oil Redistillate, low boiling		90989-41-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Solvent naphtha (coal), light; Light Oil Redistillate, low boiling		85536-17-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Solvent naphtha (coal), xylene-styrene cut; Light Oil Redistillate, intermediate boiling		85536-20-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Solvent naphtha (coal), coumarone-styrene contg.; Light Oil Redistillate, intermediate boiling		85536-19-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Naphtha (coal), distn. residues; Light Oil Redistillate, high boiling; [The residue remaining from the distillation of recovered naphtha. Composed primarily of naphthalene and condensation products of indene and styrene.]		90641-12-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C8; Light Oil Redistillate, high boiling		90989-38-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C8-9, hydrocarbon resin polymn. by-product; Light Oil Redistillate, high boiling; [A complex combination of hydrocarbons obtained from the evaporation of solvent under vacuum from polymerized hydrocarbon resin. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8		91995-20-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C9-12, benzene distn.; Light Oil Redistillate, high boiling		92062-36-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), benzole fraction alk., acid ext.; Light Oil Extract Residues, low boiling; [The redistillate from the distillate, freed of tar acids and tar bases, from bituminous coal high temperature tar boiling in the approximate range of 90°C to 160°C (194°F to 320°F). It consists		91995-61-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal tar), benzole fraction alk., acid ext.; Light Oil Extract Residues, low boiling; [A complex combination of hydrocarbons obtained by the redistillation of the distillate of high temperature coal tar (tar acid and tar base free). It consists predominantly of unsubstituted and substituted mononuclear aromatic		101316-63-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), benzole fraction acid; Light Oil Extract Residues, low boiling; [An acid sludge by-product of the sulfuric acid refining of crude high temperature coal. Composed primarily of sulfuric acid and organic compounds.]		93821-38-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), light oil alk., distn. overheads; Light Oil Extract Residues, low boiling; [The first fraction from the distillation of aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oil boiling substantially below 145°C (293°F). Composed primarily of C7 and C8		90641-02-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), light oil alk., acid ext., indene fraction; Light Oil Extract Residues, intermediate boiling		101316-62-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), light oil alk., indene naphtha fraction; Light Oil Extract Residues, high boiling; [The distillate from aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oils, having an approximate boiling range of 155°C to 180°C (311°F to 356°F).		90641-03-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Solvent naphtha (coal); Light Oil Extract Residues, high boiling; [The distillate from either high temperature coal tar, coke oven light oil, or coal tar oil alkaline extract residue having an approximate distillation range of 130°C to 210°C (266°F to 410°F). Composed primarily of indene and other polycyclic ring systems containing a single aromatic ring. May contain phenolic		65996-79-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), light oils, neutral fraction; Light Oil Extract Residues, high boiling; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of alkyl-substituted one ring aromatic hydrocarbons boiling in the range of approximately 135°C to 210°C (275°F to 410°F). May also include		101794-90-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), light oils, acid exts., Light Oil Extract Residues, high boiling; [This oil is a complex reaction mass of aromatic hydrocarbons, primarily indene, naphthalene, coumarone, phenol, and o-, m- and p-cresol and boiling in the range of		90640-87-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), light oils, Cal boilc Oil, [A complex combination of hydrocarbons obtained by distillation of coal tar. It consists of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills at the approximate range of 150°C to 210°		84650-03-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tar oils, coal, Carbolic Oil; [The distillate from high temperature coal tar having an approximate distillation range of 130°C to 250°C (266°F to 410°F). Composed primarily of naphthalene, alkylnaphthalene, phenolic compounds		65996-82-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), light oil alk., acid ext.; Carbolic Oil Extract Residue; [The oil resulting from the acid washing of alkali-washed carbolic oil to remove the minor amounts of basic compounds (tar bases). Composed primarily of indene, indan and		90641-01-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), tar oil alk.; Carbolic Oil Extract Residue; [The residue obtained from coal tar oil by an alkaline wash such as aqueous sodium hydroxide after the removal of crude coal tar acids. Composed primarily of naphthalene and phenolic		65996-87-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract oils (coal), light oil; Acid Extract; [The aqueous extract produced by an acidic wash of alkali-washed carbolic oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.]		90640-99-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Pyridine, alkyl derivs.; Crude Tar Bases; [The complex combination of polyalkylated pyridines derived from coal tar distillation or as high-boiling distillates approximately above 150°C (302°F) from the reaction of ammonia with acetaldehyde, formaldehyde or paraformaldehyde.]		68391-11-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar bases, coal, picoline fraction; Distillate Bases; [Pyridine bases boiling in the range of approximately 125°C to 160°C (257°F 320°F) obtained by distillation of neutralized acid extract of the base-containing tar fraction obtained by the distillation of bituminous coal tars.		92062-33-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar bases, coal, lutidine fraction; Distillate Bases		91082-52-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract oils (coal), tar base, collidine fraction; Distillate Bases; [The extract produced by the acidic extraction of bases from crude coal tar aromatic oils, neutralization, and distillation of the bases. Composed primarily of collidines, pailine		68937-63-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar bases, coal, collidine fraction; Distillate Bases; [The distillation fraction boiling in the range of approximately 181 °C to 186 °C (356 °F to 367 °F) from the crude bases obtained from the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of bituminous		92062-28-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar bases, coal, aniline fraction; Distillate Bases; [The distillation fraction boiling in the range of approximately 180 °C to 200 °C (356 °F to 392 °F) from the crude bases obtained by dephenolating and debasing the carbolated oil from the distillation of coal tar. It contains chiefly		92062-27-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar bases, coal, toluidine fraction; Distillate Bases		91082-53-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), alkene-alkyne manuf. pyrolysis oil, mixed with high-temp. coal tar, indene fraction; Redistillates; [A complex combination of hydrocarbons obtained as a redistillate from the fractional distillation of bituminous coal high temperature tar and residual oils that are obtained by the pyrolytic production of alkenes and alkynes from petroleum products or natural gas. It consists predominantly of indene and boils		91995-31-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal), coal tar-residual pyrolysis oils, naphthalene oils; Redistillates; [The redistillate obtained from the fractional distillation of bituminous coal high temperature tar and pyrolysis residual oils and boiling in the range of approximately 190°C to 270°C (374°F to 518°F).		91995-35-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oil, redistillate; Redistillates; [The redistillate from the fractional distillation of dephenolated and debased methylnaphthalene oil obtained from bituminous coal high temperature tar and pyrolysis residual oils boiling in the approximate range of 220°C to 230°C (428°F to 446°F). It consists		91995-66-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oils; Redistillates; [A neutral oil obtained by debasing and dephenolating the oil obtained from the distillation of high temperature tar and pyrolysis residual oils which has a boiliing range of 225°C to		122070-79-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Extract oils (coal), coal tar residual pyrolysis oils, naphthalene oil, distn. residues; Redistillates; [Residue from the distillation of dephenolated and debased methylnaphthalene oil (from bituminous coal tar and pyrolysis residual oils) with a boiling range of 240°C to 260°C (464°F to 500°F). Composed primarily of substituted		122070-80-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained as a redistillate from the distillation of wash oil. It consists predominantly of 2-ringed aromatic and heterocyclic hydrocarbons boiling in the		101316-45-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), upper, fluorene-rich; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists af aromatic and polycyclic hydrocarbons primarily fluorene and some		84989-11-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Creosote oil, acenaphthene fraction, acenaphthene-free; Wash Oil Redistillate; [The oil remaining after removal by a crystallization process of acenaphthene from acenaphthene oil from coal tar. Composed primarily of naphthalene and		90640-85-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), heavy oils; Heavy Anthracene Oil; [Distillate from the fractional distillation of coal tar of bituminous coal, with boiling range of 240 °C to 400 °C (464 °F to 752 °F). Composed primarily of tri- and polynuclear hydrocarbons and heteroc		90640-86-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Anthracene oil, acid ext.; Anthracene Oil Extract Residue; [A complex combination of hydrocarbons from the base-freed fraction obtained from the distillation of coal tar and boiling in the range of approximately 325 °C to 365 °C (617 °F to 689 °F). It contains predominantly		91995-14-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), Heavy Anthracene Oil; [The distillate from coal tar having an approximate distillation range of 100 °C to 450 °C (212 °F to 842 °F). Composed primarily of two to four membered condensed ring aromatic hydrocarbons,		65996-92-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), pitch, heavy oils; Heavy Anthracene Oil; [The distillate from the distillation of the pitch obtained from bituminous high temperature tar. Composed primarily of tri- and polynuclear aromatic hydrocarbons and boiling in the range of approximately 300 °C to 470 °C		91995-51-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), pitch, Heavy Anthracene Oil; [The oil obtained from condensation of the vapors from the heat treatment of pitch. Composed primarily of two- to four-ring aromatic compounds boiling in the range of 200 °C to greater than 400 °C (392 °F to greater than 752 °		101316-49-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), heavy oils, pyrene fraction; Heavy Anthracene Oil Redistillate; [The redistillate obtained from the fractional distillation of pitch distillate boiling in the range of approximately 350 ° C to 400 °C (662 °F to 752 °F). Consists predominantly of tri- and polynuclear		91995-42-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), pitch, pyrene fraction; Heavy Anthracene Oil Redistillate; [The redistillate obtained from the fractional distillation of pitch distillate and boiling in the range of approximately 380 °C to 410 °C (716 to 770 °F). Composed primarily of tri- and polynuclear aromatic		91995-52-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated; Coal Tar Extract; [A complet combination of hydrocarbons obtained by the treatment of lignite carbonization tar with activated carbon for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain		97926-76-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Paraffin waxes (coal), brown-coal high-temp tar, clay-treated; Coal Tar Extract; [A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with bentonite for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain		97926-77-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Pitch; Pitch		61789-60-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pitch, coal tar, high-temp., heat-treated; Pitch; [The heat treated residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 80 °C to 180 °C (176 °F to 356 °F). Composed primarily of a complex mixture of three or more membered		121575-60-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Pitch, coal tar, high-temp., secondary; Pitch Redistillate; [The residue obtained during the distillation of high boiling fractions from bituminous coal high temperature tar and/or pitch coke oil, with a softening point of 140 °C to 170 °C (284 °F to 392 °F) according to DIN 52025. Composed primarily of tri- and polynuclear		94114-13-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (coal tar), pitch distn.; Pitch Redistillate; [Residue from the fractional distillation of pitch distillate boiling in the range of approximately 400 °C to 470 °C (752 °F to 846 °F). Composed primarily of polynuclear aromatic hydrocarbons, and heterocyclic compounds.]		92061-94-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, coal, high-temp., distn. and storage residues; Coal Tar Solids Residue; [Coke- and ash-containing solid residues that separate on distillation and thermal treatment of bituminous coal high temperature tar in distillation installations and storage vessels. Consists predominantly of carbon and contains a		92062-20-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, coal, storage residues; Coal Tar Solids Residue; [The deposit removed from crude coal tar storages. Composed primarily of coal tar and carbonaceous particulate matter.]		91082-50-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, coal, high-temp., residues; Coal Tar Solids Residue; [Solids formed during the coking of bituminous coal to produce crude bituminous coal high temperature tar. Composed primarily of coke and coal particles, highly aromatized compounds and mineral substances.]		100684-51-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, coal, high-temp., high-solids; Coal Tar Solids Residue; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 °C (1292 °F)) destructive distillation of coal. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons		68990-61-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Waste solids, coal-tar pitch coking; Coal Tar Solids Residue; [The combination of wastes formed by the coking of bituminous coal tar pitch. It consists predominantly of		92062-34-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), brown; Coal Tar Extract; [The residue from extraction of dried coal.]		91697-23-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Paraffin waxes (coal), brown-coal-high-temp. tar; Coal Tar Extract; [A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process. It consists predominantly of straight and branched chain saturated hydrocarbons		92045-71-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Paraffin waxes (coal), brown-coal-high-temp. tar, hydrotreated; Coal Tar Extract; [A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process treated with hydrogen in the presence of a catalyst. It consists predominantly of straight and branched chain saturated		92045-72-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated; Coal Tar Extract; [A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with silicic acid for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain		97926-78-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, coal, low-temp., distn. residues; Tar Oil, intermediate boiling; [Residues from fractional distillation of low temperature coal tar to remove oils that boil in a range up to approximately 300 °C (572 °F).		101316-85-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, coal, low-temp., pitch residue; [A complex black solid or semi-solid obtained from the distillation of a low temperature coal tar. It has a softening point within the approximate range of 40 °C to 180 °C (104 °F to 356 °F). Composed primarily of a complex mixture of hydrocarbons.]		90669-57-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Pitch, coal tar, low-temp., oxidized; Pitch Residue, oxidised; [The product obtained by air-blowing, at elevated temperature, low-temperature coal tar pitch. It has a softening-point within the approximate range of 70 °C to 180 °C (158 °F to 356 °F). Composed primarily of a complex		90669-59-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Pitch, coal tar, low-temp., heat-treated; Pitch Residue, oxidised; Pitch Residue, heat-treated; [A complex black solid obtained by the heat treatment of low temperature coal tar pitch. It has a softening point within the approximate range of 50 °C to 140 °C (122 °F to 284 °		90669-58-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal-petroleum), condensed-ring arom; Distillates; [The distillate from a mixture of coal and tar and aromatic petroleum streams having an approximate distillation range of 220 °C to 450 °C (428 °F to 842 °F). Composed primarily of 3- to 4-membered condensed ring aromatic		68188-48-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through		101794-74-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived; Pyrolysis Products; [A complex combination of hydrocarbons obtained from mixed coal tar pitch-polyethylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through		101794-75-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived; Pyrolysis Products; [A complex combination of hydrocarbons obtained from mixed coal tar pitch-polystyrene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a		101794-76-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Pitch, coal tar-petroleum; Pitch Residues; [The residue from the distillation of a mixture of coal tar and aromatic petroleum streams. A solid with a softening point from 40 °C to 180 °C (140 °F to 356 °F). Composed primarily of a complex combination of three or more membered		68187-57-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Phenanthrene, distn. residues; Heavy Anthracene Oil Redistillate; [Residue from the distillation of crude phenanthrene boiling in the approximate range of 340 °C to 420 °C (644 °F to 788 °F). It consists predominantly of phenanthrene		122070-78-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), upper, fluorene-free; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic polycyclic hydrocarbons, primarily diphenyl, diphenylene oxide		84989-10-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (coal tar), creosote oil distn.; Wash Oil Redistillate; [The residue from the fractional distillation of wash oil boiling in the approximate range of 270°C to 330° C (518°F to 626°F). It consists predominantly of divalent aromatic and		92061-93-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, coal; Coal tar; [The by-product from the destructive distillation of coal. Almost black semisolid. A complex combination of aromatic hydro-carbons, phenolic compounds, nitrogen bases and		8007-45-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, coal, high-temp.; Coal tar; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 °C (1292 °F)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons.		65996-89-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, coal, low-temp.; Coal oil; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in low temperature (less than 700 °C (1292 °F)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of condensed ring aromatic hydrocarbons,		65996-90-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Distillates (coal), coke-oven light oil, naphthalene cut; Naphthalene Oil; [The complex combination of hydrocarbons obtained from prefractionation (continuous distillation) of coke oven light oil. It consists predominantly of naphthalene, monomethyl and dimethyl and trimethyl benzenes and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Contains chiefly naphthalene.]		85029-51-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), naphthalene oils, naphthalene-low; Naphthalene Oil Redistillate; [A complex combination of hydrocarbons obtained by crystallization of naphthalene oil. Composed primarily of naphthalene, alkyl naphthalenes and biphenyl.]		84989-09-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), naphthalene oil crystn. mother liquor; Naphthalene Oil Redistillate; [A complex combination of organic compounds obtained as a filtrate from the crystallization of the naphthalene fraction from coal tar and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Contains chiefly naphthalene.]		91995-49-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), naphthalene oil, alk.; Naphthalene Oil Extract Residue; [A complex combination of hydrocarbons obtained from the alkali washing of naphthalene oil to remove phenolic compounds (tar acids). It is composed of naphthalene and alkyl naphthalenes.]		121620-47-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), naphthalene oil, alk., naphthalene-low; Naphthalene Oil Extract Residue; [A complex combination of hydrocarbons remaining after the removal of naphthalene from alkali-washed naphthalene oil by a crystallization process. It is composed primarily of naphthalene and alkyl naphthalenes.]		121620-48-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), naphthalene oils, naphthalene-free, alk. exts.; Naphthalene Oil Extract Residue; [The oil remaining after the removal of phenolic compounds (tar acids) from drained naphthalene oil by an alkali wash. Composed primarily of alkyl benzenes and indans.]		90640-90-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), naphthalene oil alk., distn. overheads; Naphthalene Oil Extract Residue; [The distillate from alkali-washed naphthalene oil having an approximate distillation range of 180°C to 220°C (356°F to 428°F). Composed primarily of naphthalene, alkylbenzenes and indans.]		90641-04-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), naphthalene oils, methylnaphthalene fraction; Methylnaphthalene Oil; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of substituted two ring aromatic hydrocarbons and aromatic nitrogen bases boiling in the range of approximately 240°C to 250°C (464°F to 482°F).]		101896-27-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), naphthalene oils, indole-methylnaphthalene fraction; Methylnaphthalene Oil; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of indole and methylnaphthalene boiling in the range of approximately 235°C to 255° C (455°F to 491°F).]		101794-91-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), naphthalene oils, acid exts.; Methylnaphthalene Oil Extract Residue; [A complex combination of hydrocarbons obtained by debasing the methylnaphthalene fraction obtained by the distillation of coal tar and boiling in the range of approximately 230°C to 255°C (446°F to 491°F). Contains chiefly 1(2)-methylnaphthalene.]		91995-48-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), naphthalene oil alk., distn. residues; Methylnaphthalene Oil Extract Residue; [The residue from the distillation of alkali-washed naphthalene oil having an approximate distillation range of 220°C to 300°C (428°F to 572°F). Composed primarily of naphthalene, alkylbenzenes and indans.]		90641-05-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract oils (coal), acidic, tar-base free; Methylnaphthalene Oil Extract Residue; [The extract oil boiling in the range of approximately 220°C to 265°C (428°F to 509°F) from coal tar alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove tar bases. Composed primarily of methylnaphthalenes.]		84989-12-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), benzole fraction, distn. residues; Wash Oil; [A complex combination of hydrocarbons obtained from the distillation of crude benzole (high temperature coal tar). It may be a liquid with the approximate distillation range of 150°C to 300°C (302°F to 572°F) or a semi-solid or solid with a melting point up to 80°C (176°F). Composed primarily of naphthalene, alkylbenzenes and indans.]		121620-46-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), creosote oil acid; Wash Oil Extract Residue; [A complex combination of hydrocarbons from the base-freed fraction from the distillation of coal tar, boiling in the range of approximately 250°C to 280°C (482°F to 536°F). It consists predominantly of methylnaphthalenes.]		122384-77-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Residues (coal tar), anthracene oil distn.; Anthracene Oil Fraction; [The residue from the fraction distillation of crude anthracene boiling in the approximate range of 340°C to 400°C (644°F to 752°F). It consists predominantly of tri- and polynuclear aromatic and heterocyclic hydrocarbons.]		92061-92-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Anthracene oil, anthracene paste, carbazole fraction; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous coal high temperature tar and boiling in the approximate range of 350°C to 360°C]		91995-16-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar oils, coal, low-temp.; Tar Oil, high boiling; [A distillate from low-temperature coal tar. Composed primarily of hydrocarbons, phenolic compounds and aromatic nitrogen bases boiling in the range of approximately 150°C to 340°C]		101316-87-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Phenols, ammonia liquor ext.; Alkaline Extract; [The combination of phenols extracted, using isobutyl acetate, from the ammonia liquor condensed from the gas evolved in low-temperature (less than 700°C (1292°F)) destructive distillation of coal. It consists predominantly of a		84988-93-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), light oils, alk. exts.; Alkaline Extract; [The aqueous extract from carbolic oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of		90640-88-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts, coal tar oil alk.; Alkaline Extract; [The extract from coal tar oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic		65996-83-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal tar), naphthalene oils, alk. exts.; Alkaline Extract; [The aqueous extract from naphthalene oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic		90640-89-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extract residues (coal), tar oil alk., carbonated, limed; Crude Phenols; [The product obtained by treatment of coal tar oil alkaline extract with CO2 and CaO. Composed primarily of CaCO3, Ca(OH)2, Na2CO3 and other organic and inorganic		90641-06-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, brown-coal, crude; Crude Phenols; [An acidified alkaline extract of brown coal tar distillate. Composed primarily of phenol and phenol homologs.]		101316-86-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, brown-coal gasification; Crude Phenols; [A complex combination of organic compounds obtained from brown coal gasification. Composed primarily of C6-10 hydroxy aromatic phenols and their		92062-22-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, distn. residues; Distillate Phenols; [A residue from the distillation of crude phenol from coal. It consists predominantly of phenols having carbon numbers in the range of C8 through C10 with a softening point of 60°C to 90°C		96690-55-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, methylphenol fraction; Distillate Phenols; [The fraction of tar acid rich in 3- and 4-methylphenol, recovered by distillation of low-temperature coal tar		84989-04-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, polyalkylphenol fraction; Distillate Phenols; [The fraction of tar acids, recovered by distillation of low-temperature coal tar crude tar acids, having an approximate boiling range of 225°C to 230°C (437°F to 698°F)		84989-05-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, xylenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 2,4- and 2,5-dimethylphenol, recovered by distillation of low-temperature coal tar		84989-06-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, ethylphenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3- and 4-ethylphenol, recovered by distillation of low-temperature coal tar		84989-03-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, 3,5-xylenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3,5-dimethylphenol, recovered by distillation of low-temperature coal tar		84989-07-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, residues, distillates, first-cut; Distillate Phenols; [The residue from the distillation in the range of 235°C to 355°C (481°F to 697°F) of light carbolic oil.]		68477-23-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar acids, cresylic, residues; Distillate Phenols; [The residue from crude coal tar acids after removal of phenol, cresols, xylenols and any higher boiling phenols. A black solid with a melting point approximately 80°C (176°F). Composed primarily of polyalkylphenols, resin gums		68555-24-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Phenols, C9-11; Distillate Phenols		91079-47-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

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Tar acids, cresylic; Distillate Phenols; [A complex combination of organic compounds obtained from brown coal and boiling in the range of approximately 200° C to 230°C (392°F to 446°F). It contains chiefly phenols and cresols and xylidine bases.]		92062-26-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Tar acids, brown coal, C2-alkylphenol fraction; Distillate Phenols; [The distillate from the acidification of alkaline washed lignite tar distillate boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Composed primarily of m- and p-ethylphenol, as well as cresols and xylenols.]		94114-29-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extract oils (coal), naphthalene oils; Acid Extract; [The aqueous extract produced by an acidic wash of alkali-washed naphthalene oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and quinoline derivatives.]		90641-00-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Tar bases, quinoline derivs.; Distillate Bases		68513-87-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Tar bases, coal, quinoline derivs. fraction; Distillate Bases		70321-67-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Tar bases, coal, distn. residues; Distillate Bases; [The distillation residue remaining after the distillation of the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of coal tars. It contains chiefly aniline, collidines, quinoline and quinoline derivatives and homologs.]		92062-29-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Hydrocarbon oils, arom., mixed with polyethylene and polypropylene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of a polyethylene/polypropylene reaction mass with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 80°C to 200°C (176°F to 392°F).]		100801-63-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Hydrocarbon oils, arom., mixed with polyethylene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of polyethylene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 80°C to 200°C (176°F to 392°F).]		100801-65-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Hydrocarbon oils, arom., mixed with polystyrene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of polystyrene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 80°C to 200°C (176°F to 392°F).]		100801-66-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extract residues (coal), tar oil alk., naphthalene distn. residues; Naphthalene Oil Extract Residue; [The residue obtained from chemical oil extracted after the removal of naphthalene by distillation composed primarily of two to four benzenoid aromatic ring systems.]		73665-18-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Creosote oil, low-boiling distillate; Wash Oil; [The low-boiling distillation fraction obtained from the high temperature carbonization of bituminous coal, which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of anthracene oil, removed.]		70321-80-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Tar acids, cresylic, sodium salts, caustic solns.; Alkaline Extract		68815-21-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extract oils (coal), tar base; Acid Extract; [The extract from coal tar oil alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove naphthalene. Composed primarily of the acid salts of various aromatic nitrogen bases including pyridine, quinoline and quinoline derivatives.]		65996-86-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Tar bases, coal, crude; Crude Tar bases; [The reaction product obtained by neutralizing coal tar base extract oil with an alkaline solution, such as aqueous sodium hydroxide, to obtain the free bases. Composed primarily of such organic bases as pyridine, phenanthridine, acridine, benzoquinoline and their homologs.]		65996-84-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Residues (coal), liq. solvent extn.; [A cohesive powder composed of coal mineral matter and undissolved coal remaining after extraction of coal by a liquid solvent.]		94114-46-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			

5. List of NSK Environmentally Harmful Substances (details)

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Coal liquids, liq. solvent extn. soln.; [The product obtained by filtration of coal mineral matter and undissolved coal from coal extract solution produced by digesting coal in a liquid solvent. A black, viscous, highly complex liquid combination composed primarily of aromatic and partly hydro-genated aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic and other		94114-47-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Coal liquids, liq. solvent extn.; [The substantially solvent-free product obtained by the distillation of the solvent from filtered coal extract solution produced by digesting coal in a liquid solvent. A black semi-solid, composed primarily of a complex combination of condensed-ring aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds,		94114-48-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, brown-coal, [An oil distilled from brown-coal tar. Composed primarily of aliphatic, naphthenic and one- to three-ring aromatic hydrocarbons, their alkyl derivatives, heteroaromatics and one- and two-ring phenols boiling in the range of approximately 150 °C to 260 °C (302 °F to		101316-83-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tar, brown-coal, low-temp., [A tar obtained from low temperature carbonization and low temperature gasification of brown coal. Composed primarily of aliphatic, naphthenic and cyclic aromatic hydrocarbons, heteroaromatic,		101316-84-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Light oil (coal), coke-oven, crude benzole, [The volatile organic liquid extracted from the gas evolved in the high temperature (greater than 700°C (1292°F)) destructive distillation of coal. Composed primarily of benzene, toluene, and xylenes. May contain thiophene, hydrocarbons		65996-78-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal), liq. solvent extn., primary; [The liquid product of condensation of vapors emitted during the digestion of coal in a liquid solvent and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of partly hydrogenated condensed-ring aromatic hydrocarbons, aromatic compounds containing nitrogen, oxygen and sulfur, and their alkyl		94114-52-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal), solvent extn., hydrocracked; [Distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C4 through		94114-53-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (coal), solvent extn., hydrocracked; [Fraction of the distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 180°C (86°F to 356°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C4 to C9. Nitrogen, sulfur and oxygen containing		94114-54-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gasoline, coal solvent extn., hydrocracked naphtha; [Motor fuel produced by the reforming of the refined naphtha fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30 °C to 180 °C (86 °F to 356 °F). Composed primarily of aromatic and naphthenic hydrocarbons.		94114-55-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (coal), solvent extn., hydrocracked middle; [Distillate obtained from the hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 300°C (356°F to 572°F. Composed primarily of two-ring aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes having carbon numbers predominantly in the range of C9		94114-56-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Distillates (coal), solvent extn., hydrocracked hydrogenated middle; [Distillate from the hydrogenation of hydrocracked middle distillate from coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 280°C (356°F to 536°F). Composed primarily of hydrogenated two- ring carbon compounds		94114-57-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Light oil (coal), semi-coking process, Fresh oil; [The volatile organic liquid condensed from the gas evolved in the low-temperature (less than 700°C (1292°F)) destructive distillation of coal. Composed		90641-11-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), light naphthenic distillate solvent		64742-03-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), heavy paraffinic distillate solvent		64742-04-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), light paraffinic distillate solvent		64742-05-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), heavy naphthenic distillate solvent		64742-11-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), light vacuum gas oil solvent		91995-78-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
hydrocarbons C26-55, arom-rich		97722-04-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), atm. tower; Heavy Fuel oil; [A complex residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered		64741-45-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and boiling in the range of approximately 350 °C to 600 °C (662 °F to 1112 °F). This stream is likely to contain 5 wt. % or more of 4-to 6-membered		64741-57-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), heavy catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C35 and boiling in the range of approximately 260 °C to 500 °C (500 °F to 932 °F). This stream is likely to contain 5		64741-61-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Clarified oils (petroleum), catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5		64741-62-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), hydrocracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the products of a hydrocracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and		64741-75-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), thermal cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. %		64741-80-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Distillates (petroleum), heavy thermal cracked; Heavy Fuel oil; [A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C15 through C36 and boiling in the range of approximately 260 °C to 480 °C (500 °F to 896 °F). This stream is likely to contain 5 wt. % or more of 4- to		64741-81-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), hydrotreated vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C50 and boiling in the range of approximately 230 °C to 600 °C (446 °F to 1112 °F). This stream is likely to contain		64742-59-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), hydrodesulfurized atmospheric tower; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating an atmospheric tower residuum with hydrogen in the presence of a catalyst under conditions primarily to remove organic sulfur compounds. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5		64742-78-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), hydrodesulfurized heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and boiling in the range of approximately 350 °C to 600 °C (662 °F to 1112 °C). This stream is likely to contain 5 wt. % or more of 4- to		64742-86-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), steam-cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained as the residual fraction from the distillation of the products of a steam cracking process (including steam cracking to produce ethylene). It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C14 and boiling above approximately 260 °C (500 °F). This stream is likely to contain 5		64742-90-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), atmospheric; Heavy Fuel oil; [A complex residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C11 and boiling above approximately 200 °C (392 °F). This stream is likely to contain 5 wt. % or more of 4-to 6-membered		68333-22-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Clarified oils (petroleum), hydrodesulfurized catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating catalytic cracked clarified oil with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. %		68333-26-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrodesulfurized intermediate catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating intermediate catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C30 and boiling in the range of approximately 205 °C to 450 °C (401 °F		68333-27-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrodesulfurized heavy catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treatment of heavy catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C35 and boiling in the range of approximately 260 °C to 500 °C (500 °F to 932 °F). This stream is likely to contain 5		68333-28-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Fuel oil, residues-straight-run gas oils, high-sulfur; Heavy Fuel oil		68476-32-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fuel oil, residual; Heavy Fuel oil; [The liquid product from various refinery streams, usually residues. The composition is complex and varies with the source of the crude oil.]		68476-33-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), catalytic reformer fractionator residue distn.; Heavy Fuel oil; [A complex residuum from the distillation of catalytic reformer fractionator residue. It boils approximately above 399 °C (750 °		68478-13-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), heavy coker gas oil and vacuum gas oil; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and vacuum gas oil. It predominantly consists of hydrocarbons having carbon numbers predominantly greater than C13 and		68478-17-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), heavy coker and light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and light vacuum gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C13 and		68512-61-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), light vacuum; Heavy Fuel oil; [A complex residuum from the vacuum distillation of the residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater		68512-62-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), steam-cracked light; Heavy Fuel oil; [A complex residuum from the distillation of the products from a steam-cracking process. It consists predominantly of aromatic and unsaturated hydrocarbons having carbon numbers greater than C7 and boiling in the		68513-69-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Fuel oil, No 6; Heavy Fuel oil; [A distillate oil having a minimum viscosity of 900 SUS at 37.7 °C (100 °F) to a maximum of 9000 SUS at 37.7 °C (100 °F).]		68553-00-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), topping plant, low-sulfur; Heavy Fuel oil; [A low-sulfur complex combination of hydrocarbons produced as the residual fraction from the topping plant distillation of crude oil. It is the residuum after the straight-run		68607-30-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), heavy atmospheric; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C35 and boiling in the range of approximately 121 °C to 510		68783-08-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), coker scrubber, Condensed-ring-arom.-contg.; Heavy Fuel oil; [A very complex combination of hydrocarbons produced as the residual fraction from the distillation of vaccum residuum and the products from a thermal cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 ° F). This stream is likely to contain 5 wt %		68783-13-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), petroleum residues vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from the atmospheric distillation of crude		68955-27-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), steam-cracked, resinous; Heavy Fuel oil; [A complex residuum from the distillation of steam-cracked petroleum residues.]		68955-36-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), intermediate vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum, distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C14 through C42 and boiling in the range of approximately 250 °C to 545 °C (482 °F to 1013 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered		70592-76-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C35 and boiling in the range		70592-77-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having numbers predominantly in the range of C15 through C50 and boiling in the range of approximately 270 °C to 600 °C (518 °F to 1112 °F). This stream is likely to contain 5		70592-78-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), hydrodesulfurized coker heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by hydrodesulfurization of heavy coker distillate stocks, It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C18 to C44 and boiling in the range of approximately 304 °C to 548 °C (579 °F to 1018 °F). Likely to contain 5 % or more		85117-03-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), steam-cracked, distillates; Heavy Fuel oil; [A complex combination of hydrocarbons obtained during the production of refined petroleum tar by the distillation of steam cracked tar. It consists predominantly of aromatic and		90669-75-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), vacuum; Heavy Fuel oil; [A complex residuum from the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists predominantly of hydrocarbons having carbon numbers predominantly		90669-76-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
[A complex combination of hydrocarbons obtained by the distillation of crude petroleum. It consists predominantly of aliphatic, aromatic and cycloaliphatic hydrocarbons having carbon numbers		92045-14-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), catalytic cracking; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly		92061-97-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), intermediate catalytic cracked, thermally degraded; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 220 °C to 450 °C (428 °F to		92201-59-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum), Heavy Fuel oil; [A complex combination of hydrocarbons, sulfur compounds and metal-containing organic compounds obtained as the residue from refinery fractionation cracking processes. It produces a finished oil with a		93821-66-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues, steam-cracked, thermally treated; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the treatment and distillation of raw steam-cracked naphtha. It consists predominantly of unsaturated		98219-64-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrodesulfurized full-range middle; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating a petroleum stock with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling in the range of		101316-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), catalytic reformer fractionator; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C10 through C25 and boiling in the range of approximately 160 °C to 400 °C (320 °F to 725 °F). This stream is likely to contain 5		64741-67-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petroleum; Crude oil; [A complex combination of hydrocarbons, It consists predominantly of aliphatic, alicyclic and aromatic hydrocarbons. It may also contain small amounts of nitrogen, oxygen and sulfur compounds. This category encompasses light, medium, and heavy petroleums, as well as the oils extended from tar sands. Hydrocarbonaceous materials requiring major chemical changes for their recovery or conversion to petroleum refinery feedstocks such as		8002-05-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

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Distillates (petroleum), light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion		64741-50-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °		64741-51-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of		64741-52-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of		64741-53-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), acid-treated heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F		64742-18-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), acid-treated light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F		64742-19-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), acid-treated heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and		64742-20-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), acid-treated light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and		64742-21-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), chemically neutralized heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained from a treating process to remove acidic materials. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F		64742-27-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), chemically neutralized light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and		64742-28-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

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Distillates (petroleum), chemically neutralized heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of		64742-34-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), chemically neutralized light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of		64742-35-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked hydrocarbons and treated to remove acidic impurities. It consists of hydrocarbons		68477-73-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic cracker, Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of aliphatic hydrocarbons having carbon		68477-74-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalyst cracker, C1-C3-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers in		68477-75-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic polymd. naphtha stabilizer overhead, C2-4-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic polymerized naphtha. It consists of aliphatic hydrocarbons having carbon		68477-76-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic reformer, C1-4-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers in		68477-79-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C3-5 olefinic-paraffinic alkylation feed; Petroleum gas; [A complex combination of olefinic and paraffinic hydrocarbons having carbon numbers in the range of C3 through C5 which are used as alkylation feed. Ambient temperatures normally exceed the critical temperature of		68477-83-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C4-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic fractionation process. It consists of aliphatic hydrocarbons having carbon numbers in		68477-85-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), deethanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced from distillation of the gas and gasoline fractions from the catalytic cracking process. It contains predominantly ethane		68477-86-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), desobutanizer tower overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the atmospheric distillation of a butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers		68477-87-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), depropanizer C3 through propene-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists predominantly		68477-90-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers		68477-91-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), gas recovery plant depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons obtained by fractionation of miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers in the range of C1		68477-94-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Gases (petroleum), Girbotol unit feed; Petroleum gas; [A complex combination of hydrocarbons that is used as the feed into the Girbatol unit to remove hydrogen sulfide. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through		68477-95-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), isomerized naphtha fractionator, C4-rich, hydrogen sulfide-free; Petroleum gas		68477-99-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked clarified oil and thermal cracked vacuum residue. It consists predominantly of hydrocarbons		68478-21-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic cracked naphtha stabilization absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in		68478-22-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionater; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of products from catalytic cracking, catalytic reforming and hydrodesulfurizing processes treated to remove acidic impurities. It consists predominantly of hydrocarbons having		68478-24-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic reformed naphtha. It consists predominantly of hydrocarbons having		68478-26-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), saturate gas plant mixed stream, C4-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of straight-run naphtha, distillation tail gas and catalytic reformed naphtha stabilizer tail gas. It consists of hydrocarbons having carbon numbers in		68478-32-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), saturate gas recovery plant, C1-2-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of distillate tail gas, straight-run naphtha, catalytic reformed naphtha stabilizer tail gas. It consists predominantly of hydrocarbons having carbon numbers in the range of		68478-33-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), vacuum residues thermal cracker; Petroleum gas; [A complex combination of hydrocarbons obtained from the thermal cracking of vacuum residues. It consists of hydrocarbons having carbon numbers		68478-34-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas; [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5,		68512-91-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), full-range straight-run naphtha dehexanizer off; petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of the full-range straight-run naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through		68513-15-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), hydrocracking depropanizer off, hydrocarbon-rich; Petroleum gas; [A complex combination of hydrocarbon produced by the distillation of products from a hydrocracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4. It may also		68513-16-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), light straight-run naphtha stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the stabilization of light straight-run naphtha. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the		68513-17-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), alkylation splitter, C4-rich; Petroleum gas; [A complex residuum from the distillation of streams various refinery operations. It consists of hydrocarbons having carbon numbers in the range of C4 through C5, predominantly butane and boiling in the range of		68513-66-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hydrocarbons, C1-4; Petroleum gas; [A complex combination of hydrocarbons provided by thermal cracking and absorber operations and by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of		68514-31-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C1-4, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting hydrocarbon gases to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through		68514-36-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C1-3, Petroleum gas; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C1 through C3 and boiling in the range of approximately minus 164 °C to minus 42 °C (− 263 °F to − 44 °F).]		68527-16-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C1-4, debutanizer fraction; Petroleum gas		68527-19-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C1-5, wet; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil and/or the cracking of tower gas oil. It consists of hydrocarbons having carbon numbers predominantly in the		68602-83-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C2-4; Petroleum gas		68606-25-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C3; Petroleum gas		68606-26-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), alkylation feed; Petroleum gas; [A complex combination of hydrocarbons produced by the catalytic cracking of gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3		68606-27-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), depropanizer bottoms fractionation off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists predominantly of butane, isobutane and		68606-34-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), refinery blend; Petroleum gas; [A complex combination obtained from various processes. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through		68783-07-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic cracking; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C3 through		68783-64-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C2-4, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C2		68783-65-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), crude oil fractionation off; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the		68918-99-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), dehexanizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of combined naphtha streams. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the		68919-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), light straight run gasoline fractionation stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the		68919-05-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), naphtha unifiner desulfurization stripper off; Petroleum gas; [A complex combination of hydrocarbons produced by a naphtha unifiner desulfurization process and stripped from the naphtha product. It consists of saturated aliphatic hydrocarbons having		68919-06-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Gases (petroleum), straight-run naphtha catalytic reforming off; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and fractionation of the total effluent. It consists of methane		68919-09-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), fluidized catalytic cracker splitter overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of the charge to the C3-C4 splitter. It consists		68919-20-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), straight-run stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of the liquid from the first tower used in the distillation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers		68919-10-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic cracker naphtha debutanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through		68952-76-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic cracked distillate and naphtha stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of catalytic cracked naphtha and distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in		68952-77-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber; petroleum gas; [A complex combination of hydrocarbons obtained from the separation of thermal-cracked distillates, naphtha and gas oil. It consists predominantly of hydrocarbons having		68952-81-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabilizer, petroleum coking; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of thermal cracked hydrocarbons from petroleum coking		68952-82-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum, light steam-cracked, butadiene conc.; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists of hydrocarbons having a carbon		68955-28-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers		68955-34-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C4; Petroleum gas		87741-01-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Alkanes, C1-4, C3-rich; Petroleum gas		90622-55-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), steam-cracker C3-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a steam cracking process. It consists predominantly of propylene with some propane and boils in the range of approximately − 70 °C to 0 °C (− 94 °F to 32 °F).]		92045-22-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C4, steam-cracker distillate; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products of a steam cracking process. It consists predominantly of hydrocarbons having a carbon number of C4, predominantly 1-butene and 2-butene, containing also butane and		92045-23-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petroleum gases, liquefied, sweetened, C4 fraction; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a liquified petroleum gas mix to a sweetening process to oxidize mercaptans or to remove acidic impurities. It consists predominantly of C4 saturated		92045-80-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C4, 1,3-butadiene- and isobutene-free; Petroleum gas		95465-89-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Raffinates (petroleum), steam-cracked C4 fraction cuprous ammonium acetate extn., C3-5 and C3-5 unsatd., butadiene-free; Petroleum gas		97722-19-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), amine system feed, Refinery gas; [The feed gas to the amine system for removal of hydrogen sulfide. It consists of hydrogen. Carbon monoxide, carbon dioxide, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1		68477-65-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), benzene unit hydrodesulfurizer off; Refinery gas; [Off gases produced by the benzene unit. It consists primarily of hydrogen. Carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6, including benzene, may also		68477-66-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), benzene unit recycle, hydrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by recycling the gases of the benzene unit. It consists primarily of hydrogen with various small amounts of carbon monoxide and hydrocarbons having carbon numbers in		68477-67-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), blend oil, hydrogen-nitrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by distillation of a blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide, and aliphatic hydrocarbons having carbon numbers		68477-68-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic reformed naphtha stripper overheads; Refinery gas; [A complex combination of hydrocarbons obtained from stabilization of catalytic reformed naphtha. Its consists of hydrogen and saturated hydrocarbons having carbon numbers predominantly in		68477-77-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C6-8 catalytic reformer recycle; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8 feed and recycled to conserve hydrogen. It consists primarily of hydrogen. It may also contain various small amounts of carbon monoxide, carbon dioxide, nitrogen, and hydrocarbons		68477-80-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C6-8 catalytic reformer; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8feed. It consists of hydrocarbons having carbon numbers in the range of C1 through C5 and		68477-81-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich; Refinery gas		68477-82-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C2-return stream; Refinery gas; [A complex combination of hydrocarbons obtained by the extraction of hydrogen from a gas stream which consists primarily of hydrogen with small amounts of nitrogen, carbon monoxide, methane, ethane, and ethylene. It contains predominantly hydrocarbons such as methane, ethane, and ethylene with small		68477-84-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), dry sour, gas-concn.-unit-off; Refinery gas; [The complex combination of dry gases from a gas concentration unit. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the		68477-92-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), gas concn. reabsorber distn.; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from combined gas streams in a gas concentration reabsorber. It consists predominantly of hydrogen, carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide and		68477-93-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), hydrogen absorber off; Refinery gas; [A complex combination obtained by absorbing hydrogen from a hydrogen rich stream. It consists of hydrogen, carbon monoxide, nitrogen, and methane with small amounts of C2		68477-96-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), hydrogen-rich; Refinery gas; [A complex combination separated as a gas from hydrocarbon gases by chilling. It consists primarily of hydrogen with various small amounts of carbon monoxide, nitrogen, methane, and		68477-97-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich; Refinery gas; [A complex combination obtained from recycled hydrotreated blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide and		68477-98-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), recycle, hydrogen-rich; Refinery gas; [A complex combination obtained from recycled reactor gases. It consists primarily of hydrogen with various small amounts of carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having		68478-00-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), reformer make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reformers. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1		68478-01-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), reforming hydrotreater; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen, methane, and ethane with various small amounts of hydrogen sulfide and aliphatic hydrocarbons having carbon		68478-02-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen and methane with various small amounts of carbon monoxide, carbon dioxide, nitrogen and saturated aliphatic		68478-03-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon		68478-04-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), thermal cracking distn.; Refinery gas; [A complex combination produced by distillation of products from a thermal cracking process. It consists of hydrogen, hydrogen sulfide, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers		68478-05-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic cracker refractionation absorber; Refinery gas; [A complex combination of hydrocarbons obtained from refractionation of products from a catalytic cracking process. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1		68478-25-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic reformed naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1		68478-27-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic reformed naphtha stabilizer; Refinery gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic reformed naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through		68478-28-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), cracked distillate hydrotreater separator; Refinery gas; [A complex combination of hydrocarbons obtained by treating cracked distillates with hydrogen in the presence of a catalyst. It consists of hydrogen and saturated aliphatic hydrocarbons having		68478-29-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from hydrodesulfurization of straight-run naphtha. It consists of hydrogen and saturated aliphatic hydrocarbons having		68478-30-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight-run naphtha followed by fractionation of the total effluent. It consists of hydrogen and hydrocarbons		68513-14-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), reformer effluent, high-pressure flash drum off; Refinery gas; [A complex combination produced by the high-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]		68513-18-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Gases (petroleum), reformer effluent low-pressure flash drum off; Refinery gas; [A complex combination produced by low-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]		68513-19-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), oil refinery gas distn. off; Refinery gas; [A complex combination separated by distillation of a gas stream containing hydrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers in the range of C1 through C6 or obtained by cracking ethane and propane. It consists of hydrocarbons having carbon numbers predominantly in		68527-15-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), benzene unit hydrotreater depentanizer overheads; Refinery gas; [A complex combination produced by treating the feed from the benzene unit with hydrogen in the presence of a catalyst followed by depentanizing. It consists primarily of hydrogen, ethane and propane with various small amounts of nitrogen, carbon monoxide, carbon dioxide and		68602-82-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionator; Refinery gas; [A complex combination produced by the fractionation of the overhead products from the catalytic cracking process in the fluidized catalytic cracker. It consists of hydrogen, nitrogen, and hydrocarbons having carbon		68602-84-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petroleum products, refinery gases; Refinery gas; [A complex combination which consists primarily of hydrogen with various small amounts of methane,		68607-11-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), hydrocracking low-pressure separator; Refinery gas; [A complex combination obtained by the liquid-vapor separation of the hydrocracking process reactor effluent. It consists predominantly of hydrogen and saturated hydrocarbons having carbon		68783-06-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), refinery; Refinery gas; [A complex combination obtained from various petroleum refining operations. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]		68814-67-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), platformer products separator off; Refinery gas; [A complex combination obtained from the chemical reforming of naphthenes to aromatics. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2		68814-90-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), hydrotreated sour kerosine depentanizer stabilizer off; Refinery gas; [The complex combination obtained from the depentanizer stabilization of hydrotreated kerosine. It consists primarily of hydrogen, methane, ethane, and propane with various small amounts of nitrogen, hydrogen sulfide, carbon monoxide and hydrocarbons having		68911-58-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), hydrotreated sour kerosine flash drum; Refinery gas; [A complex combination obtained from the flash drum of the unit treating sour kerosine with hydrogen in the presence of a catalyst. It consists primarily of hydrogen and methane with various small amounts of nitrogen, carbon monoxide,		68911-59-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), distillate unifiner desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the unifiner desulfurization process. It consists of hydrogen sulfide, methane, ethane, and		68919-01-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), fluidized catalytic cracker fractionation off; Refinery gas; [A complex combination produced by the fractionation of the overhead product of the fluidized catalytic cracking process. It consists of hydrogen, hydrogen sulfide, nitrogen, and hydrocarbons having carbon		68919-02-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off; Refinery gas; [A complex combination produced by scrubbing the overhead gas from the fluidized catalytic cracker. It consists of hydrogen, nitrogen, methane,		68919-03-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the heavy distillate hydrotreater desulfurization process. It consists of hydrogen, hydrogen sulfide, and saturated		68919-04-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), platformer stabilizer off, light ends fractionation; Refinery gas; [A complex combination obtained by the fractionation of the light ends of the platinum reactors of the platformer unit. It consists of hydrogen, methane, ethane		68919-07-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), preflash tower off, crude distn.; Refinery gas; [A complex combination produced from the first tower used in the distillation of crude oil. It consists of nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through		68919-08-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), tar stripper off; Refinery gas; [A complex combination obtained by the fractionation of reduced crude oil. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through		68919-11-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), unifiner stripper off; Refinery gas; [A combination of hydrogen and methane obtained by fractionation of the products from the unifiner unit.]		68919-12-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the hydrodesulfurization of naphtha.]		68952-79-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), straight-run naphtha hydrodesulfurizer; Refinery gas; [A complex combination obtained from the hydrodesulfurization of straight-run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through		68952-80-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation; Refinery gas; [A complex combination obtained by the fractionation of products from the fluidized catalytic cracker and gas oil desulfurizer. It consists of hydrogen and hydrocarbons having carbon numbers		68955-33-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), crude distn. and catalytic cracking; Refinery gas; [A complex combination produced by crude distillation and catalytic cracking processes. It consists of hydrogen, hydrogen sulfide, nitrogen, carbon monoxide and paraffinic and olefinic		68989-88-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), gas oil diethanolamine scrubber off; Refinery gas; [A complex combination produced by desulfurization of gas oils with diethanolamine. It consists predominantly of hydrogen sulfide, hydrogen and aliphatic hydrocarbons having carbon numbers in the range of C1		92045-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), gas oil hydrodesulfurization effluent; Refinery gas; [A complex combination obtained by separation of the liquid phase from the effluent from the hydrogenation reaction. It consists predominantly of hydrogen, hydrogen sulfide and aliphatic		92045-16-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), gas oil hydrodesulfurization purge; Refinery gas; [A complex combination of gases obtained from the reformer and from the purges from the hydrogenation reactor. It consists predominantly of hydrogen and aliphatic		92045-17-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), hydrogenator effluent flash drum off; Refinery gas; [A complex combination of gases obtained from flash of the effluents after the hydrogenation reaction. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in		92045-18-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), naphtha steam cracking high-pressure residual; Refinery gas; [A complex combination obtained as a reaction mass of the non-condensable portions from the product of a naphtha steam cracking process as well as residual gases obtained during the preparation of subsequent products. It consists predominantly of hydrogen and paraffinic and olefinic hydrocarbons having carbon		92045-19-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), residue visbreaking off; Refinery gas; [A complex combination obtained from viscosity reduction of residues in a furnace. It consists predominantly of hydrogen sulfide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the		92045-20-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Foots oil (petroleum), acid-treated; Foots oil; [A complex combination of hydrocarbons obtained by treatment of Foot's oil with sulfuric acid. It consists predominantly of branched-chain hydrocarbons with carbon numbers predominantly in the range of C20 through		93924-31-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Foots oil (petroleum), clay-treated; Foots oil; [A complex combination of hydrocarbons obtained by treatment of Foot's oil with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of branched chain hydrocarbons with carbon numbers		93924-32-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C3-4; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the cracking of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C4, predominantly of propane and propylene, and boiling in		68131-75-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber; Petroleum gas; [The complex combination of hydrocarbons from the distillation of the products from catalytic cracked distillates and catalytic cracked naphtha. It consists predominantly		68307-98-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic polymn. naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons from the fractionation stabilization products from polymerization of naphtha. It consists predominantly of hydrocarbons having carbon numbers		68307-99-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation stabilization of catalytic reformed naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists		68308-00-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), cracked distillate hydrotreater stripper; Petroleum gas; [A complex combination of hydrocarbons obtained by treating thermal cracked distillates with hydrogen in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon		68308-01-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of straight run distillates and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in		68308-10-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), gas oil catalytic cracking absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of products from the catalytic cracking of gas oil. It consists predominantly of hydrocarbons		68308-03-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), gas recovery plant; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers		68308-04-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), gas recovery plant deethanizer; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists of hydrocarbons having carbon numbers		68308-05-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), hydrodesulfurized distillate and hydrodesulfurized naphtha fractionator, acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of hydrodesulfurized naphtha and distillate hydrocarbon streams and treated to remove acidic impurities. It consists predominantly of hydrocarbons having		68308-06-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from stripping stabilization of catalytic hydrodesulfurized vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having		68308-07-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation stabilization of light straight run naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having		68308-09-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), propane-propylene alkylation feed prep deethanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the reaction products of propane with propylene. It consists of hydrocarbons having carbon numbers predominantly in		68308-11-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having		68308-12-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic cracked overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C5 and boiling in the range of		68409-99-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Alkanes, C1-2; Petroleum gas		68475-57-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Alkanes, C2-3; Petroleum gas		68475-58-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Alkanes, C3-4; petroleum gas		68475-59-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Alkanes, C4-5; Petroleum gas		68475-60-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Fuel gases; Petroleum gas; [A combination of light gases. It consists predominantly of hydrogen and/or low molecular weight hydrocarbons.]		68476-26-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Fuel gases, crude oil of distillates; Petroleum gas; [A complex combination of light gases produced by distillation of crude oil and by catalytic reforming of naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of		68476-29-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C3-4; Petroleum gas		68476-40-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C4-5; Petroleum gas		68476-42-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C2-4, C3-rich; Petroleum gas		68476-49-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40.8°C to 80.8°C (-40.85 to		68476-85-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petroleum gases, liquefied, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of		68476-86-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
gases (petroleum), C3-4, isobutane-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly butane and isobutane. It consists of saturated and unsaturated hydrocarbons having carbon		68477-33-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), C3-6, piperylene-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated aliphatic hydrocarbons usually ranging in the carbon numbers C3 through C6. It consists of saturated and unsaturated hydrocarbons having carbon numbers in		68477-35-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), butane splitter overheads; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in		68477-69-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), C2-3; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic fractionation process. It contains predominantly ethane, ethylene		68477-70-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked gas oil hydrocarbon stream and treated to remove hydrogen sulfide and other acidic components. It consists of hydrocarbons		68477-71-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists of aliphatic hydrocarbons having carbon numbers predominantly in		68477-72-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Tail gas (petroleum), isomerized naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization products from isomerized naphtha. It consists predominantly of hydrocarbons having carbon numbers		68308-08-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Foots oil (petroleum), carbon-treated; Foots oil; [A complex combination of hydrocarbons obtained by the treatment of Foots oil with activated carbon for the removal of trace constituents and impurities. It consists predominantly of saturated straight chain hydrocarbons		97862-76-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), sweetened middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of		64741-86-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), solvent-refined; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range		64741-90-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-refined middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of		64741-91-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), acid-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of		64742-12-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), acid-treated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C20 and boiling in		64742-13-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), acid-treated light; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the		64742-14-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Gas oils (petroleum), chemically neutralized; Gasoil - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through		64742-29-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), chemically neutralized middle; Gasoil - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C20 and boiling in the range of		64742-30-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), clay-treated middle; Gasoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through		64742-38-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range		64742-46-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), hydrodesulfurized; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling		64742-79-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrodesulfurized middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range		64742-80-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), catalytic reformer fractionator residue, high-boiling; Gasoil - unspecified; [A complex combination of hydrocarbons from the distillation of catalytic reformer fracftionator residue. It boils in the range of approximately 343 °C to 399 °C (650 °F to 750 °F).]		68477-29-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling; Gasoil - unspecified; [A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 288 °C to 371 °C (550 °F to		68477-30-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), catalytic reformer fractionator residue, low-boiling; Gasoil - unspecified; [The complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils approximately below 288 °C (550 °		68477-31-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), highly refined middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the subjection of a petroleum fraction to several of the following steps: filtration, centrifugation, atmospheric distillation, vacuum distillation, acidification, neutralization and clay treatment. It consists predominantly of hydrocarbons		90640-93-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum) catalytic reformer, heavy arom. conc.; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from the distillation of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C10 through		91995-34-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils, paraffinic; Gasoil - unspecified; [A distillate obtained from the redistillation of a complex combination of hydrocarbons obtained by the distillation of the effluents from a severe catalytic hydrotreatment of paraffins. It boils in the range of approximately 343 °C to 399 °C (650 °F to		93924-33-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), solvent-refined hydrodesulfurized heavy; Gasoil - unspecified		97488-96-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

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Hydrocarbons, C16-20, hydrotreated middle distillate, distn. lights; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a middle distillate with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C20 and boiling in the range of approximately 290 °C to 350 °C (554 °F to		97675-85-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C12-20, hydrotreated paraffinic, distn. lights; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of heavy paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C20 and boiling in the range of approximately 230 °C to		97675-86-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C11-17, solvent-extd. light naphthenic; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 2.2 cSt at 40 °C (104 °F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C11 through C17 and boiling		97722-08-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils, hydrotreated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from the redistillation of the effluents from the treatment of paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the		97862-78-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), carbon-treated light paraffinic; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of a petroleum oil fraction with activated charcoal for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers		100683-97-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), intermediate paraffinic, carbon-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of petroleum with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers		100683-98-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), intermediate paraffinic, clay-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of petroleum with bleaching earth for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers		100683-99-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Alkanes, C12-26-branched and linear		90622-53-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating greases, Grease; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. May contain organic salts of alkali metals, alkaline earth metals, and/or aluminium compounds.]		74869-21-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Slack wax (petroleum); Slack wax; [A complex combination of hydrocarbons obtained from a petroleum fraction by solvent crystallization (solvent dewaxing) or as a distillation fraction from a very waxy crude. It consists predominantly of saturated straight and branched chain		64742-61-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Slack wax (petroleum), acid-treated; Slack wax; [A complex combination of hydrocarbons obtained as a raffinate by treatment of a petroleum slack wax fraction with sulfuric acid treating process. It consists predominantly of saturated straight and branched chain hydrocarbons		90669-77-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Slack wax (petroleum), clay-treated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of a petroleum slack wax fraction with natural or modified clay in either a contacting or percolation process. It consists predominantly of saturated straight and		90669-78-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Slack wax (petroleum), hydrotreated; Slack wax; [A complex combination of hydrocarbons obtained by treating slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly		92062-09-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Slack wax (petroleum), low-melting; Slack wax; [A complex combination of hydrocarbons obtained from a petroleum fraction by solvent deparaffination. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly		92062-10-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Slack wax (petroleum), low-melting, hydrotreated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of low-melting petroleum slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain		92062-11-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Slack wax (petroleum), low-melting, carbon-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting slack wax with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons		97863-04-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Slack wax (petroleum), low-melting, clay-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with bentonite for removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons		97863-05-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Slack wax (petroleum), low-melting, silicic acid-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons		97863-06-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Slack wax (petroleum), carbon-treated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of petroleum slack wax with activated charcoal for the removal of trace polar		100684-49-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petrolatum, Petrolatum; [A complex combination of hydrocarbons obtained as a semi-solid from dewaxing paraffinic residual oil. It consists predominantly of saturated crystalline and liquid hydrocarbons having carbon numbers		8009-03-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petrolatum (petroleum), oxidized; Petrolatum; [A complex combination of organic compounds, predominantly high molecular weight carboxylic acids, obtained by the air oxidation of petrolatum.]		64743-01-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petrolatum (petroleum), alumina-treated; Petrolatum; [A complex combination of hydrocarbons obtained when petrolatum is treated with Al2O3 to remove polar components and impurities. It consists predominantly of saturated, crystalline, and liquid hydrocarbons having carbon		85029-74-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petrolatum (petroleum), hydrotreated; Petrolatum; [A complex combination of hydrocarbons obtained as a semi-solid from dewaxed paraffinic residual oil treated with hydrogen in the presence of a catalyst. It consists predominantly of saturated microcrystalline and liquid hydrocarbons having carbon numbers		92045-77-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petrolatum (petroleum), carbon-treated; Petrolatum; [A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons		97862-97-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petrolatum (petroleum), silicic acid-treated; Petrolatum; [A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated		97862-98-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petrolatum (petroleum), clay-treated; Petrolatum; [A complex combination of hydrocarbons obtained by treatment of petrolatum with bleaching earth for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers		100684-33-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Gasoline, natural; Low boiling point naphtha; [A complex combination of hydrocarbons separated from natural gas by processes such as refrigeration or absorption. It consists predominantly of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C8 and boiling in the		8006-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha; Low boiling point naphtha; [Refined, partly refined, or unrefined petroleum products produced by the distillation of natural gas. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C6 and boiling in the range of		8030-30-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Ligroine; Low boiling point naphtha; [A complex combination of hydrocarbons obtained by the fractional distillation of petroleum. This fraction boils in a range of approximately 20°C to 135°C (58°F to 275°F).]		8032-32-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), heavy straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of		64741-41-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), full-range straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of		64741-42-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C10 and boiling in		64741-46-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Solvent naphtha (petroleum), light aliph.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C5 through C10 and boiling in the range of		64742-89-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), straight-run light; Low boiling point naphtha; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C7 and boiling in the range of		68410-05-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gasoline, vapor-recovery; Low boiling point naphtha; [A complex combination of hydrocarbons separated from the gases from vapor recovery systems by cooling. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of		68514-15-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gasoline, straight-run, topping-plant; Low boiling point naphtha; [A complex combination of hydrocarbons produced from the topping plant by the distillation of crude oil. It boils in the range of approximately 36.1°C to 193.3°C (97°F to		68606-11-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), unsweetened; Low boiling point naphtha; [A complex combination of hydrocarbons produced from the distillation of naphtha streams from various refinery processes. It consists of hydrocarbons having carbon numbers predominantly in the range of C5		68783-12-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), light straight-run gasoline fractionation stabilizer overheads; Low boiling point naphtha; [A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers		68921-08-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), heavy straight run, arom.-contg.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from a distillation process of crude petroleum. It consists predominantly of hydrocarbons having carbon numbers in the range of C8 through C12 and boiling in the range of		101631-20-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

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Naphtha (petroleum), full-range alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5 It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through		64741-64-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 to C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C9 through C12 and boiling in		64741-65-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through		64741-66-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), isomerization; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained from catalytic isomerization of straight chain paraffinic C4 through C6 hydrocarbons. It consists predominantly of saturated hydrocarbons such as isobutane, isopentane, 2,2-		64741-70-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in		64741-84-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), solvent-refined heavy; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C7 through		64741-92-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Raffinates (petroleum), catalytic reformer ethylene glycol-water countercurrent exts.; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from the UDEX extraction process on the catalytic reformer stream. It consists of saturated		68410-71-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Raffinates (petroleum), reformer, Lurgi unit-sepd.; Low boiling point modified naphtha; [The complex combination of hydrocarbons obtained as a raffinate from a Lurgi separation unit. It consists predominantly of non-aromatic hydrocarbons with various small amounts		68425-35-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), full-range alkylate, butane-contg.; Low boiling point modified naphta; [A complex combination of hydrocarbons produced by the distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C12 with some butanes and		68527-27-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), naphtha steam cracking-derived, solvent-refined light hydrotreated; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinates from a solvent extraction process of hydrotreated light distillate fractions		91995-53-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), C4-12, butane-alkylate, isooctane-rich; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by alkylation of butanes. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C12, rich in isooctane, and boiling in the		92045-49-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

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Hydrocarbons, hydrotreated light naphtha distillates, solvent-refined; Low boiling point modified naphtha; [A combination of hydrocarbons obtained from the distillation of hydrotreated naphtha followed by a solvent extraction and distillation process. It consists predominantly of saturated hydrocarbons boiling in the range of		92045-55-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), isomerization, C6-fraction; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by distillation of a gasoline which has been catalytically isomerized. It consists predominantly of hexane isomers boiling in the range of		92045-58-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C6-7, naphtha-cracking, solvent-refined; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by the sorption of benzene from a catalytically fully hydrogenated benzene-rich hydrocarbon cut that was distillatively obtained from prehydrogenated cracked naphtha. It consists predominantly of paraffinic and naphthenic hydrocarbons having carbon numbers predominantly in the range of C6		92045-64-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C6-rich, hydrotreated light naphtha distillates, solvent-refined; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by distillation of hydrotreated naphtha followed by solvent extraction. It consists predominantly of saturated hydrocarbons and boiling in the range of approximately		101316-67-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), heavy catalytic cracked; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by a distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 230°C (148°F to		64741-54-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light catalytic cracked; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 190°C		64741-55-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C3-11, catalytic cracker distillates; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillations of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C11 and boiling in		68476-46-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), catalytic cracked light distd.; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons		68783-09-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), naphtha steam-cracking-derived, hydrotreated light arom.; Low boiling point cat-cracked naphtha.; [A complex combination of hydrocarbons obtained by treating a light distillate from steam-cracked naphtha. It consists		91995-50-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), heavy catalytic cracked, sweetened; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons obtained by subjecting a catalytic cracked petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the		92045-50-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light catalytic cracked sweetened; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons obtained by subjecting naphtha from a catalytic cracking process to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons boiling in a range of approximately 35°C to		92045-59-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Hydrocarbons, C8-12, catalytic-cracking, chem. neutralized; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of a cut from the catalytic cracking process, having undergone an alkaline washing. It consists predominantly of hydrocarbons having carbon numbers in the range of C8		92128-94-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C8-12, catalytic cracker distillates; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons obtained by distillation of products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C8 through C12 and boiling in the range of approximately 140°C to 210°		101794-97-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C8-12, catalytic cracking, chem. neutralized, sweetened; Low boiling point cat-cracked naphtha		101896-28-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light catalytic reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35°C to 190°C (95°F to 374°F). It contains a relatively large		64741-63-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), heavy catalytic reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in		64741-68-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), catalytic reformed depentanizer; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons from the distillation of products from a catalytic reforming process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in		68475-79-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C2-6, C6-8 catalytic reformer; Low boiling point cat-reformed naphtha		68476-47-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), C6-8 catalytic reformer; Low boiling point cat-reformed naphtha; [A complex residuum from the catalytic reforming of C6-8 feed. It consists of hydrocarbons having carbon numbers predominantly in the range of C2		68478-15-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light catalytic reformed, arom.-free; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained from distillation of products from a catalytic reforming process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C8 and boiling in the range of approximately 35°C to 120°C (95°F to 248°F). It contains a relatively		68513-03-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), catalytic reformed straight-run naphtha overheads; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha followed by the fractionation of the total effluent. It consists of saturated aliphatic		68513-63-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Petroleum products, hydrofiner-powerformer reformates; Low boiling point cat-reformed naphtha; [The complex combination of hydrocarbons obtained in a hydrofiner-powerformer process and boiling in a range of approximately 77°C to		68514-79-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), full-range reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C12 and boiling in the range of		68919-37-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Naphtha (petroleum), catalytic reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 30°C to 220°C (90°F to 430°F). It contains a relatively large proportion of aromatic and branched chain		68955-35-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), catalytic reformed hydrotreated light, C8-12 arom. fraction; Low boiling point cat-reformed naphtha; [A complex combination of alkylbenzenes obtained by the catalytic reforming of petroleum naphtha. It consists predominantly of alkylbenzenes having carbon numbers predominantly in the range of C8 through C10 and boiling in the		85116-58-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C8, catalytic reforming-derived; Low boiling point cat-reformed naphtha		91995-18-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C7-12, C8-rich; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 (primarily C8) and can contain nonaromatic hydrocarbons, both boiling in the range of		93571-75-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gasoline, C5-11, high-octane stabilised reformed; Low boiling point cat-reformed naphtha; [A complex high octane combination of hydrocarbons obtained by the catalytic dehydrogenation of a predominantly naphthenic naphtha. It consists predominantly of aromatics and non-aromatics having carbon numbers predominantly in the range of C5 through		93572-29-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C7-12, C≥9-arom.-rich, reforming heavy fraction; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 120°C to 210°C (248°F to		93572-35-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C5-11, nonaroms.-rich, reforming light fraction; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of		93572-36-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Foots oil (petroleum), silicic acid-treated; Foots oil; [A complex combination of hydrocarbons obtained by the treatment of Foots oil with silicic acid for removal of trace constituents and impurities. It consists predominantly of straight chain hydrocarbons having carbon numbers		97862-77-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light thermal cracked; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons from distillation of products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C8 and boiling in the range of		64741-74-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), heavy thermal cracked; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons from distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of		64741-83-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), heavy arom.; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This higher boiling fraction consists predominantly of C5-7 aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having carbon		67891-79-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), light arom.; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This lower boiling fraction consists predominantly of C5-7 aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having a carbon		67891-80-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), naphtha-raffinate pyrolyzate-derived, gasoline-blending; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons obtained by the pyrolysis fractionation at 816°C (1500°F) of naphtha and raffinate. It consists predominantly of hydrocarbons having a carbon number of C9 and boiling		68425-29-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C6-8, naphtha-raffinate pyrolyzate-derived; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons obtained by the fractionation pyrolysis at 816°C (1500°F) of naphtha and raffinate. It consists predominantly of aromatic hydrocarbons having carbon numbers		68475-70-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), thermal cracked naphtha and gas oil; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by distillation of thermally cracked naphtha and/or gas oil. It consists predominantly of olefinic hydrocarbons having a carbon number of C5 and boiling in the range of		68603-00-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), thermal cracked naphtha and gas oil, C5-dimer-contg.; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas oil. It consists predominantly of hydrocarbons having a carbon number of C5 with some dimerized C5 olefins and boiling in the		68603-01-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), thermal cracked naphtha and gas oil, extractive; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas oil. It consists of paraffinic and olefinic hydrocarbons, predominantly isoamylenes such as 2-methyl-1-butene and 2-methyl-		68603-03-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), light thermal cracked, debutanized arom.; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists predominantly of aromatic		68955-29-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light thermal cracked, sweetened; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate from the high temperature thermal cracking of heavy oil fractions to a sweetening process to convert mercaptans. It consists predominantly of aromatics, olefins and		92045-65-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through		64742-48-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through		64742-49-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), hydrodesulfurized light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through		64742-73-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of		64742-82-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), hydrotreated middle, intermediate boiling; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by the distillation of products from a middle distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C10 and boiling in		68410-96-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), light distillate hydrotreating process, low-boiling; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C9 and boiling in		68410-97-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrotreated heavy naphtha, deisohexanizer overheads; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by distillation of the products from a heavy naphtha hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C6 and boiling in		68410-98-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Solvent naphtha (petroleum), light arom., hydrotreated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in		68512-78-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), hydrodesulfurized thermal cracked light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by fractionation of hydrodesulfurized thermal cracker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 to C11 and boiling in the		85116-60-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), hydrotreated light, cycloalkane-contg.; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from the distillation of a petroleum fraction. It consists predominantly of alkanes and cycloalkanes boiling in the		85116-61-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), heavy steam-cracked, hydrogenated; Low boiling point hydrogen treated naphtha		92045-51-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), hydrodesulfurized full-range; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the		92045-52-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), hydrotreated light steam-cracked; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction, derived from a pyrolysis process, with hydrogen in the presence of a catalyst. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C5 through		92045-57-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C4-12, naphtha-cracking, hydrotreated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by distillation from the product of a naphtha steam cracking process and subsequent catalytic selective hydrogenation of gum formers. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of		92045-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C6 through		92062-15-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Naphtha (petroleum), light steam-cracked, hydrogenated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons produced from the separation and subsequent hydrogenation of the products of a steam-cracking process to produce ethylene. It consists predominantly of saturated and unsaturated paraffins, cyclic paraffins and cyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C4 through C10 and boiling in the range of approximately 50°C to 200°C (122°F to 392°F). The separation of benzene,		93165-55-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C9-11, hydrotreated, dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatic hydrocarbons, C9-12, hydrotreated,		93763-33-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatic hydrocarbons, C9-12, hydrotreated,		93763-34-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Stoddard solvent; Low boiling point naphtha - unspecified; [A colourless, refined petroleum distillate that is free from rancid or objectionable odours and that boils in a range of approximately 148.8°C to 204.4°C (300.8°F to 400.8°F).]		8052-41-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Natural gas condensates (petroleum); Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons separated as a liquid from natural gas in a surface separator by retrograde condensation. It consists mainly of hydrocarbons having carbon numbers predominantly in the range of C2 to C20.		64741-47-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Natural gas (petroleum), raw liq. mix; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons separated as a liquid from natural gas in a gas recycling plant by processes such as refrigeration or absorption. It consists mainly of saturated aliphatic hydrocarbons		64741-48-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light hydrocracked; Low boiling naphtha - unspecified; [A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C4 through C10, and boiling		64741-69-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), heavy hydrocracked; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C6 through		64741-78-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), sweetened; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in		64741-87-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), acid-treated; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of		64742-15-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), chemically neutralized heavy; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in		64742-22-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), chemically neutralized light; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in		64742-23-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

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Naphtha (petroleum), catalytic dewaxed; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from the catalytic dewaxing of a petroleum fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the		64742-66-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Naphtha (petroleum), light steam-cracked; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the distillation of the products from a steam cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F		64742-83-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of		64742-95-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Aromatic hydrocarbons, C6-10, acid-treated, neutralized; Low boiling point naphtha - unspecified		68131-49-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), C3-5, 2-methyl-2-butene-rich; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons from the distillation of hydrocarbons usually ranging in carbon numbers from C3 through C5, predominantly isopentane and 3-methyl-1-butene. It consists of saturated and unsaturated hydrocarbons having carbon		68477-34-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), polymd. steam-cracked petroleum distillates, C5-12 fraction; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from the distillation of polymerized steam-cracked petroleum distillate. It consists predominantly of		68477-50-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), steam-cracked, C5-12 fraction; Low boiling point naphtha - unspecified; [A complex combination of organic compounds obtained by the distillation of products from a steam cracking process. It consists of unsaturated hydrocarbons having carbon		68477-53-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), steam-cracked, C5-10 fraction, mixed with light steam-cracked petroleum naphtha C5 fraction; Low boiling point naphtha - unspecified		68477-55-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), cold-acid, C4-6; Low boiling point naphtha - unspecified; [A complex combination of organic compounds produced by cold acid unit extraction of saturated and unsaturated aliphatic hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly pentanes and amylenes. It consists predominantly of saturated and unsaturated hydrocarbons having carbon		68477-61-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), depentanizer overheads; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from a catalytic cracked gas stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4		68477-89-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Residues (petroleum), butane splitter bottoms; Low boiling point naphtha - unspecified; [A complex residuum from the distillation of butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4		68478-12-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Residues (petroleum), debutanizer tower; Low boiling point naphtha - unspecified; [A complex residuum from the atmospheric distillation of the butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through		68478-16-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Naphtha (petroleum), full-range coker; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by the distillation of products from a fluid coker. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through		68513-02-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			

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Naphtha (petroleum), steam-cracked middle arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by the distillation of products from a steam-cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of		68516-20-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), clay-treated full-range straight-run; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons resulting from treatment of full-range straight-run naphtha with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through		68527-21-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), clay-treated light straight-run; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons resulting from treatment of light straight-run naphtha with a natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C10 and boiling in the range of		68527-22-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light steam-cracked arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by distillation of products from a steam-cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C9 and boiling in the range of		68527-23-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light steam-cracked, debenzenized; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by distillation of products from a steam-cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 80°C to 218°C		68527-26-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), arom.-contg.; Low boiling point naphtha - unspecified		68603-08-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gasoline, pyrolysis, debutanizer bottoms; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists of hydrocarbons having carbon numbers		68606-10-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light, sweetened; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in		68783-66-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Natural gas condensates; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons separated and/or condensed from natural gas during transportation and collected at the wellhead and/or from the production, gathering, transmission, and distribution pipelines in deeps, scrubbers, etc. It consists predominantly of hydrocarbons		68919-39-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), naphtha unifiner stripper; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by stripping the products from the naphtha unifiner. It consists of saturated aliphatic hydrocarbons having carbon numbers		68921-09-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), catalytic reformed light, arom.-free fraction; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons remaining after removal of aromatic compounds from catalytic reformed light naphtha in a selective absorption process. It consists predominantly of paraffinic and cyclic compounds having carbon numbers predominantly in the range of C5 to C8		85116-59-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Gasoline, Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons consisting primarily of paraffins, cycloparaffins, aromatic and olefinic hydrocarbons having carbon numbers predominantly greater than C3 and boiling in the range of 30°C to 260°C		86290-81-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Aromatic hydrocarbons, C7-8, dealkylation products, distn. residues; Low boiling point naphtha - unspecified		90989-42-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Hydrocarbons, C4-6, dependanizer lights, arom. hydrotreater; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the dependanizer column before hydrotreatment of the aromatic charges. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C6, predominantly		91995-38-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), heat-soaked steam-cracked naphtha, C5-rich; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of heat-soaked steam-cracked naphtha. It consists predominantly of hydrocarbons having		91995-41-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), catalytic reformed light naphtha solvent; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained as the extract from the solvent extraction of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through		91995-68-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Naphtha (petroleum), hydrodesulfurized light, dearomatized; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of hydrodesulfurized and dearomatized light petroleum fractions. It consists predominantly of C7 paraffins and cycloparaffins boiling in a range of		92045-53-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Naphtha (petroleum), light, C5-rich, sweetened; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C5, predominantly C5, and boiling in the		92045-60-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Hydrocarbons, C8-11, naphtha-cracking, toluene cut; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation from prehydrogenated cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C8 through C11 and boiling in the range of approximately 130°C to 205°		92045-62-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Hydrocarbons, C4-11, naphtha-cracking, arom.-free; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from prehydrogenated cracked naphtha after distillative separation of benzene- and toluene-containing hydrocarbon cuts and a higher boiling fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the		92045-63-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Naphtha (petroleum), light heat-soaked, steam-cracked; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the fractionation of steam cracked naphtha after recovery from a heat soaking process. It consists predominantly of hydrocarbons having a carbon number predominantly in the range of C4 through C6 and boiling in the range		92201-97-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), C6-rich; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from the distillation of a petroleum feedstock. It consists predominantly of hydrocarbons having carbon numbers of C5 through C7, rich in		93165-19-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Gasoline, pyrolysis, hydrogenated; Low boiling point naphtha-unspecified; [A distillation fraction from the hydrogenation of pyrolysis gasoline boiling in the range of approximately 20°C to 200°C (68°F to		94114-03-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), steam-cracked, C8-12 fraction, polymd., distn. lights; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of the polymerized C8 through C12 fraction from steam-cracked petroleum distillates. It consists predominantly of aromatic hydrocarbons		95009-23-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum) heavy naphtha solvent, clay-treated; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the treatment of heavy naphthic solvent petroleum extract with bleaching earth. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C10 and boiling in		97926-43-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light steam-cracked, debenzenized, thermally treated; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the treatment and distillation of debenzenized light steam-cracked petroleum naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the		98219-46-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), light steam-cracked, thermally treated; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the treatment and distillation of light steam-cracked petroleum naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C6 and boiling in		98219-47-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), C7-9, C8-rich, hydrodesulfurized dearomatized; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the distillation of petroleum light fraction, hydrodesulfurized and dearomatized. It consists predominantly of hydrocarbons having carbon numbers in the range of C7 through C9, predominantly C8 paraffins and cycloparaffins, boiling in		101316-56-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C6-8, hydrogenated sorption-dearomatized, toluene raffination; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained during the sorptions of toluene from a hydrocarbon fraction from cracked gasoline treated with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C8 and boiling in the		101316-66-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), hydrodesulfurised full-range coker; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by fractionation from hydrodesulfurised coker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 to C11 and boiling in the		101316-76-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphtha (petroleum), sweetened light; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through		101795-01-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C5-6, C5-rich, steam-cracked naphtha; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of steam-cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C3		102110-14-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C5-rich, dicyclopentadiene-contg.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of the products from a steam-cracking process. It consists predominantly of hydrocarbons having carbon numbers of C5 and dicyclopentadiene and boiling in the range		102110-15-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), steam-cracked light, arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the distillation of the products of steam cracking or similar processes after taking off the very light products resulting in a residue starting with hydrocarbons having carbon numbers greater than C5. It consists predominantly of aromatic hydrocarbons having carbon		102110-55-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hydrocarbons, C≥5, C5-6-rich; Low boiling point naphtha - unspecified		68476-50-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C5-rich; Low boiling point naphtha - unspecified		68476-55-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Aromatic hydrocarbons, C8-10; Low boiling point naphtha - unspecified		90989-39-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), light catalytic cracked; Cracked gasoil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling in the range of approximately 150 °C to 400 °C (302 °F to		64741-59-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), intermediate catalytic cracked; Cracked gasoil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C30 and boiling in the range of approximately 205 °C to 450 °C (401 °F		64741-60-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), light thermal cracked; Cracked gasoil; [A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C10 through C22 and boiling in		64741-82-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrodesulfurized light catalytic cracked; Cracked gasoil; [A complex combination of hydrocarbons obtained by treating light catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling in the range of approximately 150 °C to 400 °C (302 °F to 752 °F). It contains a		68333-25-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), light steam-cracked naphtha; Cracked gasoil; [A complex combination of hydrocarbons from the multiple distillation of products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C10 through		68475-80-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), cracked steam-cracked petroleum distillates; Cracked gasoil; [A complex combination of hydrocarbons produced by distilling cracked steam cracked distillate and/or its fractionation products. It consists of hydrocarbons having carbon numbers		68477-38-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), steam-cracked; Cracked gasoil; [A complex combination of hydrocarbons produced by distillation of the products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C9 and boiling in the range of from		68527-18-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrodesulfurized thermal cracked middle; Cracked gasoil; [A complex combination of hydrocarbons obtained by fractionation from hydrodesulfurized themal cracker distillate stocks. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C11 to C25		85116-53-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), thermal-cracked, hydrodesulfurized; Cracked gasoil		92045-29-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), hydrogenated steam-cracked naphtha; Cracked gasoil; [A complex combination of hydrocarbons obtained as a residual fraction from the distillation of hydrotreated steam-cracked naphtha. It consists predominantly of hydrocarbons boiling in the range of		92062-00-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), steam-cracked naphtha distn.; Cracked gasoil; [A complex combination of hydrocarbons obtained as a column bottom from the separation of effluents from steam cracking naphtha at a high temperature. It boils in the range of approximately 147 °C to 300 °C (297 °F to		92062-04-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

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Distillates (petroleum), light catalytic cracked, thermally degraded; Cracked gasoil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of		92201-60-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residues (petroleum), steam-cracked heat-soaked naphtha; Cracked gasoil; [A complex combination of hydrocarbons obtained as residue from the distillation of steam cracked heat soaked naphtha and boiling in the range of approximately 150 °C to 350 °C (302 °F to 662 °F).]		93763-85-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfurized; Cracked gasoil; [A complex combination of hydrocarbons obtained by catalytic dehydrosulfurization of thermal-cracked light vacuum petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C14 through C20 and boiling in		97926-59-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrodesulfurized middle coker; Cracked gasoil; [A complex combination of hydrocarbons by fractionation from hydrodesulfurised coker distillate stocks. Is consists of hydro-carbons having carbon numbers predominantly in the range of C12 through C21 and boiling in the range of		101316-59-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), heavy steam-cracked; Cracked gasoil; [A complex combination of hydrocarbons obtained by distillation of steam cracking heavy residues. It consists predominantly of highly alkylated heavy aromatic hydrocarbons boiling in the range of		101631-14-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), heavy hydrocracked; Baseoil - unspecified; [A complex combination of hydrocarbons from the distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers in the range of C15-C39 and boiling in the range of		64741-76-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-refined heavy paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and		64741-88-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-refined light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and		64741-89-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum), solvent deasphalted; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the solvent soluble fraction from C3-C4 solvent deasphalting of a residuum. It consists of hydrocarbons having carbon numbers predominantly		64741-95-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F		64741-96-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-refined light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F		64741-97-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum,) solvent-refined; Baseoil - unspecified; [A complex combination by hydrocarbons obtained as the solvent insoluble fraction from solvent refining of a residuum using a polar organic solvent such as phenol or furfural. It consists of hydrocarbons having carbon numbers predominantly higher than C25		64742-01-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), clay-treated paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at		64742-36-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), clay-treated light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at		64742-37-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Residual oils (petroleum), clay-treated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treatment of a residual oil with a natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydro-carbons having carbon numbers		64742-41-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), clay-treated heavy naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS		64742-44-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), clay-treated light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at		64742-45-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS		64742-52-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of		64742-53-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a		64742-54-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °		64742-55-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified; [A complex comination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a		64742-56-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum), hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25		64742-57-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum), solvent-dewaxed; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removal of long, branched chain hydrocarbons from a residual oil by solvent crystallization. It consists of hydrocarbons having carbon numbers		64742-62-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-dewaxed heavy naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 . through C50 and produces a finished oil of not less than 100		64742-63-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-dewaxed light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range C15 through C30 and produces a finished oil with a viscosity of less than		64742-64-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a		64742-65-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphthenic oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F		64742-68-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphthenic oils (petroleum), catalytic dewaxed light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity less than 100		64742-69-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a		64742-70-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Paraffin oils (petroleum), catalytic dewaxed light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of		64742-71-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Naphthenic oils (petroleum), complex dewaxed heavy; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removing straight chain paraffin hydrocarbons as a solid by treatment with an agent such as urea. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of at least 100 SUS at		64742-75-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Naphthenic oils (petroleum), complex dewaxed light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil having a viscosity less than 100		64742-76-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a		72623-85-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil and heavy vacuum gas oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil having a viscosity of		72623-86-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of		72623-87-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils, Baseoil - unspecified; [A complex combination of hydrocarbons obtained from solvent extraction and dewaxing processes. It consists predominantly of saturated hydrocarbons having carbon numbers in the range C15		74869-22-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), complex dewaxed heavy paraffinci; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by dewaxing heavy paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of equal to or greater than 100		90640-91-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), complex dewaxed light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by dewaxing light paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F		90640-92-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent dewaxed heavy paraffinic, clay-treated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating dewaxed heavy paraffinic distillate with neutral or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons		90640-94-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C20-50, solvent dewaxed heavy paraffinic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons produced by treating dewaxed heavy paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in		90640-95-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of dewaxed light paraffinic distillate with natural or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons		90640-96-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons produced by treating a dewaxed light paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in		90640-97-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum), hydrotreated solvent dewaxed; Baseoil - unspecified		90669-74-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum), catalytic dewaxed; Baseoil - unspecified		91770-57-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), dewaxed heavy paraffinic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of		91995-39-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), dewaxed light paraffinic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of		91995-40-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrocracked solvent-refined, dewaxed; Baseoil - unspecified; [A complex combination of liquid hydrocarbons obtained by recrystallization of dewaxed hydrocracked solvent-refined petroleum distillates.]		91995-45-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-refined light naphthenic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst and removing the aromatic hydrocarbons by solvent extraction. It consists predominantly of naphthenic hydrocarbons having carbon numbers predominantly in the range of		91995-54-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C17-35, solvent-extd., dewaxed, hydrotreated; Baseoil - unspecified		92045-42-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), hydrocracked nonarom. solvent-deparaffined; Baseoil - unspecified		92045-43-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum), hydrocracked acid-treated solvent-dewaxed; Baseoil - unspecified; [A complex combination of hydrocarbons produced by solvent removal of paraffins from the residue of the distillation of acid-treated, hydrocracked		92061-86-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Paraffin oils (petroleum), solvent-refined dewaxed heavy; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from sulfur-containing paraffinic crude oil. It consists predominantly of a solvent refined deparaffinated lubricating		92129-09-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), base oil-paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by refining of crude oil. It consists predominantly of aromatics, naphthenics and paraffinics and produces a finished oil		93572-43-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed; Baseoil - unspecified		93763-38-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C20-50, residual oil hydrogenation vacuum distillate; Baseoil - unspecified		93924-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-refined hydrotreated heavy, hydrogenated; Baseoil - unspecified		94733-08-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), solvent-refined hydrocracked light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent dearomatization of the residue of hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C27 and boiling in the range of approximately 370 °C to		94733-09-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent deparaffination of the distillation residue from hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C40 and boiling in the range of approximately 370 °C to		94733-15-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrogenated raffinate-based; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent deparaffination of the hydrogenated raffinate obtained by solvent extraction of a hydrotreated petroleum distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through		94733-16-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C13-30, arom.-rich, solvent-extd. naphthenic distillate; Baseoil - unspecified		95371-04-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C16-32, arom. rich, solvent-extd. naphthenic distillate; Baseoil - unspecified		95371-05-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C37-68, dewaxed deasphalted hydrotreated vacuum distn. residues; Baseoil - unspecified		95371-07-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C37-65, hydrotreated deasphalted vacuum distn. residues; Baseoil - unspecified		95371-08-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), hydrocracked solvent-refined light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by the solvent treatment of a distillate from hydrocracked petroleum distillates. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C27 and boiling in the range of		97488-73-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Distillates (petroleum), solvent-refined hydrogenated heavy; Baseoil - unspecified; [A complex combination of hydrocarbons, obtained by the treatment of a hydrogenated petroleum distillate with a solvent. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C19 through C40 and boiling in the range of		97488-74-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C18-27, hydrocracked solvent-dewaxed; Baseoil - unspecified		97488-95-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C17-30, hydrotreated solvent-deasphalted atm. distn. residue, distn. lights; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a solvent deasphalted short residue with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C30 and boiling in the range of		97675-87-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C17-40, hydrotreated solvent-deasphalted distn. residue, vacuum distn. lights; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the catalytic hydrotreatment of a solvent deasphalted short residue having a viscosity of 8cSt at approximately 100 °C (212 °F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through		97722-06-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hydrocarbons, C13-27, solvent-extd. light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 9.5cSt at 40 °C (104 °F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C13 through C27 and boiling		97722-09-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C14-29, solvent-extd. light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 16cSt at 40 °C (104 °F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C14 through C29 and boiling		97722-10-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C27-42, dearomatized; Baseoil - unspecified		97862-81-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C17-30, hydrotreated distillates, distn. lights; Baseoil - unspecified		97862-82-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C27-45, naphthenic vacuum distn.; Baseoil - unspecified		97862-83-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C27-45, dearomatized; Baseoil - unspecified		97926-68-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C20-58, hydrotreated; Baseoil - unspecified		97926-70-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Hydrocarbons, C27-42, naphthenic; Baseoil - unspecified		97926-71-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum), carbon-treated solvent-dewaxed; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of solvent-dewaxed petroleum residual oils with activated charcoal for the removal of trace polar constituents and impurities.]		100684-37-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Residual oils (petroleum), clay-treated solvent-dewaxed; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treatment of solvent-dewaxed petroleum residual oils with bleaching earth for the removal of trace polar constituents and impurities.]		100684-38-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C >25, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of vacuum distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C25 and		101316-69-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C17-32, solvent-extd., dewaxed, hydrogenated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C32 and		101316-70-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C20-35, solvent-extd., dewaxed, hydrogenated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C35 and		101316-71-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C24 through C50 and		101316-72-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

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Extracts (petroleum), heavy naphthenic distillate solvent, arom. conc.; Distillate aromatic extract (treated); [An aromatic concentrate produced by adding water to heavy naphthenic distillate solvent extract and extraction solvent.]		68783-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from the re-extraction of solvent-refined heavy paraffinic distillate. It consists of saturated and aromatic hydrocarbons having carbon numbers		68783-04-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from a solvent extraction of		68814-89-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by treating a heavy naphthenic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and		90641-07-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), heavy paraffinic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons produced by treating a heavy paraffinic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C21 through C33 and boiling in the range of		90641-08-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), light paraffinic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons produced by treating a light paraffinic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C26 and boiling in the range of		90641-09-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), hydrotreated light paraffinic distillate solvent; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from solvent extraction of intermediate paraffinic top solvent distillate that is treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons		91995-73-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), light naphthenic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by treating the extract, obtained from a solvent extraction process, with hydrogen in the presence of a catalyst under conditions primarily to remove sulfur compounds. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C15 through C30. This stream is likely to		91995-75-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), light paraffinic distillate solvent, acid-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction of the distillation of an extract from the solvent extraction of light paraffinic top petroleum distillates that is subjected to a sulfuric acid refining. It consists predominantly of aromatic hydrocarbons having carbon numbers		91995-76-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			
Extracts (petroleum), light paraffinic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of a light paraffin distillate and treated with hydrogen to convert the organic sulfur to hydrogen sulfide which is eliminated. It consists predominantly of hydrocarbons having carbon numbers predominantly in		91995-77-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Extracts (petroleum), light vacuum gas oil solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons, obtained by solvent extraction from light vacuum petroleum gas oils and treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in		91995-79-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), heavy paraffinic distillate solvent, clay-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contact or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50. This stream		92704-08-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), heavy naphthenic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through		93763-10-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), solvent-dewaxed heavy paraffinic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained from a solvent dewaxed petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in		93763-11-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), light paraffinic distillate solvent, carbon-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillate treated with activated charcoal to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers		100684-02-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), light paraffinic distillate solvent, clay-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillates treated with bleaching earth to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers		100684-03-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), light vacuum, gas oil solvent, carbon-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oil treated with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon		100684-04-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Extracts (petroleum), light vacuum gas oil solvent, clay-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oils treated with bleaching earth for removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon		100684-05-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Foots oil (petroleum), Foots oil; [A complex combination of hydrocarbons obtained as the oil fraction from a solvent deoiling or a wax sweating process. It consists predominantly of branched chain hydrocarbons having carbon numbers predominantly in the range of C20 through		64742-67-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
Foots oil (petroleum), hydrotreated; Foots oil		92045-12-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			
erionite		12510-42-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,4,6-Trichloro-p-terphenyl	2,4,6-ﾄﾘｸﾛﾛ-p-ﾀｰﾌｪﾆﾙ	-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
2,3,5,6-Tetrachloro-p-terphenyl	2,3,5,6-ﾃﾄﾗｸﾛﾛ-p-ﾀｰﾌｪﾆﾙ	-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
2,4,4'',6-Tetrachloro-p-terphenyl	2,4,4 ''､6-ﾃﾄﾗｸﾛﾛ-p-ﾀｰﾌｪﾆﾙ	-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
2,3,4,5,6-Pentachloro-p-terphenyl	2,3,4,5,6-ﾍﾟﾝﾀｸﾛﾛ-p-ﾀｰﾌｪﾆﾙ	-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
1,2,3,4-Tetrachloro-5-(2,3-dichlorophenyl)-6-phenylbenzene	1,2,3,4-ﾃﾄﾗｸﾛﾛ-5-(2,3-ｼﾞｸﾛﾛﾌｪﾆﾙ)-6-ﾌｪﾆﾙﾍﾞﾝｾﾞﾝ	95385-87-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Terphenyl,nonachloro- (9CI)		38890-58-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
2,2-dichloroethanol		598-38-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Dichloromethoxymethane		4885-02-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
2-Chloroethanol	2-ｸﾛﾛｴﾀﾉｰﾙ	107-07-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
2-aminoacetamide		598-41-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Methylurea	ﾒﾁﾙ尿素	598-50-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Acetohydrazide		1068-57-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Hexachlorocyclobutene		6130-82-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Perchlorobuta-1,2-diene	ﾍﾟﾙｸﾛﾛﾌﾞﾀ-1,2-ｼﾞｴﾝ	56827-79-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
2,2,2,o,p'-pentachloroethylidenebisbenzene		789-02-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
N-Phenyl-1,4-phenylenediamine	N-ﾌｪﾆﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	101-54-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
hydrazobenzene; 1,2-diphenylhydrazine	1,2-ｼﾞﾌｪﾆﾙﾋﾄﾞﾗｼﾞﾝ	122-66-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
N,N-diphenylhydrazine		530-50-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
N-phenyl-o-phenylenediamine		534-85-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
2,2'-dimethyl-4,4'-bipyridine		712-61-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
4,4'-dimethyl-2,2'-bipyridyl		1134-35-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Biphenyl-2,2'-diamine	ﾋﾞﾌｪﾆﾙ-2,2'-ｼﾞｱﾐﾝ	1454-80-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
6,7-Dihydrodipyrido[1,2-a:2',1'-c]pyrazine-5,8-diium	6,7-ｼﾞﾋﾄﾞﾛｼﾞﾋﾟﾘﾄﾞ[1,2-a:2',1'-c]ﾋﾟﾗｼﾞﾝ-5,8-ｼﾞｲｳﾑ	2764-72-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2023 GADSL Management classification	IEC62474 D27.00	REACH SVHC ～29th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Suject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
N-phenylpyridine-2-methylamine		4329-81-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
6,6'-dimethyl-2,2'-bipyridine		4411-80-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
4,4'-ethylenedipyridine		4916-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
N-benzylpyridin-2-amine		6935-27-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Biphenyl-2,4-ylenediamine		16069-32-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
1,4,5,6-tetrahydro-3-phenylcyclopentapyrazole		28749-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
4-(1,1-dimethylethyl)benzene-1,2-dicarbonitrile		32703-80-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
6-benzylpyridin-2-amine		57963-09-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Propane-1,2-diol	ﾌﾟﾛﾊﾟﾝ-1,2-ｼﾞｵｰﾙ	57-55-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Dimethoxymethane	ｼﾞﾒﾄｷｼﾒﾀﾝ	109-87-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Propane-1,3-diol	ﾌﾟﾛﾊﾟﾝ-1,3-ｼﾞｵｰﾙ	504-63-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
(R)-Propane-1,2-diol	(R)-ﾌﾟﾛﾊﾟﾝ-1,2-ｼﾞｵｰﾙ	4254-14-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
(S)-Propane-1,2-diol	(S)-ﾌﾟﾛﾊﾟﾝ-1,2-ｼﾞｵｰﾙ	4254-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Ethoxymethanol		10171-38-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Propanediol	ﾌﾟﾛﾊﾟﾝｼﾞｵｰﾙ	26264-14-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
Methoxyethanol		32718-54-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
1,2,3,4(or 1,2,4,5)-tetrachlorobenzene		84713-12-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●														●		
2-Butenoic acid, 4-[(2-ethylhexyl)amino]-4-oxo-, (2Z)-, compd. with 2,2',2''-nitrilotris[ethanol] (1:1)	(Z)-4-[(2-ｴﾁﾙﾍｷｼﾙ)ｱﾐﾉ]-4-ｵｷｿｲｿｸﾛﾄﾝ酸/2,2',2''-ﾆﾄﾘﾛﾄﾘｴﾀﾉｰﾙ,(1:1)	85204-21-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●
Mixed mono and diamides of an organic acid	有機酸のﾓﾉｱﾐﾄﾞ/ｼﾞｱﾐﾄﾞ混合物	-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●
Triethanolamine salt of a substituted organic acid	置換有機酸ﾄﾘｴﾀﾉｰﾙｱﾐﾝ塩	-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●
Triethanolamine salt of tricarboxylic acid	ﾄﾘｶﾙﾎﾞﾝ酸ﾄﾘｴﾀﾉｰﾙｱﾐﾝ塩	-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	●																●
PCTP (Pentachlorothiophenol)		133-49-3	Prohibited	Mixtures, formed Products	10000	●																●

6．Substances added（Substances added to the List of Environmentally Harmful Substances Ver.7.4）

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Prohibited	ARSENIC(V) OXIDE HYDRATE		12044-50-7	REACH AnnexXVⅡ Restricted Substances
Prohibited	Arsenic acid (H3AsO4), monocesium salt		16331-85-4	REACH AnnexXVⅡ Restricted Substances
Prohibited	2,4,6,8,9,10-Hexaoxa-1,3,5,7-tetraarsatricyclo[3.3.1.13,7]decane		12505-67-8	REACH AnnexXVⅡ Restricted Substances
Prohibited	tris(trimethylsilyl)arsine		17729-30-5	REACH AnnexXVⅡ Restricted Substances
Prohibited	Arsenic acid (H3AsO4), copper(2+) salt (2:3), tetrahydrate		13478-34-7	REACH AnnexXVⅡ Restricted Substances
Prohibited	Arsenic acid (H3AsO4), zinc salt (1:1)		13464-33-0	REACH AnnexXVⅡ Restricted Substances
Prohibited	potassium dimethylarsinate		21416-85-3	REACH AnnexXVⅡ Restricted Substances
Prohibited	thallium arsenic selenide		16142-89-5	REACH AnnexXVⅡ Restricted Substances
Prohibited	3-[(dimethylcarbamothioyl)thio]-N,N,6-trimethyl-1,5-bis(thioxo)-2,4-dithia-6-aza-3-arsaheptan-1-amine; asomate		3586-60-5	REACH AnnexXVⅡ Restricted Substances
Prohibited	Cadmate(1-), triiodo-, potassium		14429-88-0	REACH AnnexXVⅡ Restricted Substances
Prohibited	cadmium zinc telluride		303114-50-3	REACH AnnexXVⅡ Restricted Substances
Observation	1,3-diethyl-2-thiourea		105-55-5	GADSL 2023 #74
Prohibited	dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.		-	IEC62474
Prohibited	1,1,1,2,2,3-Hexachloro-3-fluoropropane		422-26-4	IEC62474
Prohibited	2-[2-(Nonylphenoxy)Ethoxy]Ethanol		27176-93-8	GADSL 2023 #150
Prohibited	29-(Nonylphenoxy)-3,6,9,12,15,18,21,24,27-Nonaoxanonacosanol		27177-08-8	GADSL 2023 #150
Prohibited	Decaethylene glycol, isononylphenyl ether		65455-72-3	GADSL 2023 #150
Prohibited	Nonylphenol polyethylene glycol ether		27177-01-1	GADSL 2023 #150
Prohibited	20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		27177-03-3	REACH AnnexⅩⅥ Authorized Substances
Prohibited	2-(nonylphenoxy)ethanol		27986-36-3	REACH AnnexⅩⅥ Authorized Substances
Prohibited	26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol		42173-90-0	REACH AnnexⅩⅥ Authorized Substances
Prohibited	44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaoxatetratetracontanol		57321-10-5	REACH AnnexⅩⅥ Authorized Substances
Prohibited	20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		65455-69-8	REACH AnnexⅩⅥ Authorized Substances
Prohibited	2-(isononylphenoxy)ethanol		85005-55-6	REACH AnnexⅩⅥ Authorized Substances

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Prohibited	3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched		91648-64-5	REACH Annex XVI Authorized Substances
Observation	2-Iodo-1-(perfluorohex-1-yl)octane		109574-84-7	GADSL 2023 #164
Observation	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol		647-42-7	GADSL 2023 #164
Prohibited	Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12- pentacosafluoro-14-iodo-		30046-31-2	GADSL 2023 #167
Observation	Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 3-methyl-3-((2,2,3,3,3-pentafluoropropoxy)methyl)oxetane, ether with 2,2-dimethyl-1,3-propanediol (2:1), polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane		1029089-63-1	GADSL 2023 #176(PFAS)
Observation	Lufenuron		103055-07-8	GADSL 2023 #176(PFAS)
Observation	2-(Perfluorotetradecyl)ethanethiol		103119-64-8	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,9-dimethyldecane		103188-55-2	GADSL 2023 #176(PFAS)
Observation	Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], α-[1,2,2,2-tetrafluoro-1-[[(2-hydroxyethyl)amino]carbonyl]ethyl]-ω-[tetrafluoro(trifluoromethyl)ethoxy]-, ether with α-hydro-ω-hydroxypoly(oxy-1,2-ethanediyl) (2:1)		1033385-42-0	GADSL 2023 #176(PFAS)
Observation	N-[3-(Dimethylamino)propyl]perfluoroheptanamide		103831-28-3	GADSL 2023 #176(PFAS)
Observation	Reaction products with N-methylamine acetate, potassium hydroxide, .alpha.-fluoro-.omega.-iodopoly(perfluoroethylene)(n=4-8) and 2-propen-1-ol (Unidyne DS 102)		104075-34-5	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), .alpha.-[5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-octadecafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl]-.omega.-hydroxy-		104075-36-7	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulfonyl]propylamino]ethylester, copolymer with methyloxirane and oxiranemono-2-propenoate		104242-02-6	GADSL 2023 #176(PFAS)
Observation	Carbamic acid, [3-[[[2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethoxy]carbonyl]amino]-4-methylphenyl]-, 2-[[(heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester		104267-74-5	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-Nonacosafluorohexadec-1-ene		104564-28-5	GADSL 2023 #176(PFAS)
Observation	Siloxanes and silicones, dimethyl, methyl 3-(1,1,2,2-tetrafluoroethoxy)propyl, methyl 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-		104780-70-3	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluoroethyl vinyl ether		10493-43-3	GADSL 2023 #176(PFAS)
Observation	1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with ethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		105656-63-1	GADSL 2023 #176(PFAS)
Observation	3-Iodo-1,1,2,2-tetrafluoropropyl trifluorovinyl ether		106108-22-9	GADSL 2023 #176(PFAS)
Observation	1-1-Difluoro(trifluoroethenyl)oxymethyl-1,2,2,2-tetrafluoroethoxy-1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propane polymer with tetrafluoroethene and 1,1,2,2-tetrafluoro-3-iodo-1-(trifluoroethenyl)oxypropane		106108-23-0	GADSL 2023 #176(PFAS)
Observation	Methyl 2,3,3,3-tetrafluoro-2-(1,1,2,2-tetrafluoro-3-iodopropoxy)propanoate		106394-03-0	GADSL 2023 #176(PFAS)
Observation	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2-tetrafluoro-3-iodopropoxy)-, sodium salt		106394-04-1	GADSL 2023 #176(PFAS)
Observation	Methyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-3-iodopropoxy)propoxy]propanoate		106394-05-2	GADSL 2023 #176(PFAS)
Observation	1,3,5,2,4,6-Triazatriphosphorine,2,2,4,4,6,6-hexahydrotris[(2,2,3,3,4,4,5,5-octafluoropentyl)oxy]tris(2,2,3,3,3-pentafluoropropoxy)-(9CI)		106796-59-2	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, polymer with 2-(diethylamino)ethyl 2-methyl-2-propenoate, 2-propenoic acid and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate, acetate		1071022-26-8	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, block		107221-31-8	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,1-difluoroethene, ethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		107810-71-9	GADSL 2023 #176(PFAS)
Observation	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-[2-[(.gamma.-.omega.-perfluoro-C4-20-alkyl)thio]acetyl] derivs., inner salts		1078715-61-3	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with (2-bromo-1,1,2,2-tetrafluoroethoxy)trifluoroethene, 1,1-difluoroethene and tetrafluoroethene		108144-05-4	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl N,N-dibutyl-beta-alaninate		108196-44-7	GADSL 2023 #176(PFAS)
Observation	Perfluorohexanesulfonate		108427-53-8	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Cyclotetrasiloxane, 2,4,6,8-tetramethyl-2-[3-[2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy] propoxy]propyl]-, Si -[3-(2-oxiranylmethoxy)propyl] derivs.		1005771-59-4	GADSL 2023 #176(PFAS)
Observation	2-Perfluoroalkyl(C4-14)ethyl acrylate-benzyl methacrylate		100932-58-9	GADSL 2023 #176(PFAS)
Observation	Acrinathrin		101007-06-1	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2,2,3,3,3-pentafluoro-1-(pentafluoroethyl)-1-(trifluoromethyl)propyl ester, homopolymer		101061-04-5	GADSL 2023 #176(PFAS)
Observation	1,1,1,3,3,4,4,4-Octafluoro-2-(trifluoromethyl)butan-2-yl 2-methylprop-2-enoate		101061-05-6	GADSL 2023 #176(PFAS)
Observation	1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-[(trifluoroethenyl)oxy]-, homopolymer		101182-89-2	GADSL 2023 #176(PFAS)
Observation	1012783-71-9 (name too long)		1012783-71-9	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, acrylates		101316-90-9	GADSL 2023 #176(PFAS)
Observation	Sodium perfluorobutanesulfinate		102061-82-5	GADSL 2023 #176(PFAS)
Observation	Triethoxy(1,1,2,2,3,3,6,6,6-nonafluorohexyl)silane		102390-98-7	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with 2-hydroxyethyl 2-propenoate, .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) and 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane polymer with tetrahydrofuran		1092822-31-5	GADSL 2023 #176(PFAS)
Observation	4,4'-[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]bisbenzenamine		1095-78-9	GADSL 2023 #176(PFAS)
Observation	N-(Carboxymethyl)-N-[3-[[(perfluorooctyl)sulfonyl]amino]propyl]-N,N-bis(2-hydroxy-3-sulfopropyl)ammonium chloride, trisodium		109669-84-3	GADSL 2023 #176(PFAS)
Observation	Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-, reaction products with 3-chloro-1,2-propanediol and alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene)		110053-43-5	GADSL 2023 #176(PFAS)
Observation	alpha-[2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl]-omega-(4-sulfobutoxy)-poly(oxy-1,2-ethanediyl) sodium salt (1:1)		110494-69-4	GADSL 2023 #176(PFAS)
Observation	2-[[3-[(Perfluorooctyl)sulfonyl]propyl]amino]ethyl-2-propenoate		110570-90-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2-Propenoic acid, 2-[[3-[(heptadecafluorooctyl)sulfonyl]propyl]amino]ethyl ester polymer with .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl)		110570-91-7	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-[[3-[(heptadecafluorooctyl)sulfonyl]propyl]amino]ethyl ester polymer with .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		110570-92-8	GADSL 2023 #176(PFAS)
Observation	5,5'-[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]-bis(1,3-isobenzofurandione)		1107-00-2	GADSL 2023 #176(PFAS)
Observation	An acrylate-perfluoroalkyl copolymer surfactant (3M Co.) (Fluorad FC 430)		11114-17-3	GADSL 2023 #176(PFAS)
Observation	Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-((trifluoroethenyl)oxy)-, polymer with tetrafluoroethene		111173-25-2	GADSL 2023 #176(PFAS)
Observation	(1Z)-1-Chloro-2,3,3,3-tetrafluoroprop-1-ene		111512-60-8	GADSL 2023 #176(PFAS)
Observation	Tetraconazole		112281-77-3	GADSL 2023 #176(PFAS)
Observation	Perfluoro(2-[(1-propoxypropan-2-yl)oxy]propanoyl) fluoride		112820-37-8	GADSL 2023 #176(PFAS)
Observation	Oxetane, 2,2,3,3-tetrafluoro-, homopolymer, fluorinated		113114-19-5	GADSL 2023 #176(PFAS)
Observation	Sodium 1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate		1132933-86-8	GADSL 2023 #176(PFAS)
Observation	Perfluoro(2-ethoxyethanesulfonic acid)		113507-82-7	GADSL 2023 #176(PFAS)
Observation	N-(2-Carboxyethyl)-N,N-dimethyl-3-[(perfluoro-1-oxodecyl)amino]propanaminium		113933-98-5	GADSL 2023 #176(PFAS)
Observation	Hexafluoroacetone-trifluoroethene-vinylidene fluoride copolymer		114502-89-5	GADSL 2023 #176(PFAS)
Observation	4-(1H,1H-Perfluoropropyl)-1,3-dioxolan-2-one		114810-51-4	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, Me 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl		115340-95-9	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, polymer with 2-hydroxyethyl 2-methyl-2-propenoate, α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, sodium salt		1158951-86-0	GADSL 2023 #176(PFAS)
Observation	Copolymer of chlorotrifluoroethylene-tetrafluoroethylene-perfluoro(propoxyethylene)(the number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, fat-soluble solvent, usual solvent, acid and alkali)		116018-07-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Hexafluoropropene		116-15-4	GADSL 2023 #176(PFAS)
Observation	N-Ethyl-N-(perfluoro-1-oxoheptyl)-glycine sodium salt		116537-74-7	GADSL 2023 #176(PFAS)
Observation	4,4'-[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]bis-benzoic acid		1171-47-7	GADSL 2023 #176(PFAS)
Observation	Potassium 1,1,2,2-tetrafluoro-2-(pentafluoroethoxy)ethane-1-sulfonate		117205-07-9	GADSL 2023 #176(PFAS)
Observation	1-[5-(Polyfluorophenyl)-4,5-dihydro-3-heteromonocycle]substituted-ethyl		1173693-36-1	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,4,4-octafluoro-4-(fluorosulfonyl)butoxy]propanoyl fluoride		117516-16-2	GADSL 2023 #176(PFAS)
Observation	Lithium perfluoroheptanesulfonate		117806-54-9	GADSL 2023 #176(PFAS)
Observation	Copolymer of octadecyl acrylate / chloroethene / docosyl acrylate / 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate / N-(hydroxymethyl)acrylamide		1187311-64-3	GADSL 2023 #176(PFAS)
Observation	Perfluoro(methyl vinyl ether)		1187-93-5	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,3,4,4-Nonafluorononane		1190430-21-7	GADSL 2023 #176(PFAS)
Observation	Acetic acid, 2,2-difluoro-2-[[2,2,4,5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]-, ammonium salt (1:1)		1190931-27-1	GADSL 2023 #176(PFAS)
Observation	2,2-Difluoro-2-[[2,2,4,5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetic acid		1190931-41-9	GADSL 2023 #176(PFAS)
Observation	Flupoxam		119126-15-7	GADSL 2023 #176(PFAS)
Observation	N-(2-Carboxyethyl)-3-[(perfluoro-1-oxononyl)amino]-N,N-dimethyl-1-propanaminium		119131-05-4	GADSL 2023 #176(PFAS)
Observation	(2R,3R)-2,3-Dichloro-1,1,1,2,3,4,4,4-octafluorobutane		119450-81-6	GADSL 2023 #176(PFAS)
Observation	3-[2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propoxy]prop-1-ene		119511-16-9	GADSL 2023 #176(PFAS)
Observation	Methyldichloro[3-[2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propoxy]propyl]silane		119511-19-2	GADSL 2023 #176(PFAS)
Observation	1202381-95-0 (name too long)		1202381-95-0	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, 2-propenoic acid and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, sodium salt		1206450-10-3	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-iodo-6-(trifluoromethyl)aniline		1207315-39-6	GADSL 2023 #176(PFAS)
Observation	Broflanilide		1207727-04-5	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(1,1,2,2,3,3-hexafluoro-1,3-propanediyl)], .alpha.-(2-carboxy-1,1,2,2-tetrafluoroethyl)-.omega.-(1,1,2,2,3,3,3-heptafluoropropoxy)-		120895-92-3	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,5,5,6,6-Decafluoro-6-[(trifluoroethenyl)oxy]hexanenitrile		120903-40-4	GADSL 2023 #176(PFAS)
Observation	Noviflumuron		121451-02-3	GADSL 2023 #176(PFAS)
Observation	3,5-dichloro-2-fluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)aniline		121451-05-6	GADSL 2023 #176(PFAS)
Observation	Borate(1-), tetrahydro-, sodium (1:1), reaction products with reduced polymd. oxidized tetrafluoroethylene, hydrolyzed, diallyl ethers, polymers with 2,4,6,8-tetramethylcyclotetrasiloxane, Si-(8,13-dioxo-4,7,12-trioxa-9-azapentadec-14-en-1-yl) derivs.		1214752-87-0	GADSL 2023 #176(PFAS)
Observation	N,N'-bis(2-hydroxy-6,6,7,7-tetrafluoro-4-oxaheptyl)tetramethylethylenediaminium chloride		1220100-43-5	GADSL 2023 #176(PFAS)
Observation	Perfluoro-3-[3-[3-(propoxy)propoxy]propoxy]propanoyl fluoride		122075-99-4	GADSL 2023 #176(PFAS)
Observation	Perfluoro-3,7,11-trioxatetradecane		122076-00-0	GADSL 2023 #176(PFAS)
Observation	1,1,1,3-Tetramethyl-3,3-bis(1,1,2,2,3,3,6,6,6-nonafluorohexyl)disiloxane		122179-35-5	GADSL 2023 #176(PFAS)
Observation	2-Perfluoroalkyl(C4-14)ethyl acrylate-ethyl methacrylate-polyethylene glycol mono methacrylate copolymer		122304-67-0	GADSL 2023 #176(PFAS)
Observation	Phosphoric acid, mixed esters with polyethylene glycol and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol, ammonium salts		1224429-82-6	GADSL 2023 #176(PFAS)
Observation	6,9,12,15-Tetraoxa-2-silaoctadecane, 2,2-dichloro-8,10,10,11,13,13,14,16,16,17,17,18,18,18-tetradecafluoro-8,11,14-tris(trifluoromethyl)-		122734-47-8	GADSL 2023 #176(PFAS)
Observation	1,2-Dichloro-1,1,2,3,3,4,4-heptafluoro-4-[(1,2,2-trifluoroethenyl)oxy]butane		122857-45-8	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-[2-(acetyloxy)-3-[(carboxymethyl)dimethylammonio]propyl]-.omega.-fluoro-, inner salt		123171-68-6	GADSL 2023 #176(PFAS)
Observation	Potassium trifluorotris(perfluoroethyl)phosphate		123215-04-3	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluoro(4a-(cyclohexylmethyl)decahydronaphthalene)		125061-94-1	GADSL 2023 #176(PFAS)
Observation	3-(Perfluoro-2-butyl)propane-1,2-diol		125070-38-4	GADSL 2023 #176(PFAS)
Observation	2-Propanone, 1,1,1,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoroethene		125128-66-7	GADSL 2023 #176(PFAS)
Observation	8-(Ethenyloxy)-1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorooctane		125660-00-6	GADSL 2023 #176(PFAS)
Observation	Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[1,2,2,2-tetrafluoro-1-(hydroxymethyl)ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		126066-30-6	GADSL 2023 #176(PFAS)
Observation	Ethanol, 2,2'-[oxybis(2,1-ethanediyloxy)]bis-, ethers with ethoxylated reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		1260733-08-1	GADSL 2023 #176(PFAS)
Observation	Thieno[3,4-b]thiophene, homopolymer, 2-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoroethanesulfonic acid-tetrafluoroethylene polymer-doped		1269217-82-4	GADSL 2023 #176(PFAS)
Observation	α-fluoro-ω-(2-hydroxyethyl)poly(difluomethylene)		126927-97-7	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(1,1,2,2-tetrafluoro-1,2-ethanediyl)], α-(1,1-difluoro-2-methoxy-2-oxoethyl)-ω-(1,1-difluoro-2-methoxy-2-oxoethoxy)-		130030-19-2	GADSL 2023 #176(PFAS)
Observation	[(Perfluoroheptanoyl)amino]-3-betaine		130114-31-7	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid--ammonia (1/1)		13043-05-5	GADSL 2023 #176(PFAS)
Observation	1,4-Dichloro-2-(1,1,2,3,3,3-hexafluoropropoxy)-5-nitrobenzene		130841-23-5	GADSL 2023 #176(PFAS)
Observation	Hexafluoroacetone sesquihydrate		13098-39-0	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-chloro-.omega.-(1-chloro-1-fluoroethyl)-		131324-06-6	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2-methyl-3-oxaoctanedioyl fluoride		13140-22-2	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,5,8,11,14,17-hexamethyl-3,6,9,12,15,18-hexaoxaheneicosanoyl fluoride		13140-24-4	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,5,8,11,14,17,20-heptamethyl-3,6,9,12,15,18,21-heptaoxatetracosanoyl fluoride		13140-25-5	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,5,8,11,14,17,20,23-octamethyl-3,6,9,12,15,18,21,24-octaoxaheptacosanoyl fluoride		13140-26-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Methyl perfluoro(2-propoxypropanoate)		13140-34-6	GADSL 2023 #176(PFAS)
Observation	2-Methoxy-2H-perfluoropropane		13171-18-1	GADSL 2023 #176(PFAS)
Observation	Hexafluoro-1,3-bis(trifluoromethyl)cyclobutane		13221-71-1	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid		13252-14-7	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,5,8,11,14-pentamethyl-3,6,9,12,15-pentaoxaoctadecanoyl fluoride		13252-15-8	GADSL 2023 #176(PFAS)
Observation	Lithium bis[(pentafluoroethyl)sulfonyl]azanide		132843-44-8	GADSL 2023 #176(PFAS)
Observation	2-(((Heptadecafluorooctyl)sulphonyl)propyl amino)ethyl methacrylate		13285-40-0	GADSL 2023 #176(PFAS)
Observation	1333523-10-6 (name too long)		1333523-10-6	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, acetate		1334473-84-5	GADSL 2023 #176(PFAS)
Observation	Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[1,2,2,2-tetrafluoro-1-(methoxycarbonyl)ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		134035-61-3	GADSL 2023 #176(PFAS)
Observation	Perfluorooctane sulfonamido amine		13417-01-1	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, dimer		13429-24-8	GADSL 2023 #176(PFAS)
Observation	Hexene, undecafluoro(4-sulfophenoxy)-, sodium salt		134344-15-3	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,4-Heptafluorobutyl methacrylate		13695-31-3	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,3,4,4-Nonafluoro-4-[(trifluoroethenyl)oxy]butane		13782-76-8	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, fluorinated, reduced, 3-[2,4,6,8-tetramethyl-4,6,8-tris[3-(trimethoxysilyl)propyl] cyclotetrasiloxan-2-yl]propyl ethers		1378309-01-3	GADSL 2023 #176(PFAS)
Observation	Ethanesulfonyl fluoride, 2-[1-[difluoro][(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, potassium salts		1378928-76-7	GADSL 2023 #176(PFAS)
Observation	Ethanesulfonyl fluoride, 2-[1-[difluoro][(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed		1378930-04-1	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Propanoic acid, 3-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, methyl ester, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, potassium salts		1378930-30-3	GADSL 2023 #176(PFAS)
Observation	Enflurane		13838-16-9	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,3-Hexafluoro-1,3-bis((trifluorovinyl)oxy)propane		13846-22-5	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, 3-aminopropyl Me, di-Me, Me 3-mercaptopropyl, polymers with stearyl acrylate, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate, rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate and vinyl chloride		1407491-30-8	GADSL 2023 #176(PFAS)
Observation	2,2,2-tris(Trifluoromethyl)ethanol		14117-17-0	GADSL 2023 #176(PFAS)
Observation	2-Methyl-2-propenoic acid methyl ester, 2,2,3,3,3-pentafluoropropyl 2-methyl-2-propenoate-2,2,3,3-tetrafluoropropyl 2-methyl-2-propenoate copolymer		142033-27-0	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., fluorinated, reduced, 3-[tris[3-(trimethoxysilyl)propyl]silyl]propyl ethers		1422364-27-9	GADSL 2023 #176(PFAS)
Observation	3,5,6-Trichloro-2,2,3,4,4,5,6,6-octafluorohexanoyl chloride		1422-98-6	GADSL 2023 #176(PFAS)
Observation	3-(1,1,2,2-Tetrafluoroethoxy)propene		1428-33-7	GADSL 2023 #176(PFAS)
Observation	143336-91-8 (name too long)		143336-91-8	GADSL 2023 #176(PFAS)
Observation	Perfluoro-N,N,N',N'-tetrakis(heptafluoropropyl)-1,6-hexanediamine		143356-32-5	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.',.alpha.'',.alpha.'''-(oxydi-3,1,2-propanetriyl)tetrakis[.omega.-[(heptadecafluorononenyl)oxy]]-		143907-02-2	GADSL 2023 #176(PFAS)
Observation	4,5-Dichloroperfluoro-3-oxapentanesulfonyl fluoride		144728-59-6	GADSL 2023 #176(PFAS)
Observation	Perfluoro-1-(2-iodoethoxy)-2-propoxypropane		144938-16-9	GADSL 2023 #176(PFAS)
Observation	Perfluoro(2-(2-propoxypropoxy)-1H,1H-propan-1-ol)		14548-74-4	GADSL 2023 #176(PFAS)
Observation	Butyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoate		145510-89-0	GADSL 2023 #176(PFAS)
Observation	Ethene, 1-(2-bromo-1,1,2,2-tetrafluoroethoxy)-1,2,2-trifluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		145724-84-1	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2,3,3,3-Tetrafluoro-2-{1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propoxy}propan-1-ol		14620-81-6	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(1,1,2,2-tetrafluoro-1,2-ethanediyl)], .alpha.-(1,1-difluoro-2-hydroxyethyl)-.omega.-(1,1-difluoro-2-hydroxyethoxy)		146222-54-0	GADSL 2023 #176(PFAS)
Observation	2-(((Heptadecafluorooctyl)sulfonyl)methylamino)ethyl methacrylate		14650-24-9	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, butyl- and 3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl group-terminated, polymers with 2-[[(heptadecafluororoctyl)sulfonyl]methyl amino]ethylacrylate and iso-Bu methacrylate		146632-08-8	GADSL 2023 #176(PFAS)
Observation	Thionyl chloride, reaction products with ammonia and polymd. oxidized 1,1,2,3,3,3-hexafluoro-1-propene hydrolyzed high-boiling fraction non-aqueous phase		147129-88-2	GADSL 2023 #176(PFAS)
Observation	Butyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate		147224-18-8	GADSL 2023 #176(PFAS)
Observation	1,2,3-Propanetricarboxylic acid, 1-sulfo-, C,C,C-tris[1-[(2,2,3,3,3-pentafluoropropoxy)methyl]propyl] ester, sodium salt (1:1)		1472634-24-4	GADSL 2023 #176(PFAS)
Observation	2-{Methyl[(nonafluorobutyl)sulfonyl]amino}ethyl phosphate		147545-41-3	GADSL 2023 #176(PFAS)
Observation	Bisphenol AF		1478-61-1	GADSL 2023 #176(PFAS)
Observation	3-(Perfluoroethyl)propanol		148043-73-6	GADSL 2023 #176(PFAS)
Observation	Fatty acids, C18-unsatd., trimers, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl esters		148240-79-3	GADSL 2023 #176(PFAS)
Observation	Bis(3-(perfluoroethyl)-1-(9-bromononyl)propyl) thioether		148757-89-5	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, C12-18-alkyl esters, polymer with .alpha.-fluoro-.omega.-[2-[(1-oxy-2-propenyl)oxy]ethyl]poly(difluoromethylene) and vinylidene chloride		148878-17-5	GADSL 2023 #176(PFAS)
Observation	Perfluoroheptanedioic acid		14919-09-6	GADSL 2023 #176(PFAS)
Observation	4-(Methyl((nonafluorobutyl)sulfonyl)amino)butyl prop-2-enoate		1492-87-1	GADSL 2023 #176(PFAS)
Observation	2,3-Dichloro-1,1,1,2-tetrafluoropropane		149329-25-9	GADSL 2023 #176(PFAS)
Observation	6:2 Fluorotelomer thioether propanoic acid		149339-57-1	GADSL 2023 #176(PFAS)
Observation	4(perfluorooctyl)-2-butanol		149868-74-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, ethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		149935-01-3	GADSL 2023 #176(PFAS)
Observation	Cryolite		15096-52-3	GADSL 2023 #176(PFAS)
Observation	3:2 Fluorotelomer iodide		1513-88-8	GADSL 2023 #176(PFAS)
Observation	151402-74-3 (name too long)		151402-74-3	GADSL 2023 #176(PFAS)
Observation	Hexafluoro-2-methyl-2-propanol		1515-14-6	GADSL 2023 #176(PFAS)
Observation	(E)-Perfluoro-2-butene		1516-64-9	GADSL 2023 #176(PFAS)
Observation	3-Chloro-1,1,1,2-tetrafluoropropane		151771-09-4	GADSL 2023 #176(PFAS)
Observation	152286-23-2 (name too long)		152286-23-2	GADSL 2023 #176(PFAS)
Observation	Oxirane, methyl-, polymer with oxirane, mono(2-methyl-2-propenoate), octyl ether, polymer with α-fluoro-ω-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] (9CI)		152286-25-4	GADSL 2023 #176(PFAS)
Observation	Allyl perfluoroisopropyl ether		15242-17-8	GADSL 2023 #176(PFAS)
Observation	2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymer withchloroethene and .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		152521-12-5	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, hexadecyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and octadecyl 2-propenoate		152521-13-6	GADSL 2023 #176(PFAS)
Observation	Bis(perfluoroethanesulfonyl)imide		152894-10-5	GADSL 2023 #176(PFAS)
Observation	1H,1H,2H-Perfluorocyclopentane		15290-77-4	GADSL 2023 #176(PFAS)
Observation	Magnesium, chloro-2-propen-1-yl-, reaction products with Me esters of fluorinated reduced polymd. oxidized tetrafluoroethylene and trimethoxysilane		1538576-70-3	GADSL 2023 #176(PFAS)
Observation	2-(Difluoroiodomethyl)-1,1,1,2,3,3,3-heptafluoropropane		1542-18-3	GADSL 2023 #176(PFAS)
Observation	Benzoic acid, ethenyl ester, polymer with propanoic acid, 2,2-dimethyl-, ethenyl ester, 1-butanol 4-(ethenyloxy)-, 1-propene, 2-methyl- and ethene, tetrafluoro-		154532-82-8	GADSL 2023 #176(PFAS)
Observation	7H-Perfluoroheptanoic acid		1546-95-8	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2,3,3,4,4,5,5-Heptafluoro-1-pentene		1547-26-8	GADSL 2023 #176(PFAS)
Observation	Trichloro(3-(1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy)propyl)silane		15538-93-9	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, N-(3-isocyanatomethylphenyl)carbamates		1564254-27-8	GADSL 2023 #176(PFAS)
Observation	2-Oxiranemethanol, polymers with reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		156559-18-1	GADSL 2023 #176(PFAS)
Observation	Perfluoro-9-methyldecanoyl fluoride		15720-98-6	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,5,5,6,6,7,8,8,8-Tetradecafluoro-7-(trifluoromethyl)octyl fluoride		15742-62-8	GADSL 2023 #176(PFAS)
Observation	cis-Perfluoro-2,4-dimethylcyclobutane		1583-97-7	GADSL 2023 #176(PFAS)
Observation	(2R,4R)-1,1,2,3,3,4-Hexafluoro-2,4-bis(trifluoromethyl)cyclobutane		1583-98-8	GADSL 2023 #176(PFAS)
Observation	Perfluoro(2-methylpent-2-ene)		1584-03-8	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene, oxidized		158706-63-9	GADSL 2023 #176(PFAS)
Observation	Perfluoro-5-(trifluoromethyl)hexanoic acid		15899-29-3	GADSL 2023 #176(PFAS)
Observation	Perfluoro-6-methylheptanecarboxylic acid		15899-31-7	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrafluoro-2-(trifluoromethoxy)-N,N-bis(trifluoromethyl)ethanamine		160228-75-1	GADSL 2023 #176(PFAS)
Observation	1-Propanaminium, 3-amino-N-(2-carboxyethyl)-N,N-dimethyl-, N-(δ-.omega.-perfluoro-β-hydroxy-C12-18-alkyl) derivs., inner salts		160336-10-7	GADSL 2023 #176(PFAS)
Observation	Chloroethylene-vinylformic acid-perfluoroalkyl(ethyl) copolymer		160476-36-8	GADSL 2023 #176(PFAS)
Observation	3,5,7,7-Tetrachloro-2,2,3,4,4,5,6,6,7-nonafluoroheptanoic acid		16069-78-6	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, esters, 2-methyl-, 2-ethylhexyl ester, polymers with 2-[[(heptadecafluorooctyl)sulfonyl]amino]ethyl methacrylate N-C1-3-alkyl derivs.		160709-33-1	GADSL 2023 #176(PFAS)
Observation	Iodoperfluoroalkane(C5-14)		160738-69-2	GADSL 2023 #176(PFAS)
Observation	Perfluoro(4-methyl-3,6-dioxaoct-7-ene)sulfonyl fluoride		16090-14-5	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Sodium, di(perfluoroalkyl(C4-18))sulfonatobutanedioic acid		160994-59-2	GADSL 2023 #176(PFAS)
Observation	161075-00-9 (Name Too Long)		161075-00-9	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated		161075-02-1	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, hydrolysed		161075-03-2	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters		161075-12-3	GADSL 2023 #176(PFAS)
Observation	Hexafluoropropene, oxidized, oligomers, reduced and hydrolyzed		161075-14-5	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl(C4-23) iodide		161075-23-6	GADSL 2023 #176(PFAS)
Observation	Alanine, 2-methyl-N-(1-oxo-2-propenyl)-, perfluoro-.omega.-[(perfluoro-C1-8-alkyl)oxy]-C3-12-alkyl esters		161075-35-0	GADSL 2023 #176(PFAS)
Observation	Alcohols, C12-26-secondary, .gamma.-.omega.-perfluoro, ethoxylated (2-Perfluoroalkyl(C9-23)-1-methylethyl polyoxyethylene ether)		161075-39-4	GADSL 2023 #176(PFAS)
Observation	1,3-Dioxole, 2,2,4-trifluoro-5-(trifluoromethoxy) polymer with tetrafluoroethene		161611-79-6	GADSL 2023 #176(PFAS)
Observation	Perfluoropropyl trifluorovinyl ether		1623-05-8	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, ethoxylated		162492-15-1	GADSL 2023 #176(PFAS)
Observation	Alcohols, C8-14, perfluoro, reaction products with di-Me, Me hydrogen siloxanes and polyethylene glycol mono-Me ether Basic information		162567-79-5	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, butyl ester, reaction product with poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-hydroxy-, and N-ethyl-N-2-hydroxyethyl perfluoroctane sulfonamide		162568-17-4	GADSL 2023 #176(PFAS)
Observation	1627515-87-0 (name too long)		1627515-87-0	GADSL 2023 #176(PFAS)
Observation	Hexanenitrile, 2,2,3,3,4,4,5,5,6,6-decafluoro-6-[(trifluoroethenyl)oxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		163336-49-0	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-ethylhexyl ester, polymer with 1,1-dichloroethene and .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		163440-88-8	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Poly(difluoromethylene), .alpha.-hydro-.omega.-(2,2-dichloro-2-fluoroethyl)-		163440-89-9	GADSL 2023 #176(PFAS)
Observation	Ethyl perfluorobutyl ether		163702-05-4	GADSL 2023 #176(PFAS)
Observation	Perfluoroisobutyl ethyl ether		163702-06-5	GADSL 2023 #176(PFAS)
Observation	Perfluorobutyl methyl ether		163702-07-6	GADSL 2023 #176(PFAS)
Observation	Perfluoroisobutyl methyl ether		163702-08-7	GADSL 2023 #176(PFAS)
Observation	Perfluoro(2,7-dimethyl-3,6-dioxasuberoyl) fluoride		1644-10-6	GADSL 2023 #176(PFAS)
Observation	Perfluoro(2-propoxypropyl vinyl ether)		1644-11-7	GADSL 2023 #176(PFAS)
Observation	Hexafluoroisopropylideneimine		1645-75-6	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, Bu group- and 3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group-terminated, telomer with acrylic acid, di-Me, Me 3-mercaptopropyl siloxanes, Me acrylate, Me methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]		1645845-44-8	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, polymers with 3-[(2-aminoethyl)amino)propyl silsesquioxanes, hydroxy-terminated, reaction products with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonyl fluoride		1645848-42-5	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,1-difluoroethene, ethyl 2-propenoate and 1,1,2,3,3,3-hexafluoro-1-propene		1646594-71-9	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(1,1,2,2-tetrafluoro-1,2-ethanediyl)], α-(2,2,2-trifluoroacetyl)-ω-[(2,2,2-trifluoroacetyl)oxy]-		1646599-55-4	GADSL 2023 #176(PFAS)
Observation	1,2,2,3,3,4,5,5-Octafluoro-4-(trifluoromethyl)-Cyclopentanecarbonyl fluoride		1646599-70-3	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-tetrafluoropropanamide		1647-57-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro-9-(trifluoromethyl)decanoic acid		16486-94-5	GADSL 2023 #176(PFAS)
Observation	Perfluorooctadecanoic acid		16517-11-6	GADSL 2023 #176(PFAS)
Observation	Propane, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethane		165178-32-5	GADSL 2023 #176(PFAS)
Observation	Perfluorooctanesulfonamido ammonium iodide		1652-63-7	GADSL 2023 #176(PFAS)
Observation	1,1,3-Trichloro-1,2,2,3,3-pentafluoropropane		1652-81-9	GADSL 2023 #176(PFAS)
Observation	(2H-Perfluoroethyl)(1H,1H,3H-perfluoropropyl)ether		16627-68-2	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1-Iodo-1H,1H,2H,2H-perfluoroheptane		1682-31-1	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-(perfluoroethoxy)propanoyl fluoride		1682-78-6	GADSL 2023 #176(PFAS)
Observation	Ethanesulfonyl fluoride, 1,1,2,2-tetrafluoro-2-[(1,2,2-trifluoroethenyl)oxy]-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, lithium salts		1687740-67-5	GADSL 2023 #176(PFAS)
Observation	2-Perfluorooctylsulfonyl-N-ethylaminoethyl alcohol		1691-99-2	GADSL 2023 #176(PFAS)
Observation	Cyclohexanemethanol, 4-(ethenyloxy)methyl-, polymer with chlorotrifluoroethene, (ethenyloxy)cyclohexane, .alpha.-4-(ethenyloxy)methylcyclohexylmethyl-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and ethoxyethene		170442-59-8	GADSL 2023 #176(PFAS)
Observation	Methanol, reaction products with 1,1,1,2,2,3,4,5,5,6,6,7,7,7-tetradecafluoro-3-heptene		1708962-18-8	GADSL 2023 #176(PFAS)
Observation	Methanol, reaction products with 1,1,1,2,3,4,4,5,5,6,6,7,7,7-tetradecafluoro-2-heptene		1708962-19-9	GADSL 2023 #176(PFAS)
Observation	Isoprene-Chlorotrifluoroethylene copolymer		172018-29-0	GADSL 2023 #176(PFAS)
Observation	Ammonium perfluorononanesulfonate		17202-41-4	GADSL 2023 #176(PFAS)
Observation	Tetrafluoroethylene-Formaldehyde copolymer		172074-62-3	GADSL 2023 #176(PFAS)
Observation	Chlorotrifluoroethylene-Vinylmethyldiethoxysilane copolymer		172074-63-4	GADSL 2023 #176(PFAS)
Observation	Vinyl chloride-2,2,3,3-Tetrafluoropropyl acrylate copolymer		172074-65-6	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propane sulfonic acid and 2,2,2-trifluoroethyl 2-propenoate		172083-53-3	GADSL 2023 #176(PFAS)
Observation	4-Heptadecafluorooctanesulfonamidobenzenesulfonic acid sodium salt		172398-80-0	GADSL 2023 #176(PFAS)
Observation	2-(Difluoromethylene)-4,4,5-trifluoro-5-(trifluoromethyl)-1,3-dioxolane		17256-52-9	GADSL 2023 #176(PFAS)
Observation	6-H-Perfluorohexanoic acid		1726-50-7	GADSL 2023 #176(PFAS)
Observation	Methyl 2,2,3,3,4,4-hexafluoro-4-iodobutanoate		17308-98-4	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-(ethyl((nonafluorobutyl)sulfonyl)amino)ethyl ester		17329-79-2	GADSL 2023 #176(PFAS)
Observation	Perfluoro-3,4-dimethylhexane		1735-48-4	GADSL 2023 #176(PFAS)
Observation	Perfluoroindane		1736-47-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	3-(1,1,2,2-Tetrafluoroethoxy)toluene		1737-10-6	GADSL 2023 #176(PFAS)
Observation	1,1,1,3,3,3-Hexafluoropropane-2,2-diamine		1737-80-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro(1,1,9,9-tetrahydro-2,5-bis(trifluoromethyl)-3,6-dioxa-8-nonen-1-ol)		174082-85-0	GADSL 2023 #176(PFAS)
Observation	174393-72-7 (name too long)		174393-72-7	GADSL 2023 #176(PFAS)
Observation	1,1,1,3,3,3-Hexafluoro-2-(trifluoromethyl)propan-2-yl 2-methylprop-2-enoate		17526-97-5	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrahydroperfluorobutyl acrylate		17527-31-0	GADSL 2023 #176(PFAS)
Observation	Benzene, 1,3-diisocyanatomethyl-, polymers with hydrolyzed Me esters of reduced polymd. oxidized tetrafluoroethylene		175449-31-7	GADSL 2023 #176(PFAS)
Observation	(Heptafluorobutanoyl)pivaloylmethane		17587-22-3	GADSL 2023 #176(PFAS)
Observation	1-Chloroheptafluorocyclopentene		1759-63-3	GADSL 2023 #176(PFAS)
Observation	Tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionate-O,O')europium		17631-68-4	GADSL 2023 #176(PFAS)
Observation	1H,1H-Heptafluorobutyl epoxide		1765-92-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro-N-[(trifluoromethyl)sulfonyl]butanesulfonamide sodium salt		176719-69-0	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, vinyl group-terminated, polymers with 4-bromo-3,3,4,4-tetrafluoro-1-butene, 1,1-difluoroethene, 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene		177473-71-1	GADSL 2023 #176(PFAS)
Observation	Propanenitrile, 2,3,3,3-tetrafluoro-2-[1,1,2,2,3,3-hexafluoro-3-[(trifluoroethenyl)oxy]propoxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		177484-43-4	GADSL 2023 #176(PFAS)
Observation	3-[(Perfluorooctane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium		178094-69-4	GADSL 2023 #176(PFAS)
Observation	3-[(Perfluoroheptane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt		178094-70-7	GADSL 2023 #176(PFAS)
Observation	3-[(Perfluoropentane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt		178094-72-9	GADSL 2023 #176(PFAS)
Observation	3-[(Perfluorobutane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt		178094-73-0	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	N,N-Dimethyl-3-{[(pentadecafluoroheptyl)sulfonyl]amino}-1-propanamine N-oxide		178094-74-1	GADSL 2023 #176(PFAS)
Observation	N,N-dimethyl-3-[(perfluoropentane-1-sulfonyl)amino]propan-1-amine N-oxide		178094-75-2	GADSL 2023 #176(PFAS)
Observation	3-[(Perfluorobutane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide		178094-76-3	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, Me hydrogen, Me 3,3,4,4,5,5,6,6,6-nonafluorohexyl		178233-65-3	GADSL 2023 #176(PFAS)
Observation	Erbium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato-βO3,βO5)-		17978-75-5	GADSL 2023 #176(PFAS)
Observation	Praseodymium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato-βO3,βO5)-		17978-77-7	GADSL 2023 #176(PFAS)
Observation	1H,1H,2H,2H-Perfluorohexyl methacrylate		1799-84-4	GADSL 2023 #176(PFAS)
Observation	1,6-Divinylperfluorohexane		1800-91-5	GADSL 2023 #176(PFAS)
Observation	Decafluoro-5-(trifluoromethyl)hexanoyl fluoride		18017-31-7	GADSL 2023 #176(PFAS)
Observation	Perfluoromethylcyclopentane		1805-22-7	GADSL 2023 #176(PFAS)
Observation	6:2 Fluorotelomer sulfonate barium salt		1807944-82-6	GADSL 2023 #176(PFAS)
Observation	Sodium tributyl(2-methoxypropyl)phosphanium 4,4'-(1,1,1,3,3,3-hexafluoropropane-2,2-diyl)diphenolate (1/1/1)		181531-28-2	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, C1-20-alkyl esters, polymers with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		182700-81-8	GADSL 2023 #176(PFAS)
Observation	2-Butenedioic acid (Z)-, di-C1-20-alkyl esters, polymer with acrylamide N-[(C1-10-alkyloxy)methyl]derivs.,.alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl] poly (difluoromethylene) and vinylchloride		182700-82-9	GADSL 2023 #176(PFAS)
Observation	2-Butenedioic acid (Z)-, di-C1-20-alkyl esters, polymer with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl acrylate and vinyl chloride		182700-83-0	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, C1-20-alkyl esters, polymers with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and polyethylene-polypropylene glycol monoacrylate		182700-84-1	GADSL 2023 #176(PFAS)
Observation	2-Propenamide, N-[(C1-20-alkyloxy)methyl]derivs., polymers with acryonitrile,.alpha.-fluoro-.omega.-[2-[(1-oxo-propenyl)oxy]ethyl] poly(difluoromethylene) and polyethylene-polypropylene glycol acrylate C1-20-alkyl ethers		182700-85-2	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-, reaction products with benzene-chlorine-sulfur chloride (S2Cl2) reaction products chlorides		182700-90-9	GADSL 2023 #176(PFAS)
Observation	Ytterbium(3+) tris[(3Z)-6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-5-oxo-3-octen-3-olate]		18323-96-1	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoyl fluoride, polymer with trifluoro(trifluoromethyl)oxirane reaction products with 3-(ethenyldimethylsilyl), N-methylbenzeneamine		185701-88-6	GADSL 2023 #176(PFAS)
Observation	(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)silanetriol		185911-29-9	GADSL 2023 #176(PFAS)
Observation	1,4-Dibromo-1,1,2,2-tetrafluorobutane		18599-20-7	GADSL 2023 #176(PFAS)
Observation	2-Vinyl(1-bromoperfluoroethane)		18599-22-9	GADSL 2023 #176(PFAS)
Observation	N,N,N',N',N'',N''-Hexamethyl-1-(1,1,2,2,3,3,6,6,6-nonafluorohexyl)silanetriamine		186599-46-2	GADSL 2023 #176(PFAS)
Observation	Ammonium hexadecafluorononanoate		1868-86-6	GADSL 2023 #176(PFAS)
Observation	Ethyl N-ethyl-N-((heptadecafluorooctyl)sulfonyl)glycinate		1869-77-8	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 2-propenoic acid and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate, sodium salt		1878204-24-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro-N-(perfluoroethyl)sulfonylethanesulfonamide compd. with N,N-diethylethanamine (1:1)		188596-18-1	GADSL 2023 #176(PFAS)
Observation	1,3,3,4,4,5,5-Heptafluoro-Cyclopentene		1892-03-1	GADSL 2023 #176(PFAS)
Observation	N-ethylsulfonylglycine, perfluoroalkyl (C5-10), potassium salt		190605-64-2	GADSL 2023 #176(PFAS)
Observation	3-(Heptafluoroisopropoxy)propyltrimethoxysilane		19116-61-1	GADSL 2023 #176(PFAS)
Observation	Methyl 4-trifluoroethenoxy-2,2,3,3,4,4-hexafluorobutanoate		19190-61-5	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,5,5-Octafluoro-5-[(trifluoroethenyl)oxy]pentanenitrile		19237-73-1	GADSL 2023 #176(PFAS)
Observation	1-Propanol, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-[(1,1,2-trifluoro-2-propen-1-yl)oxy]propoxy]-, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[(1,2,2-trifluoroethenyl)oxy]propane and 1,1,2,2-tetrafluoroethene		192575-94-3	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,6,6,6-Nonafluorohexene		19430-93-4	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Bis(4-tert-butylphenyl)iodanium nonafluorobutane-1-sulfonate		194999-85-4	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(methyl-1,2-ethanediyl)], α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxy-, polymer with α-fluoro-ω-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl) (9CI)		195158-89-5	GADSL 2023 #176(PFAS)
Observation	2-[(Bicyclo[2.2.1]hept-5-en-2-yl)methyl]-1,1,1,3,3,3-hexafluoropropan-2-ol		196314-61-1	GADSL 2023 #176(PFAS)
Observation	2,2'-(1,4-Phenylene)bis(hexafluoropropan-2-ol)		1992-15-0	GADSL 2023 #176(PFAS)
Observation	Diphosphoric acid, polymers with ethoxylated reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		200013-65-6	GADSL 2023 #176(PFAS)
Observation	Dichloro-3-(perfluoro-2-propoxy)propylmethylsilane		20006-68-2	GADSL 2023 #176(PFAS)
Observation	200358-70-9 (name too long)		200358-70-9	GADSL 2023 #176(PFAS)
Observation	4-Methyl-alpha,alpha-bis(trifluoromethyl)benzenemethanol		2010-61-9	GADSL 2023 #176(PFAS)
Observation	Sodium perfluoroheptanoate		20109-59-5	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,6,6-Octafluoro-6-iodohex-1-ene		203929-12-8	GADSL 2023 #176(PFAS)
Observation	4:2 Fluorotelomer alcohol		2043-47-2	GADSL 2023 #176(PFAS)
Observation	1H,1H,2H,2H-Perfluorohexyl iodide		2043-55-2	GADSL 2023 #176(PFAS)
Observation	4,5-Dichloro-1,1,1,3,3,4,5,5-octafluoropentan-2-one		20474-89-9	GADSL 2023 #176(PFAS)
Observation	2,2,3,3-Tetrafluoropropionamide		2069-86-5	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]-, polymer with 1,1-dichlorethene		207004-58-8	GADSL 2023 #176(PFAS)
Observation	Perfluoro-4-methyl-2-pentene		2070-70-4	GADSL 2023 #176(PFAS)
Observation	(1-Propanamine, 2-(trimethoxysilyl)-, reaction products with reduced methanol-peroxidized poly(tetrafluoroethylene)		207574-77-4	GADSL 2023 #176(PFAS)
Observation			207691-69-8	GADSL 2023 #176(PFAS)
Observation	Oxirane, methyl-, polymer with oxirane, mono(4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluoro-1-methyl undecyl)ether		208721-05-5	GADSL 2023 #176(PFAS)
Observation	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, ion(1-), 1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium		209482-18-8	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1-(1,3-Dimethylbutoxy)-2-(perfluorohexyl)ethane		210896-25-6	GADSL 2023 #176(PFAS)
Observation	Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-[(trifluoroethenyl) oxy]-, sodium salt, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]propane and tetrafluoroethene		211697-45-9	GADSL 2023 #176(PFAS)
Observation	Fatty acids, C7-19, perfluoro, ammonium salts		212013-54-2	GADSL 2023 #176(PFAS)
Observation	212013-59-7 (name too long)		212013-59-7	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, reaction products with N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonamide		212335-64-3	GADSL 2023 #176(PFAS)
Observation	1,2,2,2-Tetrafluoroethanesulfonyl fluoride		2127-74-4	GADSL 2023 #176(PFAS)
Observation	Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer		213188-00-2	GADSL 2023 #176(PFAS)
Observation	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)		213740-80-8	GADSL 2023 #176(PFAS)
Observation	Hexafluoroisopropyl acrylate		2160-89-6	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylhexyl-2-propenoate, 2-[(heptadecafluorooctyl)sulfonyl]propylamino]ethyl-2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		218448-95-4	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-ethylhexyl ester, polymer with 2-[[(heptadecafluorooctyl)sulfonyl]propylamino]ethyl, 2-propenoate and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl)		218448-99-8	GADSL 2023 #176(PFAS)
Observation	Dimethyl 2-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-1,3-propanedioate		220075-01-4	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, telomer with chlorotrifluoroethene, oxidized, reduced, Et ester, hydrolyzed		220182-27-4	GADSL 2023 #176(PFAS)
Observation	1-Octadecanamine, reaction products with Et esters of reduced polymd. oxidized tetrafluoroethylene		220207-10-3	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Octadecafluoro-1,9-diiodononane		22116-95-6	GADSL 2023 #176(PFAS)
Observation	Sodium perfluorobutanoate		2218-54-4	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-(2,3,4,5,6-pentafluorophenoxy)-propanoyl fluoride		22304-57-0	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1-Propanamine, 3-(triethoxysilyl)-, reaction products with Et esters of reduced polymd. oxidized poly(tetrafluoroethylene)		223557-70-8	GADSL 2023 #176(PFAS)
Observation	N,N',N''-(Phosphinylidynetris(oxyethane-2,1-diyl))tris(N-ethylheptadecafluorooctane-1-sulphonamide)		2250-98-8	GADSL 2023 #176(PFAS)
Observation	1,2,3,3,3-Pentafluoropropene		2252-83-7	GADSL 2023 #176(PFAS)
Observation	N-Butylheptadecafluoro-N-(2-hydroxyethyl)octanesulphonamide		2263-09-4	GADSL 2023 #176(PFAS)
Observation	1H,1H,6H,6H-Perfluorohexane-1,6-diol diacrylate		2264-01-9	GADSL 2023 #176(PFAS)
Observation	1,3-Bis[4-(ethenyloxy)butyl] 2-(perfluorohexyl)ethylpropanedioate		226409-30-9	GADSL 2023 #176(PFAS)
Observation	N-Propylperfluorooctanesulfonamide		2266-83-3	GADSL 2023 #176(PFAS)
Observation	Ammonium 2,2,3,3,4,4,5,5-octafluorovalerate		22715-45-3	GADSL 2023 #176(PFAS)
Observation	Sodium 2,2,3,3-tetrafluoropropionate		22898-01-7	GADSL 2023 #176(PFAS)
Observation	Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate		2353-52-8	GADSL 2023 #176(PFAS)
Observation	Perfluorooctylsulfonylpropylaminoethyl acrylate		2357-60-0	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, butyl ester, polymer with ethenyl chloroacetate, ethyl 2-propenoate, 2,2,3,3,4,4,5,5-octafluoropentyl 2-propenoate and 2,2,3,3-tetrafluoropropyl 2-propenoate (9CI)		235775-84-5	GADSL 2023 #176(PFAS)
Observation	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-methylaniline		238098-26-5	GADSL 2023 #176(PFAS)
Observation	241148-23-2 (name too long)		241148-23-2	GADSL 2023 #176(PFAS)
Observation	Tris(4-tert-butylphenyl)sulfonium perfluorobutanesulfonate		241806-75-7	GADSL 2023 #176(PFAS)
Observation	Pentadecafluoro-2-iodoheptane		24394-25-0	GADSL 2023 #176(PFAS)
Observation	Heptafluoropropan-2-ol		24427-67-6	GADSL 2023 #176(PFAS)
Observation	N-Methyl-N-(2-hydroxyethyl)perfluorooctanesulfonamide		24448-09-7	GADSL 2023 #176(PFAS)
Observation	3-chloro-2,2,3,3-tetrafluoropropanoyl chloride		24503-62-6	GADSL 2023 #176(PFAS)
Observation	Pentafluoro(1,2,2-trifluoro-2-((trifluorovinyl)oxy)-1-(trifluoromethyl)ethoxy)benzene		24520-19-2	GADSL 2023 #176(PFAS)
Observation	Polyvinyl fluoride		24981-14-4	GADSL 2023 #176(PFAS)
Observation	Fomblin Y 04		25038-02-2	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Poly(ethylene-tetrafluoroethylene)		25038-71-5	GADSL 2023 #176(PFAS)
Observation	Ethene, 1-chloro-1,2,2-trifluoro-, polymer with 1,1,2,2-tetrafluoroethene		25038-89-5	GADSL 2023 #176(PFAS)
Observation	Hexafluoropropene tetrafluoroethylene polymer		25067-11-2	GADSL 2023 #176(PFAS)
Observation	Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, dipotassium salt		25088-69-1	GADSL 2023 #176(PFAS)
Observation	Vinyl fluoride-Vinylidene fluoride-Chlorotrifluoroethylene copolymer		25101-38-6	GADSL 2023 #176(PFAS)
Observation	Chlorotrifluoroethylene-ethylene polymer		25101-45-5	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1-chloro-1,2,2-trifluoroethene and 1,1-difluoroethene		25101-47-7	GADSL 2023 #176(PFAS)
Observation	1-Butanol, 4-(ethenyloxy)-, polymer with 1,1,2,2-tetrafluoroethene		25120-52-9	GADSL 2023 #176(PFAS)
Observation	Vinyl fluoride-Hexafluoropropylene copolymer		25120-58-5	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		25190-89-0	GADSL 2023 #176(PFAS)
Observation	N-Methylperfluorooctanesulfonamidoethyl acrylate		25268-77-3	GADSL 2023 #176(PFAS)
Observation	Propane, 1,1,2,2,3,3-hexafluoro-1-[(trifluoroethenyl)oxy]-3-(trifluoromethoxy)-, polymer with 1,1-difluoroethene and tetrafluoroethene		252846-11-0	GADSL 2023 #176(PFAS)
Observation	Pentafluoroiodoethane-tetrafluoroethylene telomer		25398-32-7	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,1-difluoroethene		25684-76-8	GADSL 2023 #176(PFAS)
Observation	Isobutylene-Tetrafluoroethylene copolymer		25684-89-3	GADSL 2023 #176(PFAS)
Observation	Perfluoro(2-(2-phenoxypropoxy)propanoyl) fluoride		25711-77-7	GADSL 2023 #176(PFAS)
Observation	(Perfluorocyclohexyl)methyl methacrylate		25965-83-7	GADSL 2023 #176(PFAS)
Observation	Methanol, telomer with 1,1,2,2-tetrafluoroethene		25971-78-2	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,3-Heptafluoro-3-{[1,1,1,2,3,3-hexafluoro-3-({1,1,1,2,3,3-hexafluoro-3-[(trifluoroethenyl)oxy]propan-2-yl}oxy)propan-2-yl]oxy}propane		2599-84-0	GADSL 2023 #176(PFAS)
Observation	Polymer of tetrafluoroethylene-vinylacetate		26299-59-2	GADSL 2023 #176(PFAS)
Observation	Hexafluoropropene oxide trimer		2641-34-1	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,2,2-trifluoro-2-(trifluoromethoxy)ethene		26425-79-6	GADSL 2023 #176(PFAS)
Observation	2-(Perfluoropropoxy)-1H,1H-perfluoropropanol		26537-88-2	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, esters, 2-methyl-, 2-ethylhexyl ester, polymer with 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl 2-propenoate		26570-69-4	GADSL 2023 #176(PFAS)
Observation	Oxirane, 2,2,3,3-tetrafluoro-, homopolymer		26591-06-0	GADSL 2023 #176(PFAS)
Observation	Decafluorobis(trifluoromethyl)cyclohexane		26637-68-3	GADSL 2023 #176(PFAS)
Observation	Tetrafluoroethylene-perfluoro(sulfinoethoxypropoxytrifluoroethylene) copolymer		26654-97-7	GADSL 2023 #176(PFAS)
Observation	Perfluoro-3-[(trifluoroethenyl)oxy]propane, polymer with tetrafluoroethene		26655-00-5	GADSL 2023 #176(PFAS)
Observation	Benzene, pentafluoro[1,2,2-trifluoro-2-[(trifluoroethenyl)oxy]-1-(trifluoromethyl)ethoxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		26658-70-8	GADSL 2023 #176(PFAS)
Observation	2-(4H-Perfluorobutyl)-2-propanol		2673-15-6	GADSL 2023 #176(PFAS)
Observation	Fluoroether E4		26738-51-2	GADSL 2023 #176(PFAS)
Observation	Propanoic acid, ethenyl ester, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		26779-98-6	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,4,4,5,5,5-Undecafluoro-3-(1,1,2,2,2-pentafluoroethyl)pentane		2690-05-3	GADSL 2023 #176(PFAS)
Observation	1-Propene, polymer with 1,1,2,2-tetrafluoroethene		27029-05-6	GADSL 2023 #176(PFAS)
Observation	Sodium perfluoropentanoate		2706-89-0	GADSL 2023 #176(PFAS)
Observation	Perfluoropentanoic acid		2706-90-3	GADSL 2023 #176(PFAS)
Observation	Perfluoropentanesulfonic acid		2706-91-4	GADSL 2023 #176(PFAS)
Observation	2H-Perfluorofluoro-5,8,11,14,17,20,23-heptamethyl-3,6,9,12,15,18,21,24-octaoxaheptacosane		27120-63-4	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,4-Heptafluoro-N-(2-hydroxy-4-nitrophenyl)butyramide		2712-83-6	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, 3-[[2-[(2-aminoethyl)amino]ethyl]amino]propyl hydroxy, hydroxy 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl, hydroxy-terminated, formates (salts)		273737-91-0	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C3 fraction		274917-93-0	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C4 fraction		274917-94-1	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C5 fraction		274917-95-2	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C6 fraction		274917-96-3	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C7 fraction		274917-97-4	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C8 fraction		274918-01-3	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C9 fraction		274918-02-4	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C10 fraction		274918-03-5	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C11 fraction		274918-09-1	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C12 fraction		274918-10-4	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C13 fraction		274918-12-6	GADSL 2023 #176(PFAS)
Observation	2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,17,18,18,18-Icosafluoro-2,5,8,11,14-pentakis(trifluoromethyl)-3,6,9,12,15-pentaoxaoctadecan-1-ol		27617-34-1	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,6,6,6-Nonafluorohexane-1-sulphonyl chloride		27619-88-1	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoyl fluoride		27639-98-1	GADSL 2023 #176(PFAS)
Observation	1,1-Dichloro-2,3,3,3-tetrafluoroprop-1-ene		2804-55-9	GADSL 2023 #176(PFAS)
Observation	Potassium perfluorodecanesulfonate		2806-16-8	GADSL 2023 #176(PFAS)
Observation	4-(1,1,2,2-Tetrafluoroethoxy)nitrobenzene		28202-32-6	GADSL 2023 #176(PFAS)
Observation	Bis(3,5,6-trichloro-2,2,3,4,4,5,6,6-octafluoro-1-oxohexyl)peroxide		28285-49-6	GADSL 2023 #176(PFAS)
Observation	Perfluoro-6-(1,2-dibromoethoxy)hexanenitrile		283593-02-2	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Vinyl chloride-1,1,5-Trihydroperfluoroamyl acrylate copolymer		28497-93-0	GADSL 2023 #176(PFAS)
Observation	1,1,3-Trihydroperfluoropropyl acrylate-Styrene copolymer		28501-21-5	GADSL 2023 #176(PFAS)
Observation	S-((Perfluoro-7-(methyl)octyl)ethyl) thiomethacrylate		28506-33-4	GADSL 2023 #176(PFAS)
Observation	Sevoflurane		28523-86-6	GADSL 2023 #176(PFAS)
Observation	Perfluorodimethylcyclobutane		28677-00-1	GADSL 2023 #176(PFAS)
Observation	(Perfluorocyclohexyl)methanol		28788-68-3	GADSL 2023 #176(PFAS)
Observation	Propane, 1,1,1,2,2,3,3-heptafluoro-3-[(1,2,2-trifluoroethenyl)oxy]-, polymer with ethene and 1,1,2,2-tetrafluoroethene		29087-71-6	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		29117-08-6	GADSL 2023 #176(PFAS)
Observation	2-[2,4-Bis(1,1-dimethylpropyl)phenoxy]-N-[4-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-3-hydroxyphenyl]-Hexanamide		2923-93-5	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-(trifluoromethoxy)propionyl fluoride		2927-83-5	GADSL 2023 #176(PFAS)
Observation	Perfluorononanesulfonate potassium		29359-39-5	GADSL 2023 #176(PFAS)
Observation	N-(4-(1,1,1,3,3,3-Hexafluoro-2-hydroxy-propan-2-yl)phenyl)-N-(2,2,2-trifluoroethyl)benzenesulfonamide		293754-55-9	GADSL 2023 #176(PFAS)
Observation	Perfluoro(3-oxapent-4-ene)sulfonyl fluoride		29514-94-1	GADSL 2023 #176(PFAS)
Observation	2-Methyl-3,3,4,4-tetrafluoro-2-butanol		29553-26-2	GADSL 2023 #176(PFAS)
Observation	Bis(2-{ethyl[(perfluorooctyl)sulfonyl]amino}ethyl) hydrogen phosphate		2965-52-8	GADSL 2023 #176(PFAS)
Observation	Polymer(ethylene/tetrafluoroethylene/propylene)		29697-44-7	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, 3-aminopropyl ethoxy, ethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl), polymers with 3-aminopropyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silsesquioxanes, hydrolyzed, formates (salts)		297175-70-3	GADSL 2023 #176(PFAS)
Observation	Copper, [C,C,C,C-tetrakis(pentadecafluoroheptyl)-29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-		29763-53-9	GADSL 2023 #176(PFAS)
Observation	3-Ethoxyperfluoro(2-methylhexane)		297730-93-9	GADSL 2023 #176(PFAS)
Observation	Perfluoroeicosyl iodide		29809-34-5	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluorooctadecyl iodide		29809-35-6	GADSL 2023 #176(PFAS)
Observation	Vinyl 1H,1H,3H-perfluoropropyl ether		29819-80-5	GADSL 2023 #176(PFAS)
Observation	2-(N-Ethylperfluorooctanesulfonamido)acetic acid		2991-50-6	GADSL 2023 #176(PFAS)
Observation	Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate		2991-52-8	GADSL 2023 #176(PFAS)
Observation	(6H-Perfluorohexyl)methyl acrylate		2993-85-3	GADSL 2023 #176(PFAS)
Observation	Perfluoro-1,2-dimethylcyclobutane		2994-71-0	GADSL 2023 #176(PFAS)
Observation	1,2-Benzenedicarboxylic acid, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-		3016-76-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,7-dimethyloctane		3021-63-4	GADSL 2023 #176(PFAS)
Observation	[3-(Heptadecafluorooctylsulfonylamino)propyl]dimethylamine N-oxide		30295-51-3	GADSL 2023 #176(PFAS)
Observation	Perfluoro-3-ethyl-2,4-dimethyl-2-pentene		30320-26-4	GADSL 2023 #176(PFAS)
Observation	Perfluoro(3-isopropyl-4-methyl-2-pentene)		30320-27-5	GADSL 2023 #176(PFAS)
Observation	Perfluorobutanesulfonamide		30334-69-1	GADSL 2023 #176(PFAS)
Observation	Potassium perfluoroundecanoate		30377-53-8	GADSL 2023 #176(PFAS)
Observation	Ammonium bis(N-ethyl-2-perfluorooctylsulfonaminoethyl)phosphate		30381-98-7	GADSL 2023 #176(PFAS)
Observation	Copolymer of 1,1-difluoroethylene-perfluoroethylene-chlorotrifluoroethylene (a number-average molecular weight is not less than 1,000 and polymer is insoluble in water, fat-soluble solvent, usual solvent, acid and alkali)		30421-59-1	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctylamine		30556-86-6	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2,2,2-trifluoro-1-(trifluoromethyl)ethyl ester		3063-94-3	GADSL 2023 #176(PFAS)
Observation	Perfluorotetradecahydrophenanthrene		306-91-2	GADSL 2023 #176(PFAS)
Observation	1-(Trifluoromethyl)perfluorodecalin		306-92-3	GADSL 2023 #176(PFAS)
Observation	Perflunafene		306-94-5	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2-methyldecalin		306-95-6	GADSL 2023 #176(PFAS)
Observation	Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid (TSCA)		306973-44-4	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2-Methyl(nonafluorobutyl)sulfonylaminoethyl 2-propenoate telomer with 2-mercaptoethanol		306997-46-6	GADSL 2023 #176(PFAS)
Observation	Perfluoroperhydrofluorene		307-08-4	GADSL 2023 #176(PFAS)
Observation	1-chloro-1,1,2,2,3,3,4,4,5,5,6,6-dodecafluorohexane		307-22-2	GADSL 2023 #176(PFAS)
Observation	1-Chloroheptadecafluorooctane		307-33-5	GADSL 2023 #176(PFAS)
Observation	Perfluorodecane		307-45-9	GADSL 2023 #176(PFAS)
Observation	Perfluoroundecane		307-49-3	GADSL 2023 #176(PFAS)
Observation	Perfluorodecanesulphonyl fluoride		307-51-7	GADSL 2023 #176(PFAS)
Observation	Perfluorododecane		307-59-5	GADSL 2023 #176(PFAS)
Observation	Perfluorotetradecane		307-62-0	GADSL 2023 #176(PFAS)
Observation	1H,1H,11H-Eicosafluoro-1-undecanol		307-70-0	GADSL 2023 #176(PFAS)
Observation	Perfluorodecanedioic acid		307-78-8	GADSL 2023 #176(PFAS)
Observation	2-Propanol, 1-[4-(1-methylpropyl)phenoxy]-3-(2,2,3,3-tetrafluoropropoxy)-		308362-88-1	GADSL 2023 #176(PFAS)
Observation	N,N-Diethyl-2H-perfluoropropanamine		309-88-6	GADSL 2023 #176(PFAS)
Observation	Potassium perfluorocyclohexyl sulfonate		3107-18-4	GADSL 2023 #176(PFAS)
Observation	Disodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl phosphate		3107-32-2	GADSL 2023 #176(PFAS)
Observation	Perfluoro-3,6-dioxa-4-methyl-7-octenesulfonic acid-tetrafluoroethylene polymer		31175-20-9	GADSL 2023 #176(PFAS)
Observation	Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-[1,2,2-trifluoro-2-[(trifluoroethenyl)oxy]-1-(trifluomethyl)ethoxyl]-, sodium salt, polymer with tetrafluoroethene		31176-88-2	GADSL 2023 #176(PFAS)
Observation	Perfluorotributylamine		311-89-7	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl ester, homopolymer		31214-91-2	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrafluoro-3-(trimethylsilyl)-cyclobutane		312-81-2	GADSL 2023 #176(PFAS)
Observation	N-Methylperfluorooctanesulfonamide		31506-32-8	GADSL 2023 #176(PFAS)
Observation	N-Butylperfluorooctane-1-sulfonamide		31506-34-0	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Tetrafluoroethene polymer with trifluoro(pentaflurorethoxy)ethene		31784-04-0	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, telomer with 2,2-dichloro-1,1,1-trifluoroethane and 1,1-difluoroethene (9CI)		321657-92-5	GADSL 2023 #176(PFAS)
Observation	Bis(2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoyl) peroxide		32687-76-6	GADSL 2023 #176(PFAS)
Observation	(1,1,1,3,3,3-Hexafluoropropane-2,2-diyl)di(4,1-phenylene) dicyanate		32728-27-1	GADSL 2023 #176(PFAS)
Observation	Vinyl fluoride-Vinylidene fluoride-Tetrafluoroethylene copolymer		32802-40-7	GADSL 2023 #176(PFAS)
Observation	1,2-Propanediol, 3-(diethylamino)-, polymers with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, propylene glycol and reduced Me esters of reduced polymd. oxidized tetrafluoroethylene, 2-ethyl-1-hexanol-blocked, acetates (salts)		328389-90-8	GADSL 2023 #176(PFAS)
Observation	Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymers with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and reduced Me esters of reduced polymd. oxidized tetrafluoroethylene, compds. with triethylamine		328389-91-9	GADSL 2023 #176(PFAS)
Observation	328390-05-2 (name too long)		328390-05-2	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(methyl-1,2-ethanediyl)], α-hydro-ω-hydroxy-, polymer with 1,3-diisocyanatomethylbenzene, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-N-propyl-1-octanesulfonamide- and polypropylene glycol mono-Bu ether-blocked		330678-54-1	GADSL 2023 #176(PFAS)
Observation	Tributyl(2-methoxypropyl)phosphonium methyl((nonafluorobutyl)sulfonyl)azanide		332350-90-0	GADSL 2023 #176(PFAS)
Observation	Phosphonium, triphenyl(phenylmethyl)-, salt with 1,1,2,2,3,3,4,4,4-nonafluoro-N-methyl-1-butanesulfonamide (1:1)		332350-93-3	GADSL 2023 #176(PFAS)
Observation	N-Methyl-1-butanesulfonamide, 1,1,2,2,3,3,4,4,4-nonafluoro-, salts with benzene-chlorine-sulfurchloride reaction products		332912-47-7	GADSL 2023 #176(PFAS)
Observation	2H-Perfluoro-5-methyl-3,6-dioxanonane		3330-14-1	GADSL 2023 #176(PFAS)
Observation	Perfluoro-3-(1H-perfluoroethoxy)propane		3330-15-2	GADSL 2023 #176(PFAS)
Observation	2H-Perfluoro(5,8-dimethyl-3,6,9-trioxadodecane)		3330-16-3	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,3-dimethylpentane		335-14-8	GADSL 2023 #176(PFAS)
Observation	Perfluoroethylcyclohexane		335-21-7	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluoro-1,3-diethylcyclohexane		335-23-9	GADSL 2023 #176(PFAS)
Observation	Perfluoro-1,3-dimethylcyclohexane		335-27-3	GADSL 2023 #176(PFAS)
Observation	Perfluorobutanoyl fluoride		335-42-2	GADSL 2023 #176(PFAS)
Observation	2,2,3-Trichloroheptafluorobutane		335-44-4	GADSL 2023 #176(PFAS)
Observation	1-Iodopentadecafluoroheptane		335-58-0	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl ester, polymer with α-(1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl) and 2-propenoic acid, graft (9CI)		335593-06-1	GADSL 2023 #176(PFAS)
Observation	1,8-Diiodoperfluorooctane		335-70-6	GADSL 2023 #176(PFAS)
Observation	Perfluoroheptanesulphonyl fluoride		335-71-7	GADSL 2023 #176(PFAS)
Observation	1H,1H,7H-Dodecafluoro-1-heptanol		335-99-9	GADSL 2023 #176(PFAS)
Observation	Perfluorohexanedioic acid		336-08-3	GADSL 2023 #176(PFAS)
Observation	Perfluorobutanoic anhydride		336-59-4	GADSL 2023 #176(PFAS)
Observation	Bis(perfluorobutyryl)peroxide		336-64-1	GADSL 2023 #176(PFAS)
Observation	1-Ethoxy-2,2,3,3,3-pentafluoro-1-Propanol		337-28-0	GADSL 2023 #176(PFAS)
Observation	3,3,4,4-Tetrafluoro-4-iodo-1-butene		33831-83-3	GADSL 2023 #176(PFAS)
Observation	Perfluamine		338-83-0	GADSL 2023 #176(PFAS)
Observation	Fluorocarbon FC 70		338-84-1	GADSL 2023 #176(PFAS)
Observation	4-(2,2,3,3-Tetrafluoropropyl)morpholine		343331-58-8	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrahydroperfluorohexadecyl acrylate		34362-49-7	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrahydroperfluorotetradecyl acrylate		34395-24-9	GADSL 2023 #176(PFAS)
Observation	N-Ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)butane-1-sulphonamide		34449-89-3	GADSL 2023 #176(PFAS)
Observation	Perfluorobutane-1-sulfonamidoethanol		34454-99-4	GADSL 2023 #176(PFAS)
Observation	N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide		34455-00-0	GADSL 2023 #176(PFAS)
Observation	8:3 Fluorotelomer carboxylic acid		34598-33-9	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	4'-[2-(2,4-Di-tert-pentylphenoxy)butyramido]perfluoro-2'-hydroxybutyranilide		346-10-1	GADSL 2023 #176(PFAS)
Observation	Perfluorobutane-1-sulfinic acid		34642-43-8	GADSL 2023 #176(PFAS)
Observation	Europium tri[3-(heptafluoropropylhydroxymethylene)]-(+)-camphorate		34788-82-4	GADSL 2023 #176(PFAS)
Observation	1,1,1-Trifluoro-2-(trifluoromethyl)pentane-2,4-diol		34844-48-9	GADSL 2023 #176(PFAS)
Observation	Methanol, reaction products fluorinated 2,2,3,3-tetrafluorooxetane homopolymer-iodine reaction products-trichloroethenylsilane polymer		349660-50-0	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, polymer with butyl-2-propenoate, 2-propenoic acid, 2-hydroxyethyl ester and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-2-propenoate		350672-19-4	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, polymer with butyl-2-propenoate, 2-hydroxyethyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-2-propenoate, compd. with 2-(dimethylamino)ethanol		350672-20-7	GADSL 2023 #176(PFAS)
Observation	3-(1,1,2,2-Tetrafluoroethoxy)-benzaldehyde		35295-35-3	GADSL 2023 #176(PFAS)
Observation	4-(1,1,2,2-Tetrafluoroethoxy)-benzaldehyde		35295-36-4	GADSL 2023 #176(PFAS)
Observation	Propane, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]-, polymer with chlorotrifluoroethene and ethene		35397-13-8	GADSL 2023 #176(PFAS)
Observation	Perfluoroacetyl fluoride		354-34-7	GADSL 2023 #176(PFAS)
Observation	Pentafluoroiodoethane		354-64-3	GADSL 2023 #176(PFAS)
Observation	1,2-Diiodotetrafluoroethane		354-65-4	GADSL 2023 #176(PFAS)
Observation	(Perfluoroethyl)methyl iodide		354-69-8	GADSL 2023 #176(PFAS)
Observation	Pentafluoropropionamide		354-76-7	GADSL 2023 #176(PFAS)
Observation	Trichloro(1,1,2,2-tetrafluoroethyl)silane		354-83-6	GADSL 2023 #176(PFAS)
Observation	Pentafluoro ethanesulfonyl fluoride		354-87-0	GADSL 2023 #176(PFAS)
Observation	Perfluoroethanesulfonic acid		354-88-1	GADSL 2023 #176(PFAS)
Observation	Perflisobutane		354-92-7	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,3-dimethylbutane		354-96-1	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2-methyl-3-ethylpentane		354-97-2	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Hexane, 1,6-diisocyanato-, homopolymer, 1,1,2,2,3,3,4,4,4,-nonafluoro-N-(2-hydroxyethyl)-N-methyl-1-butanesulfonamide- and stearyl alcohol-blocked		355009-66-4	GADSL 2023 #176(PFAS)
Observation	Perfluoromethylcyclohexane		355-02-2	GADSL 2023 #176(PFAS)
Observation	Perfluoroisohexane		355-04-4	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,5-Heptafluoropent-1-ene		355-08-8	GADSL 2023 #176(PFAS)
Observation	2,3-Dichlorooctafluorobutane		355-20-4	GADSL 2023 #176(PFAS)
Observation	1,4-Dichloro-1,1,2,2,3,3,4,4-octafluorobutane		355-24-8	GADSL 2023 #176(PFAS)
Observation	1H,1H-Perfluoro-1-pentanol		355-28-2	GADSL 2023 #176(PFAS)
Observation	1H-Perfluorohexane		355-37-3	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,3,4,4,5,6,6,6-Tridecafluoro-5-iodohexane		355-44-2	GADSL 2023 #176(PFAS)
Observation	Perfluorohexadecyl iodide		355-50-0	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		35560-16-8	GADSL 2023 #176(PFAS)
Observation	1H,1H,6H,6H-Perfluoro-1,6-hexanediol		355-74-8	GADSL 2023 #176(PFAS)
Observation	1H,1H,5H-Perfluoropentanol		355-80-6	GADSL 2023 #176(PFAS)
Observation	1H,1H,5H-Perfluoropentyl methacrylate		355-93-1	GADSL 2023 #176(PFAS)
Observation	1,3-Dichloro-1,2,2,3,4,4-hexafluoro-cyclobutane		356-19-4	GADSL 2023 #176(PFAS)
Observation	Methyl perfluorobutanoate		356-24-1	GADSL 2023 #176(PFAS)
Observation	Heptafluorobutyraldehyde ethyl hemiacetal		356-26-3	GADSL 2023 #176(PFAS)
Observation	Ethyl perfluorobutanoate		356-27-4	GADSL 2023 #176(PFAS)
Observation	1,1,2,3,3,4,4,5,6,6-Decafluorohexa-1,5-diene		356-35-4	GADSL 2023 #176(PFAS)
Observation	Pentafluoropropanoic anhydride		356-42-3	GADSL 2023 #176(PFAS)
Observation	Bis(pentafluoropropionyl) peroxide		356-45-6	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2-methyloxane		356-47-8	GADSL 2023 #176(PFAS)
Observation	Perfluoro-5-(pentafluoroethyl)oxolane		356-48-9	GADSL 2023 #176(PFAS)
Observation	1H,1H-Perfluoropropyl acrylate		356-86-5	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Hexane, 1,6-diisocyanato-, homopolymer, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol-blocked		357624-15-8	GADSL 2023 #176(PFAS)
Observation	1,3,3,3-Tetrafluoro-1-methoxy-2-(trifluoromethyl)-1-propene		360-53-2	GADSL 2023 #176(PFAS)
Observation	Methyl 3,3,3-trifluoro-2-(trifluoromethyl)propionate		360-54-3	GADSL 2023 #176(PFAS)
Observation	Perfluorobut-2-ene		360-89-4	GADSL 2023 #176(PFAS)
Observation	1H,1H,3H-Perfluorobutyl 2-methylacrylate		36405-47-7	GADSL 2023 #176(PFAS)
Observation	Ammonium perfluoro(7-methyloctanoate)		3658-62-6	GADSL 2023 #176(PFAS)
Observation	3,3-Bis(trifluoromethyl)perfluoropentane		36591-89-6	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, oxidized, polymd., reduced, hydrolyzed, reaction products with ammonia		370097-12-4	GADSL 2023 #176(PFAS)
Observation	Ethanol, 2,2',2''-nitrilotris-, compds. with hydrolyzed reduced polymd. oxidized 1,1,2,3,3,3-hexafluoro-1-propene		370097-18-0	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoroocty ester, polymer with .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		370100-90-6	GADSL 2023 #176(PFAS)
Observation	7:2 Fluorotelomer dihydrogen phosphate		37013-72-2	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with methyloxirane polymer with oxiranemono-2-propenoate, tert- Bu 2-ethylhexaneperoxoate-initiated		370873-97-5	GADSL 2023 #176(PFAS)
Observation	2-Pentene, 1,1,1,2,3,4,5,5,5-nonafluoro-4-(trifluoromethyl)-, (Z)-		3709-70-4	GADSL 2023 #176(PFAS)
Observation	(E)-Perfluoro(4-methyl-2-pentene)		3709-71-5	GADSL 2023 #176(PFAS)
Observation	N-(2-Methylsulfinyl-1,1-dimethyl-ethyl)-N'-{2-methyl-4-[perfluoroisopropyl]phenyl}phthalamide		371771-07-2	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(perfluorooctyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		37338-48-0	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,4-Pentafluorobut-1-ene		374-27-6	GADSL 2023 #176(PFAS)
Observation	2,2-bis(Trifluoromethyl)perfluoropropane		374-51-6	GADSL 2023 #176(PFAS)
Observation	Undecafluoro(heptafluoropropyl)cyclohexane		374-59-4	GADSL 2023 #176(PFAS)
Observation	Perfluorobutylcyclohexane		374-60-7	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2-Propenoic acid, butyl ester, polymer with 2-ethylhexyl-2-propenoate, 2-hydroxyethyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-2-propenoate, 4,4'-azobis[4-cyanopentanoic acid]-initiated		374623-78-6	GADSL 2023 #176(PFAS)
Observation	Perfluoro-1,3,5-trimethylcyclohexane		374-76-5	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,4,4,5,5,6-Decafluoro-3,6-bis(trifluoromethyl)cyclohexane		374-77-6	GADSL 2023 #176(PFAS)
Observation	2H-Tricosafluoro-5,8,11,14-tetrakis(trifluoromethyl)-3,6,9,12,15-pentaoxaoctadecane		37486-69-4	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, telomer with chlorotrifluoroethene, oxidized, reduced, Et ester		374931-83-6	GADSL 2023 #176(PFAS)
Observation	Heptafluorobutyl iodide		374-98-1	GADSL 2023 #176(PFAS)
Observation	Heptafluorobutyronitrile		375-00-8	GADSL 2023 #176(PFAS)
Observation	3:1 Fluorotelomer alcolhol		375-01-9	GADSL 2023 #176(PFAS)
Observation	Heptafluoro-1-methoxypropane		375-03-1	GADSL 2023 #176(PFAS)
Observation	Heptafluorobutyryl Chloride		375-16-6	GADSL 2023 #176(PFAS)
Observation	Perfluorobutyrylamidine		375-19-9	GADSL 2023 #176(PFAS)
Observation	Perfluorobutanoic acid		375-22-4	GADSL 2023 #176(PFAS)
Observation	1,1,1,3,4-pentachloro-2,2,3,4,4-pentafluorobutane		375-46-2	GADSL 2023 #176(PFAS)
Observation	Perfluoro-1,4-diiodobutane		375-50-8	GADSL 2023 #176(PFAS)
Observation	2-Iodoperfluorobutane		375-51-9	GADSL 2023 #176(PFAS)
Observation	Perfluoropentanoyl fluoride		375-62-2	GADSL 2023 #176(PFAS)
Observation	Trichloro(1,1,2,2,3,3,4,4-octafluorobutyl)-silane		375-63-3	GADSL 2023 #176(PFAS)
Observation	1,6-Diiodoperfluorohexane		375-80-4	GADSL 2023 #176(PFAS)
Observation	Perfluoropentanesulfonyl fluoride		375-81-5	GADSL 2023 #176(PFAS)
Observation	Perfluoroheptanoyl fluoride		375-84-8	GADSL 2023 #176(PFAS)
Observation	Perfluoroheptanoic acid		375-85-9	GADSL 2023 #176(PFAS)
Observation	1-Bromopentadecafluoroheptane		375-88-2	GADSL 2023 #176(PFAS)
Observation	Perfluoroheptanesulfonic acid		375-92-8	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluorononane		375-96-2	GADSL 2023 #176(PFAS)
Observation	Perfluorotridecane		376-03-4	GADSL 2023 #176(PFAS)
Observation	2-(N-Ethylperfluorooctanesulfonamido)ethyl methacrylate		376-14-7	GADSL 2023 #176(PFAS)
Observation	1H,1H,9H-Hexadecafluoro-1-nonanol		376-18-1	GADSL 2023 #176(PFAS)
Observation	1,3-Dioxole, 4,5-difluoro-2,2-bis(trifluoromethyl)-, polymer with 1,1,2,2-tetrafluoroethene		37626-13-4	GADSL 2023 #176(PFAS)
Observation	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate		376-34-1	GADSL 2023 #176(PFAS)
Observation	Diethyl octafluorohexanedioate		376-50-1	GADSL 2023 #176(PFAS)
Observation	Adiponitrile, perfluoro		376-53-4	GADSL 2023 #176(PFAS)
Observation	5H-Octafluoropentanoyl chloride		376-71-6	GADSL 2023 #176(PFAS)
Observation	5H-Octafluoropentanoic acid		376-72-7	GADSL 2023 #176(PFAS)
Observation	Perfluoropentanedioic acid		376-73-8	GADSL 2023 #176(PFAS)
Observation	1H,1H,5H-Perfluoropentyl acrylate		376-84-1	GADSL 2023 #176(PFAS)
Observation	Hexafluoroamylene glycol		376-90-9	GADSL 2023 #176(PFAS)
Observation	1H,4H-Octafluorobutane		377-36-6	GADSL 2023 #176(PFAS)
Observation	Perfluorobutanedioic acid		377-38-8	GADSL 2023 #176(PFAS)
Observation	(2E)-4,4,5,5,6,6,6-Heptafluorohex-2-en-1-ol		37759-88-9	GADSL 2023 #176(PFAS)
Observation	Diethyl tetrafluorosuccinate		377-71-9	GADSL 2023 #176(PFAS)
Observation	Methyl 1H,1H-perfluoropropyl ether		378-16-5	GADSL 2023 #176(PFAS)
Observation	2,2,3,3-Tetrafluorocyclobutanemethanol		378-17-6	GADSL 2023 #176(PFAS)
Observation	Methyl pentafluoropropionate		378-75-6	GADSL 2023 #176(PFAS)
Observation	Potassium perfluoropropanoate		378-76-7	GADSL 2023 #176(PFAS)
Observation	Sodium perfluoropropanoate		378-77-8	GADSL 2023 #176(PFAS)
Observation	Octafluoroadipoyl difluoride		37881-62-2	GADSL 2023 #176(PFAS)
Observation	1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-iodo-		378-82-5	GADSL 2023 #176(PFAS)
Observation	Silver perfluorobutanoate		3794-64-7	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	(3-(Perfluorooctyl)sulphonylaminopropyl)trimethylammonium chloride		38006-74-5	GADSL 2023 #176(PFAS)
Observation	1,1-Bis(trifluoromethyl)ethene		382-10-5	GADSL 2023 #176(PFAS)
Observation	Perfluoroisobutene		382-21-8	GADSL 2023 #176(PFAS)
Observation	1,1,1,3,3-Pentafluoro-3-methoxy-2-(trifluoromethyl)propane		382-26-3	GADSL 2023 #176(PFAS)
Observation	Perfluoro(N-methylmorpholine)		382-28-5	GADSL 2023 #176(PFAS)
Observation	1,1,1,3,3,3-Hexafluoro-2-(methoxymethyl)propane		382-30-9	GADSL 2023 #176(PFAS)
Observation	1H,1H,3H-Perfluorobutanol		382-31-0	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,3,3-Hexafluoro-3-methoxypropane		382-34-3	GADSL 2023 #176(PFAS)
Observation	Methyl 2,3,3,3-tetrafluoropropanoate		382-93-4	GADSL 2023 #176(PFAS)
Observation	2-(N-Butylperfluorooctanesulfonamido)ethyl acrylate		383-07-3	GADSL 2023 #176(PFAS)
Observation	Dichloromethyl(3,3,4,4,5,5,6,6,6-nonafluorohexyl)silane		38436-16-7	GADSL 2023 #176(PFAS)
Observation	4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluoro-2-iodononan-1-ol		38550-44-6	GADSL 2023 #176(PFAS)
Observation	Potassium perfluoropentanesulfonate		3872-25-1	GADSL 2023 #176(PFAS)
Observation	Praseodymium(3+) (1Z)-2,2,3,3,4,4,4-heptafluoro-1-(4,7,7-trimethyl-3-oxo-2-bicyclo[2.2.1]heptanylidene)butan-1-olate		38832-94-9	GADSL 2023 #176(PFAS)
Observation	1,3-Bis(1,1,2,2-tetrafluoroethoxy)benzene		3914-19-0	GADSL 2023 #176(PFAS)
Observation	Methylperfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoic acid		39187-47-8	GADSL 2023 #176(PFAS)
Observation	Alcohols, C8-14, .alpha.-.omega.-perfluoro, ethoxylated, propoxylated		391895-07-1	GADSL 2023 #176(PFAS)
Observation	Tris(2-(perfluorododecyl)ethyl)phosphate		393098-42-5	GADSL 2023 #176(PFAS)
Observation	Tris(2-(perfluorotetradecanyl)ethyl)phosphate		393098-44-7	GADSL 2023 #176(PFAS)
Observation	Chlorodifluoromethane and chloropentafluoroethane mixture		39432-81-0	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,3,4,4,4-nonafluoro-N-[(trifluoromethyl)sulfonyl]-1-Butanesulfonamide		39847-37-5	GADSL 2023 #176(PFAS)
Observation	Bis(1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonyl)imide		39847-39-7	GADSL 2023 #176(PFAS)
Observation	Pent-4-en-2-yl perfluoro-2-propoxypropanoate		402570-09-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	3,4-Dichloro-1-methylbutyl perfluoro-2-(propoxy)propanoate		402570-10-9	GADSL 2023 #176(PFAS)
Observation	3,4-Dichloro-perfluoro-1-methylbutyl perfluoro-2-propoxypropanoate		402570-11-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro(7-methyl)octanesulfonate potassium salt		40365-28-4	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,3-Hexafluoro-1-[(trifluoroethenyl)oxy]-3-(trifluoromethoxy)propane		40573-09-9	GADSL 2023 #176(PFAS)
Observation	Benzoic acid, 4-(1,1-dimethylethyl)-, ethenyl ester, polymer with ethene, 4-(ethenyloxy)-1-butanol, 1,1,2,3,3,3-hexafluoro-1-propene and 1,1,2,2-tetrafluoroethene		406207-51-0	GADSL 2023 #176(PFAS)
Observation	Heptadecafluoro-N,N-bis(2-hydroxyethyl)octanesulphonamide		40630-61-3	GADSL 2023 #176(PFAS)
Observation	N-Allylperfluorobutanesulfonamide		40630-65-7	GADSL 2023 #176(PFAS)
Observation	(Perfluorocyclohexyl)methyl prop-2-enoate		40677-94-9	GADSL 2023 #176(PFAS)
Observation	(1H,1H-Perfluoroethyl)(2H-perfluoroethyl)ether		406-78-0	GADSL 2023 #176(PFAS)
Observation	2:2 Fluorotelomer iodide		40723-80-6	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-(1,1,2,2-tetrafluoro-2-(fluorosulphonyl)ethoxy)propionyl fluoride		4089-57-0	GADSL 2023 #176(PFAS)
Observation	8-Fluorosulfonylperfluoro(2,5-dimethyl-3,6-dioxaoctanoyl) fluoride		4089-58-1	GADSL 2023 #176(PFAS)
Observation	[3,3,4,4-Tetrafluoro-4-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]butyl]trichlorosilane		413570-89-5	GADSL 2023 #176(PFAS)
Observation	7H-Perfluoroheptanoyl chloride		41405-35-0	GADSL 2023 #176(PFAS)
Observation	(7.alpha.,17.beta.)-17-(acetyloxy)-7-[9-[(4,4,5,5,5-pentafluoropentyl)thio]nonyl]-estr-4-en-3-one		415927-29-6	GADSL 2023 #176(PFAS)
Observation	Sodium 2-[(perfluorooctyl)oxy]benzene-1-sulfonate		41674-07-1	GADSL 2023 #176(PFAS)
Observation	(2,2,3,3,4,4,5,5,6,6,7,7,8,9,9,9-Hexadecafluoro-8-(trifluoromethyl)nonyl)oxirane		41925-33-1	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-hydroxyethyl ester, adduct with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (1:1), reaction products with ethoxylated reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		421595-49-5	GADSL 2023 #176(PFAS)
Observation	1-Bromo-1,1,2,2-tetrafluoro-2-iodoethane		421-70-5	GADSL 2023 #176(PFAS)
Observation	1,1,1,2-Tetrafluoro-2-chloropropane		421-73-8	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1,3-Dichloro-1,1,2,2-tetrafluoropropane		422-00-4	GADSL 2023 #176(PFAS)
Observation	3-Chloro-1,1,1,2,2-pentafluoropropane		422-02-6	GADSL 2023 #176(PFAS)
Observation	Pentafluoropropiononitrile		422-04-8	GADSL 2023 #176(PFAS)
Observation	2:1 Fluorotelomer alcohol		422-05-9	GADSL 2023 #176(PFAS)
Observation	1-Chloro-1,1,2,2,3,3-hexafluoropropane		422-55-9	GADSL 2023 #176(PFAS)
Observation	3-Chloro-1,1,1,2,2,3-hexafluoropropane		422-57-1	GADSL 2023 #176(PFAS)
Observation	Perfluoropropionyl chloride		422-59-3	GADSL 2023 #176(PFAS)
Observation	Perfluoropropionyl fluoride		422-61-7	GADSL 2023 #176(PFAS)
Observation	1H-Perfluoro-1,1-propanediol		422-63-9	GADSL 2023 #176(PFAS)
Observation	Perfluoropropanoic acid		422-64-0	GADSL 2023 #176(PFAS)
Observation	Dichloro(methyl)(1,1,2,2-tetrafluoroethyl)silane		422-69-5	GADSL 2023 #176(PFAS)
Observation	1-Bromoheptafluoropropane		422-85-5	GADSL 2023 #176(PFAS)
Observation	1,3-Diiodoperfluoropropane		422-91-3	GADSL 2023 #176(PFAS)
Observation	Undecafluoro(1,1,1,2,3,3,3-heptafluoropropan-2-yl)cyclohexane		423-02-9	GADSL 2023 #176(PFAS)
Observation	1-Chloro-1,1,2,2,3,3,4,4-octafluorobutane		423-31-4	GADSL 2023 #176(PFAS)
Observation	Nonafluoro-1-iodobutane		423-39-2	GADSL 2023 #176(PFAS)
Observation	Perfluoropropanesulfonic acid		423-41-6	GADSL 2023 #176(PFAS)
Observation	Ammonium perfluoroundecanoate		4234-23-5	GADSL 2023 #176(PFAS)
Observation	1-Bromoheptadecafluorooctane		423-55-2	GADSL 2023 #176(PFAS)
Observation	N-(2-Hydroxyethyl)-N-propylperfluorooctanesulfonamide		4236-15-1	GADSL 2023 #176(PFAS)
Observation	11:1 Fluorotelomer alcohol		423-65-4	GADSL 2023 #176(PFAS)
Observation	2-(N-Ethyl-N-(perfluorooctylsulfonyl)amino)ethyl acrylate		423-82-5	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-[(tridecafluorohexyl)oxy]hexane		424-20-4	GADSL 2023 #176(PFAS)
Observation	Diethyl perfluoroglutarate		424-40-8	GADSL 2023 #176(PFAS)
Observation	1H,1H-Perfluorobutyl acrylate		424-64-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanenitrile		42532-60-5	GADSL 2023 #176(PFAS)
Observation	Perfluoromethoxypropionyl fluoride		425-38-7	GADSL 2023 #176(PFAS)
Observation	2,2,3,3-Tetrafluoro-1,4-butanediol		425-61-6	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrafluoro-1-methoxyethane		425-88-7	GADSL 2023 #176(PFAS)
Observation	Methyl perfluoro-2-[2-(3,3,3-trichloropropoxy)propoxy]propanoate		426264-19-9	GADSL 2023 #176(PFAS)
Observation	Trichloro(1,1,2,3,3,3-hexafluoropropyl)silane		426-50-6	GADSL 2023 #176(PFAS)
Observation	Ethyl perfluoropropionate		426-65-3	GADSL 2023 #176(PFAS)
Observation	Trifluoro(trifluoromethyl)oxirane		428-59-1	GADSL 2023 #176(PFAS)
Observation	Hexane, 1,6-diisocyanato-, homopolymer, α-fluoro-ω-(hydroxyethyl)poly(difluoromethylene)- and Me Et ketone oxime- and polyethylene glycol mono-Me ether-blocked		428842-38-0	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,3-Pentafluoropropane		431-31-2	GADSL 2023 #176(PFAS)
Observation	2,2,3,3-Tetrafluoropropanenitrile		431-32-3	GADSL 2023 #176(PFAS)
Observation	Perfluorotrihexylamine		432-08-6	GADSL 2023 #176(PFAS)
Observation	3-[(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)thio]propanoic acid lithium salt		433333-62-1	GADSL 2023 #176(PFAS)
Observation	Iodononafluoro-t-butane		4459-18-1	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonyl fluoride		446312-61-4	GADSL 2023 #176(PFAS)
Observation	3-Methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]-oxetane		449177-94-0	GADSL 2023 #176(PFAS)
Observation	2,2,3,3-Tetrafluoropropyl methacrylate		45102-52-1	GADSL 2023 #176(PFAS)
Observation	1H,1H-Perfluoropropyl methacrylate		45115-53-5	GADSL 2023 #176(PFAS)
Observation	Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, ether with 2,2-dimethyl-1,3-propanediol (2:1), bis(hydrogen sulfate), diammonium salt		452080-67-0	GADSL 2023 #176(PFAS)
Observation	1,1'-Oxybis(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane)		464-36-8	GADSL 2023 #176(PFAS)
Observation	3-Methyl-3-[[(3,3,4,4,5,5,6,6,6-nonafluorohexyl)oxy]methyl]-oxetane		475678-78-5	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	((Perfluoro-9-methyldecyl)methyl)oxirane		47795-34-6	GADSL 2023 #176(PFAS)
Observation	2-Propeonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-, polymer with 2-methyloxirane, polymer with oxirane bis(2methyl2propenoate) and 2-methyloxirane polymer with oxirane mono(2methyl-2-propenoate)		479074-93-6	GADSL 2023 #176(PFAS)
Observation	N-(2-Hydroxyethyl)-perfluoro-1-butanesulfonamide, cmpd. with 2,2'-iminobis[ethanol] (1:1)		484022-20-0	GADSL 2023 #176(PFAS)
Observation	4-(Nonafluorobutoxy)butanesulfonic acid ammonium salt		484023-69-0	GADSL 2023 #176(PFAS)
Observation	2-Hydroxy-3-[(2-hydroxyethyl)[(nonafluorobutyl)sulfonyl]amino]propanesulfonic acid monoammonium salt		484023-82-7	GADSL 2023 #176(PFAS)
Observation	2-Hydroxy-3-[ethyl[(nonafluorobutyl)sulfonyl]amino]propanesulfonic acid monoammonium salt		484023-83-8	GADSL 2023 #176(PFAS)
Observation	Perfluorobutane-1-sulfonamidoethanolate ammonium salt		484024-67-1	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Et esters		502164-17-2	GADSL 2023 #176(PFAS)
Observation	Perfluoro dimethylethylpentane		50285-18-2	GADSL 2023 #176(PFAS)
Observation	Perfluoro(3-ethyl-2,3-dimethylpentane)		50285-19-3	GADSL 2023 #176(PFAS)
Observation	Bis((perfluorobutyl)ethyl) 2-[(carboxymethyl)thio]butanedioate lithium salt		503534-33-6	GADSL 2023 #176(PFAS)
Observation	Silver pentafluoropropionate		509-09-1	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, esters, 2-methyl-, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with butyl 2-propenoate		50937-96-7	GADSL 2023 #176(PFAS)
Observation	2-Propanone, 1,1,1,3,3,3-hexafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		51023-51-9	GADSL 2023 #176(PFAS)
Observation	Perfluorotetradecanedioic acid dihydrazide		5102-53-4	GADSL 2023 #176(PFAS)
Observation	9-[(4,4,5,5,5-Pentafluoropentyl)sulfanyl]nonan-1-ol		511545-94-1	GADSL 2023 #176(PFAS)
Observation	Ethoxy-1,1,2,2-tetrafluoroethane		512-51-6	GADSL 2023 #176(PFAS)
Observation	Perfluoromethyldecalin		51294-16-7	GADSL 2023 #176(PFAS)
Observation	2-Butenedioic acid(Z)-, mono(2,2,3,3-tetrafluoropropyl)ester, sodium salt, polymer with ethenylbenzene		51343-70-5	GADSL 2023 #176(PFAS)
Observation	Perfluoro(dibutylmethylamine)		514-03-4	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	N-(Perfluoro-1-oxononyl)-N-methylglycine sodium salt		51588-53-5	GADSL 2023 #176(PFAS)
Observation	Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], α-(1-carboxy-1,2,2,2-tetrafluoroethyl)-ω-[tetrafluoro(trifluoromethyl)ethoxy]-		51798-33-5	GADSL 2023 #176(PFAS)
Observation	4-(Perfluoro(4-ethyl-3,4-dimethylhex-2-en-2-yl)oxy)benzene-1-sulfonyl chloride		51947-19-4	GADSL 2023 #176(PFAS)
Observation	Bis(nonafluorobutyl)phosphinic acid		52299-25-9	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,4-Pentafluorobutyl methacrylate		52519-51-4	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), α-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-ω-hydroxy-		52550-44-4	GADSL 2023 #176(PFAS)
Observation	N-Propylperfluorooctane sulfonamidoethanol polyoxyethylene		52550-45-5	GADSL 2023 #176(PFAS)
Observation	Sodium 4-{perfluoro[4-ethyl-3,4-dimethylhex-2-en-2-yl]oxy}benzene-1-sulfonate		52584-45-9	GADSL 2023 #176(PFAS)
Observation	2-(Perfluorobutyl)ethyl acrylate		52591-27-2	GADSL 2023 #176(PFAS)
Observation	Potassium p-(2,2,2-trifluoro-1-(p-hydroxyphenyl)-1-(trifluoromethyl)ethyl)phenolate		52870-69-6	GADSL 2023 #176(PFAS)
Observation	(Perfluoro-9-methyldecyl)ethyl acrylate		52956-81-7	GADSL 2023 #176(PFAS)
Observation	3,3-Dichloro-1,1,1,2-tetrafluoropropane		53063-54-0	GADSL 2023 #176(PFAS)
Observation	1,3-Bis(2-(perfluoro-7-methyloctyl)-1-ethylsulfanyl)propan-2-yl {4-methyl-3-[(2-methylaziridine-1-carbonyl)amino]phenyl}carbamate		53122-42-2	GADSL 2023 #176(PFAS)
Observation	3,5,7,9,9-Pentachloro-2,2,3,4,4,5,6,6,7,8,8,9-dodecafluorononanoic acid		53281-25-7	GADSL 2023 #176(PFAS)
Observation	3,5,7,9,11,11-Hexachloro-2,2,3,4,4,5,6,6,7,8,8,9,10,10,11-pentadecafluoroundecanoic acid		53281-37-1	GADSL 2023 #176(PFAS)
Observation	Trimethyl-3-((perfluorobutylsulphonyl)amino)propylammonium chloride		53518-00-6	GADSL 2023 #176(PFAS)
Observation	3-(Perfluorononyl)-1,2-propanediol-1-phosphate		54009-74-4	GADSL 2023 #176(PFAS)
Observation	(1H,1H-Perfluoro-14-methylpentadecyl)oxirane		54009-77-7	GADSL 2023 #176(PFAS)
Observation	(1H,1H-Perfluoro-12-methyltridecyl)oxirane		54009-78-8	GADSL 2023 #176(PFAS)
Observation	Chlorotrifluoro ethylene, ethylene, hexafluoroisobutylene terpolymer		54302-04-4	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Copolymer of ethylene/tetrafluoroethylene/3,3,3-trifluoro-2-(trifluoromethyl)-1-propene (a number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, lipid soluble solvent, usual solvent, acid and alkali)		54302-05-5	GADSL 2023 #176(PFAS)
Observation	Poly(tetrafluoroethylene-co-vinylidene fluoride-co-propylene)		54675-89-7	GADSL 2023 #176(PFAS)
Observation	Copolymer of fluoroethene, perfluoroethene and perfluoropropene		54733-33-4	GADSL 2023 #176(PFAS)
Observation	2:2 Fluorotelomer alcohol		54949-74-5	GADSL 2023 #176(PFAS)
Observation	1,4-Bis((perfluorohexyl)ethyl) sulphonatosuccinate sodium		54950-05-9	GADSL 2023 #176(PFAS)
Observation	Fluoroether E-6		55154-18-2	GADSL 2023 #176(PFAS)
Observation	Ethene, 1-bromo-1,2,2-trifluoro-, homopolymer		55157-25-0	GADSL 2023 #176(PFAS)
Observation	Morpholine, 2,2,3,3,5,5,6,6-octafluoro-4-(pentafluoroethyl)-		55716-11-5	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,6,6,7,7,8,8-dodecafluoro-2-methyloctan-2-ol		55793-32-3	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,3,4,5,5,6,6,6-Tridecafluoro-4-(trifluoromethyl)-hexane		558-69-0	GADSL 2023 #176(PFAS)
Observation	Potassium N-((heptadecafluorooctyl)sulphonyl)-N-propylglycinate		55910-10-6	GADSL 2023 #176(PFAS)
Observation	[(1,2,3,3,4,4,5,5,6,6,6-Undecafluorohex-1-en-1-yl)oxy]benzene		55937-49-0	GADSL 2023 #176(PFAS)
Observation	Octafluorocyclopentene		559-40-0	GADSL 2023 #176(PFAS)
Observation	(Perfluorobutyryl)-2-thenoylmethane		559-94-4	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,1-difluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		56357-87-0	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,5,5,6,6-Decafluoro-1-(pentafluoroethyl)piperidine		564-11-4	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), α-(tridecafluorohexyl)-ω-hydroxy-		56467-05-1	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		57570-64-6	GADSL 2023 #176(PFAS)
Observation	Potassium 2,3,4,5-tetrachloro-6-(((3-(((heptadecafluorooctyl)sulphonyl)oxy)phenyl)amino)carbonyl)benzoate		57589-85-2	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) hydrogen phosphate		57677-95-9	GADSL 2023 #176(PFAS)
Observation	Bis(2-(perfluorododecyl)ethyl) hydrogen phosphate		57677-99-3	GADSL 2023 #176(PFAS)
Observation	2-(Perfluorohexyl)ethanol dihydrogen phosphate bis(2-hydroxyethyl)amine		57678-02-1	GADSL 2023 #176(PFAS)
Observation	12:2 Fluorotelomer dihydrogen phosphate		57678-07-6	GADSL 2023 #176(PFAS)
Observation	Benzyl(diethylamino)diphenylphosphanium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]benzen-1-olate		577705-90-9	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, esters, 2-methyl-, 2-ethylhexyl ester, polymer with 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl 2-propenoate and oxiranylmethyl 2-methyl-2-propenoate		58180-21-5	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]-propanoyl fluoride		58194-00-6	GADSL 2023 #176(PFAS)
Observation	4-[(Heptadecafluorononen-1-yl)oxy]benzoic acid		58253-65-9	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,5,5,6,6,7,7,7-Tridecafluoro-N-(2-hydroxyethyl)heptanamide		58301-28-3	GADSL 2023 #176(PFAS)
Observation	3,3,4,5,5,5-Hexafluoro-2-methylpentan-2-ol		58380-92-0	GADSL 2023 #176(PFAS)
Observation	2H-Perfluoro-5,8,11,14,17,20,23,26-octamethyl-3,6,9,12,15,18,21,24,27-nonaoxatriacontane		58979-41-2	GADSL 2023 #176(PFAS)
Observation	2-((Ethyl(pentadecafluoroheptyl)sulfonyl)amino)ethyl acrylate		59071-10-2	GADSL 2023 #176(PFAS)
Observation	3,3'-(1,1,1,3,3,3-Hexafluoropropane-2,2-diyl)bis[6-(methoxycarbonyl)benzoic acid]		59301-66-5	GADSL 2023 #176(PFAS)
Observation	4-[(1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-Heptadecafluorononon-1-en-1-yl)oxy]benzoyl chloride		59432-83-6	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2-methylbutane		594-91-2	GADSL 2023 #176(PFAS)
Observation	3-[[[4-[(Heptadecafluorononenyl)oxy]phenyl]sulfonyl]amino]-N,N,N-trimethyl-1-propanaminium, iodide		59493-70-8	GADSL 2023 #176(PFAS)
Observation	1-(3-(4-((Heptadecafluorononyl)oxy)-benzamido)propyl)-N,N,N-trimethylammonium iodide		59493-72-0	GADSL 2023 #176(PFAS)
Observation	Sodium 4-perfluorohexenyloxybenzenesulfonate		59493-84-4	GADSL 2023 #176(PFAS)
Observation	p-Perfluorononenyloxybenzenesulfonyl chloride		59536-15-1	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Sodium 4-perfluorononyloxybenzenesulphonate		59536-17-3	GADSL 2023 #176(PFAS)
Observation	(Perfluorohexadecyl)ethyl 2-methyl-2-propenoate		59778-97-1	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,19,19,20,22,22,23,23,24,24,24-Nonacosafluoro-5,8,11,14,17,20-hexakis(trifluoromethyl)-3,6,9,12,15,18,21-heptaoxatetracosane		59852-65-2	GADSL 2023 #176(PFAS)
Observation	Pentafluoropropionaldehyde methyl hemiacetal		59872-84-3	GADSL 2023 #176(PFAS)
Observation	Bis(2,2,3,3,4,4,5,5,6,6,7,7-Dodecafluoroheptyl)sulfosuccinate sodium salt		60131-27-3	GADSL 2023 #176(PFAS)
Observation	Krytox 143		60164-51-4	GADSL 2023 #176(PFAS)
Observation	Potassium perfluoroheptanesulfonate		60270-55-5	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4-Hexafluoro-4-iodobutanoyl fluoride		6044-18-4	GADSL 2023 #176(PFAS)
Observation	4,5-Dichloro-4,5-difluoro-2,2-bis(trifluoromethyl)-1,3-dioxolane		60644-92-0	GADSL 2023 #176(PFAS)
Observation	Sodium perfluoroundecanoate		60871-96-7	GADSL 2023 #176(PFAS)
Observation	Ethene, bromotrifluoro-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		60917-27-3	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with bromotrifluoroethene, 1,1-difluoroethene		60918-83-4	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1-bromo-1,2,2-trifluoroethene, 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		60918-85-6	GADSL 2023 #176(PFAS)
Observation	1-Propene, polymer with bromotrifluoroethene and tetrafluoroethene		60918-86-7	GADSL 2023 #176(PFAS)
Observation	1,3-Bis[(6H-perfluorohexyl)methoxy]-2-propanol hydrogen sulfate sodium		61119-62-8	GADSL 2023 #176(PFAS)
Observation	Ammonium perfluoroheptanoate		6130-43-4	GADSL 2023 #176(PFAS)
Observation	N-Ethylheptadecafluoro-N-(3-(trimethoxysilyl)propyl)octanesulphonamide		61660-12-6	GADSL 2023 #176(PFAS)
Observation	N-(2-Carboxyethyl)-N,N-dimethyl-3-[[(perfluorohexyl)ethylsulfonyl]amino]propanaminium		61798-69-4	GADSL 2023 #176(PFAS)
Observation	1,1,1,3,3,5,5,5-Octafluoro-2,2,4,4-tetrakis(trifluoromethyl)pentane		62375-54-6	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	(1R,4S)-3-(2,2,3,3,4,4,4-Heptafluoro-1-hydroxybutylidene)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-one		63180-06-3	GADSL 2023 #176(PFAS)
Observation	1H,1H,2H,2H-Perfluorotetradecanol sulfate ammonium salt		63225-59-2	GADSL 2023 #176(PFAS)
Observation	1,4-Bis(1H,1H,9H-perfluorononyl) sulfobutanedioate sodium		63367-17-9	GADSL 2023 #176(PFAS)
Observation	1-Propene, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]propane and tetrafluoroethene		63391-86-6	GADSL 2023 #176(PFAS)
Observation	Methyl 2,2,3,3,4-pentafluoro-4-oxobutanoate		63425-24-1	GADSL 2023 #176(PFAS)
Observation	P-[[4-[(Heptadecafluorononen-1-yl)oxy]phenyl]methyl]phosphonic acid		63513-12-2	GADSL 2023 #176(PFAS)
Observation	Copolymer of hexafluoropropene, perfluoro(ethoxyethene) and tetrafluoroethene		63654-40-0	GADSL 2023 #176(PFAS)
Observation	Hexafluoropropene, 1-((trifluoroethenyl)oxy)heptafluoropropane, tetrafluoroethene polymer		63654-41-1	GADSL 2023 #176(PFAS)
Observation	2-Pentene, 1,1,1,3,4,5,5,5-octafluoro-2,4-bis(trifluoromethyl)-		63703-15-1	GADSL 2023 #176(PFAS)
Observation	Methyl perfluoro(3-(1-ethenyloxypropan-2-yloxy)propanoate)		63863-43-4	GADSL 2023 #176(PFAS)
Observation	Propanoic acid, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, methyl ester, polymer with tetrafluoroethene		63863-44-5	GADSL 2023 #176(PFAS)
Observation	1-Iodoperfluoropentane		638-79-9	GADSL 2023 #176(PFAS)
Observation	3-(Heptadecafluorooctyl)-1,2,4-trioxolane		63967-43-1	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1-chloro-1,2,2-trifluoroethene and 1,1,2,2-tetrafluoroethene		64155-70-0	GADSL 2023 #176(PFAS)
Observation	Heptadecafluoro-N-(2-(phosphonooxy)ethyl)-N-propyloctanesulphonamide		64264-44-4	GADSL 2023 #176(PFAS)
Observation	Ethanesulfonamide, N-(2-aminoethyl)-2-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene		64346-91-4	GADSL 2023 #176(PFAS)
Observation	3,3,4,4-Tetrafluoro-2-methylbutan-2-yl 2-methylprop-2-enoate		64375-26-4	GADSL 2023 #176(PFAS)
Observation	Hexafluorobutyl methacrylate polymer		64376-86-9	GADSL 2023 #176(PFAS)
Observation	1,8-Dibromo-1,1,2,2-tetrafluoro-Octane		64382-00-9	GADSL 2023 #176(PFAS)
Observation	1,1,1-trifluoro-2-(trifluoromethyl)pent-4-en-2-ol		646-97-9	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	7H-Perfluoroheptanal		647-44-9	GADSL 2023 #176(PFAS)
Observation	4,4,5,5,6,6,6-Heptafluoro-2-iodohexan-1-ol		647-84-7	GADSL 2023 #176(PFAS)
Observation	Benzenesulfonic acid, 4-[(nonadecafluorodecenyl)oxy]-, sodium salt		64910-98-1	GADSL 2023 #176(PFAS)
Observation	1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		65059-79-2	GADSL 2023 #176(PFAS)
Observation	3,4-Dichloro-alpha,alpha-bis(trifluoromethyl)benzenemethanol		65072-48-2	GADSL 2023 #176(PFAS)
Observation	Ethanesulfonic acid, 2-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, potassium salt (1:1), polymer with 1,1,2,2-tetrafluoroethene		65086-49-9	GADSL 2023 #176(PFAS)
Observation	Ethanesulfonamide, N-butyl-2-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with tetrafluoroethene		65104-43-0	GADSL 2023 #176(PFAS)
Observation	(Perfluorooctadecyl)ethyl 2-propenoate		65104-64-5	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrahydroperfluoroeicosyl alcohol		65104-65-6	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrahydroperfluoroeicosyl methacrylate		65104-66-7	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrahydroperfluoro-1-octadecanol		65104-67-8	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,5,8,11,14,17,20,23,26-nonamethyl-3,6,9,12,15,18,21,24,27-nonaoxatriacontan-1-oyl fluoride		65150-88-1	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrahydroperfluorooctadecyl acrylate		65150-93-8	GADSL 2023 #176(PFAS)
Observation	Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[1,2,2,2-tetrafluoro-1-(fluorocarbonyl)ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		65208-35-7	GADSL 2023 #176(PFAS)
Observation	1,1'-(2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene)bis(3,4-dimethylbenzene)		65294-20-4	GADSL 2023 #176(PFAS)
Observation	4-[[3,4,4,4-Tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]benzoic acid		65439-50-1	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-[[2-(trimethylammonio)ethyl]thio]ethyl]-, methyl sulfate		65530-57-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, ester with 2,15-bis(carboxymethyl)-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,2,15,16-tetracarboxylic acid (6:1)		65530-58-7	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, 2-hydroxy-1,2,3-propanetricarboxylate (3:1)		65530-59-8	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-		65530-60-1	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-(phosphonooxy)ethyl)-		65530-61-2	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.,.alpha.'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[.omega.-fluoro-		65530-62-3	GADSL 2023 #176(PFAS)
Observation	Ethanol, 2,2'-iminobis-, compd. with .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]poly(difluoromethylene) (2:1)		65530-63-4	GADSL 2023 #176(PFAS)
Observation	Ethanol, 2,2'-iminobis-, compd. with .alpha.,.alpha.'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[.omega.-fluoropoly(difluoromethylene)] (1:1)		65530-64-5	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-[(1-oxooctadecyl)oxy]ethyl]-		65530-65-6	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-		65530-66-7	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-[2-[(2-carboxyethyl)thio]ethyl]-.omega.-fluoro-, lithium salt (1:1)		65530-69-0	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.,.alpha.'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[.omega.-fluoro-, ammonium salt		65530-70-3	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]-, monoammonium salt		65530-71-4	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]-, diammonium salt		65530-72-5	GADSL 2023 #176(PFAS)
Observation	Ethanol, 2,2'-iminobis-, compd. with .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]poly(difluoromethylene) (1:1)		65530-74-7	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-ethenyl-.omega.-fluoro-		65530-75-8	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), alpha,omega-difluoro-		65530-82-7	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-[2-[(2-carboxyethyl)thio]ethyl]-.omega.-fluoro- (Zonyl 7950)		65530-83-8	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Poly(difluoromethylene), .alpha.-(cyclohexylmethyl)-.omega.-hydro-		65530-85-0	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, ether with alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene) (1:1)		65545-80-4	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-(nonafluorobutoxy)propanoyl fluoride		65566-03-2	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, N-oxide, polymer with alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and alpha-(2-methyl-1-oxo-2-propenyl)-omega-(nonylphenoxy)poly(oxy-1,2-ethanediyl)		65605-53-0	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, dihydrogen 2-hydroxy-1,2,3-propanetricarboxylate		65605-56-3	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, hydrogen 2-hydroxy-1,2,3-propanetricarboxylate		65605-57-4	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene)		65605-58-5	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamide		65605-59-6	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide		65605-60-9	GADSL 2023 #176(PFAS)
Observation	65605-62-1 (name too long)		65605-62-1	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with N,N-dimethyl-2-propenamide, α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and methyl 2-propenoate		65605-65-4	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, butyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamide		65605-66-5	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with butyl 2-propenoate, α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamide		65605-68-7	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2-Propenoic acid, methyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		65605-69-8	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]-		65605-70-1	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with α-fluoro-ω-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), N-(hydroxymethyl)-2-propenamide and (2,2,2-trifluoroethoxy)ethene		65605-71-2	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), N-(hydroxymethyl)-2-propenamide and methyl 2-propenoate		65605-72-3	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]-, homopolymer		65605-73-4	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-oxiranylmethyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene)		65605-74-5	GADSL 2023 #176(PFAS)
Observation	65636-35-3 (name too long)		65636-35-3	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,6,6,7,7,7-Undecafluoroheptane-1-sulphonyl chloride		65702-23-0	GADSL 2023 #176(PFAS)
Observation	4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-Hexadecafluoro-2-iodo-10-(trifluoromethyl)undecan-1-ol		65726-35-4	GADSL 2023 #176(PFAS)
Observation	Perfluorocyclohexanecarbonyl fluoride		6588-63-2	GADSL 2023 #176(PFAS)
Observation	N-(Carboxymethyl)-N,N-dimethyl-3-(methyl((perfluorohexyl)ethylsulfonyl)amino)-1-propanaminium		66008-71-7	GADSL 2023 #176(PFAS)
Observation	N-(2-Carboxyethyl)-N,N-dimethyl-3-[methyl[(perfluorohexyl)ethylsulfonyl]amino]-1-propanaminium		66008-72-8	GADSL 2023 #176(PFAS)
Observation	5-Iodoperfluoro-3-oxapentanesulfonyl fluoride		66137-74-4	GADSL 2023 #176(PFAS)
Observation	Ethene, 1-bromo-1,2,2-trifluoro-, telomer with tribromofluoromethane		66143-00-8	GADSL 2023 #176(PFAS)
Observation	Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-[(trifluoroethenyl)oxy]-, methyl ester, homopolymer, hydrolyzed		661476-43-3	GADSL 2023 #176(PFAS)
Observation	1,2-Dibromohexafluoropropane		661-95-0	GADSL 2023 #176(PFAS)
Observation	Heptafluorobutyramide		662-50-0	GADSL 2023 #176(PFAS)
Observation	N-[(Heptadecafluorooctyl)sulfonyl]-N-propylglycine		66551-19-7	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1-(Perfluoroethoxy)perfluoropropane		66840-50-4	GADSL 2023 #176(PFAS)
Observation	(Perfluorododecyl)ethylene		67103-05-3	GADSL 2023 #176(PFAS)
Observation	Potassium perfluoro(2-(2-propoxypropoxy)propanoate)		67118-57-4	GADSL 2023 #176(PFAS)
Observation	Cyclohexanesulfonic acid, decafluoro(pentafluoroethyl)-, potassium salt (1:1)		67584-42-3	GADSL 2023 #176(PFAS)
Observation	Potassium N-ethyl-N-((nonafluorobutyl)sulphonyl)glycinate		67584-51-4	GADSL 2023 #176(PFAS)
Observation	Potassium N-ethyl-N-((undecafluoropentyl)sulphonyl)glycinate		67584-52-5	GADSL 2023 #176(PFAS)
Observation	Perfluoroheptane sulfonamido amine		67584-54-7	GADSL 2023 #176(PFAS)
Observation	2-(N-Methylperfluorobutylsulfonamido)ethyl acrylate		67584-55-8	GADSL 2023 #176(PFAS)
Observation	2-(Methyl((undecafluoropentyl)sulfonyl)amino)ethyl acrylate		67584-56-9	GADSL 2023 #176(PFAS)
Observation	3-((Perfluoroheptyl)sulfonylamino)-N,N,N-trimethyl-1-propanaminium iodide		67584-58-1	GADSL 2023 #176(PFAS)
Observation	2-(N-Methylperfluorobutanesulfonamido)ethyl methacrylate		67584-59-2	GADSL 2023 #176(PFAS)
Observation	2-(Methyl((undecafluoropentyl)sulphonyl)amino)ethyl methacrylate		67584-60-5	GADSL 2023 #176(PFAS)
Observation	Potassium N-ethyl-N-((pentadecafluoroheptyl)sulphonyl)glycinate		67584-62-7	GADSL 2023 #176(PFAS)
Observation	Ethyl N-ethyl-N-((nonafluorobutyl)sulfonyl)glycinate		67584-63-8	GADSL 2023 #176(PFAS)
Observation	2-Propanol, 1,1,1,3,3,3-hexafluoro-, 2-(4-methylbenzenesulfonate)		67674-48-0	GADSL 2023 #176(PFAS)
Observation	1-Chloro-1,1,2,2,3-pentafluoropropane		677-55-4	GADSL 2023 #176(PFAS)
Observation	Heptafluoro-2-iodopropane		677-69-0	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanoyl fluoride		677-84-9	GADSL 2023 #176(PFAS)
Observation	1,2-Dichloro-4-iodoperfluorobutane		678-13-7	GADSL 2023 #176(PFAS)
Observation	Perfluorooctanedioic acid		678-45-5	GADSL 2023 #176(PFAS)
Observation	Tetraethyl 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bisphthalate		67846-42-8	GADSL 2023 #176(PFAS)
Observation	S-(3-(Ethoxycarbonylaminomethyl)-3-(perfluorohexyl)propyl)sulfurothioate sodium		67846-66-6	GADSL 2023 #176(PFAS)
Observation	Hexafluoroglutaryl chloride		678-77-3	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1H,1H,5H,5H-Perfluoro-1,5-pentanediol diacrylate		678-95-5	GADSL 2023 #176(PFAS)
Observation	4-[Methyl[(nonafluorobutyl)sulfonyl]amino]butyl methacrylate		67906-39-2	GADSL 2023 #176(PFAS)
Observation	4-(Methyl((undecafluoropentyl)sulphonyl)amino)butyl methacrylate		67906-40-5	GADSL 2023 #176(PFAS)
Observation	Ammonium perfluorodecanesulfonate		67906-42-7	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-(ethyl((undecafluoropentyl)sulfonyl)amino)ethyl ester		67906-73-4	GADSL 2023 #176(PFAS)
Observation	Tetrafluorosuccinyl fluoride		679-13-0	GADSL 2023 #176(PFAS)
Observation	2-(Ethyl((nonafluorobutyl)sulphonyl)amino)ethyl methacrylate		67939-33-7	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-[ethyl[(nonafluorobutyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid		67939-34-8	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester		67939-36-0	GADSL 2023 #176(PFAS)
Observation	N-(3-(Dimethylamino)propyl)heptadecafluorooctanesulphonamide monohydrochloride		67939-88-2	GADSL 2023 #176(PFAS)
Observation	2-(Ethyl((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulphonyl)amino)ethyl dihydrogen phosphate		67939-89-3	GADSL 2023 #176(PFAS)
Observation	Bis(2-(ethyl(nonafluorobutanesulphonyl)amino)ethyl) hydrogen phosphate		67939-91-7	GADSL 2023 #176(PFAS)
Observation	Bis(2-{ethyl[(perfluoroheptyl)sulfonyl]amino}ethyl) hydrogen phosphate		67939-93-9	GADSL 2023 #176(PFAS)
Observation	N,N',N''-(Phosphoryltris(oxyethylene))tris(N-ethyl-perfluoroheptane-1-sulphonamide)		67939-94-0	GADSL 2023 #176(PFAS)
Observation	Trimethyl-3-(((nonafluorobutyl)sulphonyl)amino)propylammonium iodide		67939-95-1	GADSL 2023 #176(PFAS)
Observation	2-(Methyl((pentadecafluoroheptyl)sulphonyl)amino)ethyl methacrylate		67939-96-2	GADSL 2023 #176(PFAS)
Observation	Ammonium bis(2-(ethyl((pentadecafluoroheptyl)sulphonyl)amino)ethyl) phosphate		67939-97-3	GADSL 2023 #176(PFAS)
Observation	Diammonium 2-(ethyl((pentadecafluoroheptyl)sulphonyl)amino)ethyl phosphate		67939-98-4	GADSL 2023 #176(PFAS)
Observation	N-(3-(Dimethylamino)propyl)perfluoroheptanesulfonamide hydrochloride		67940-02-7	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid potassium salt		67963-77-3	GADSL 2023 #176(PFAS)
Observation	N-ethyl-N-[2-(phosphonooxy)ethyl]perfluorooctanesulfonamide diammonium salt		67969-69-1	GADSL 2023 #176(PFAS)
Observation	1-Chloro-1,2,2,3,3-pentafluoropropane		679-99-2	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,5,6,6,6-Decafluoro-5-(trifluoromethyl)hexanoic acid - ethanamine (1:1)		68015-84-9	GADSL 2023 #176(PFAS)
Observation	Ethanaminium perfluoro-9-methyldecanoate		68015-85-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro-7-(trifluoromethyl)octanoic acid ethanamine		68015-86-1	GADSL 2023 #176(PFAS)
Observation	Perfluoro-13-methyltetradecanoic acid compd. with ethanamine		68052-68-6	GADSL 2023 #176(PFAS)
Observation	2-(Methyl((pentadecafluoroheptyl)sulfonyl)amino)ethyl acrylate		68084-62-8	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl (C2-C8)ethyl mercaptan		68140-18-1	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrahydroperfluoroalkyl (C4-20) mercaptan		68140-19-2	GADSL 2023 #176(PFAS)
Observation	Potassium 2,2,3,3,4,4,5,5,6-nonafluoro-1,6- bis(trifluoromethyl)cyclohexane-1-sulfonate		68156-01-4	GADSL 2023 #176(PFAS)
Observation	Potassium decafluoro(trifluoromethyl)cyclohexanesulfonate		68156-07-0	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,3,4,5,5,5-Undecafluoro-4-iodopentane		68158-13-4	GADSL 2023 #176(PFAS)
Observation	1,1-Difluoroethene, hexafluoropropene, 1-((trifluoroethenyl)oxy)heptafluoropropane, tetrafluoroethene polymer		68182-34-3	GADSL 2023 #176(PFAS)
Observation	1-Propanesulfonic acid, 2-methyl-, 2-[[1-oxo-3-[(.gamma.-.omega.-perfluoro-C4-16-alkyl)thio]propyl]amino]derivs.., sodium salts		68187-47-3	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and 1,2,3,3,3-pentafluoro-1-propene		68214-23-3	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide		68239-43-0	GADSL 2023 #176(PFAS)
Observation	N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(3-(trimethoxysilyl)propyl)heptane-1-sulphonamide		68239-75-8	GADSL 2023 #176(PFAS)
Observation	1-Hexene, 3,3,4,4,5,5,6,6,6-nonafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		68258-85-5	GADSL 2023 #176(PFAS)
Observation	Perfluorononanesulfonyl fluoride		68259-06-3	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Ammonium perfluoroheptanesulfonate		68259-07-4	GADSL 2023 #176(PFAS)
Observation	Ammonium perfluoropentanesulfonate		68259-09-6	GADSL 2023 #176(PFAS)
Observation	Ammonium perfluoropentanoate		68259-11-0	GADSL 2023 #176(PFAS)
Observation	Perfluorononanesulfonic acid		68259-12-1	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-Pentadecafluoro-N-methyl-1-heptanesulfonamide		68259-14-3	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68259-39-2	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-(ethyl((undecafluoropentyl)sulfonyl)amino)ethyl ester		68298-06-6	GADSL 2023 #176(PFAS)
Observation	N-(Phenylmethyl)perfluorobutanesulfonamide		68298-07-7	GADSL 2023 #176(PFAS)
Observation	3-([(Perfluorooctyl)sulfonyl]{3-[(2-hydroxyethyl)(dimethyl)azaniumyl]propyl}amino)-1-propanesulfonate		68298-11-3	GADSL 2023 #176(PFAS)
Observation	N-(Methyl)nonafluorobutanesulfonamide		68298-12-4	GADSL 2023 #176(PFAS)
Observation	Undecafluoro-N-methyl-1-pentanesulfonamide		68298-13-5	GADSL 2023 #176(PFAS)
Observation	2-(Butyl((pentadecafluoroheptyl)sulphonyl)amino)ethyl acrylate		68298-60-2	GADSL 2023 #176(PFAS)
Observation	68298-62-4 (name too long)		68298-62-4	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(nonafluorobutyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68298-79-3	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(perfluoropentyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68298-80-6	GADSL 2023 #176(PFAS)
Observation	alpha-(2-(Ethyl((pentadecafluoroheptyl)sulfonyl)amino)ethyl)-omega-hydroxy poly(oxy-1,2-ethanediyl)		68298-81-7	GADSL 2023 #176(PFAS)
Observation	Sodium 2-((nonafluorobutylsulfonylamino)methyl)benzenesulfonate		68299-19-4	GADSL 2023 #176(PFAS)
Observation	Perfluoroeicosanoic acid		68310-12-3	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(perfluoropentyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68310-17-8	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(nonafluorobutyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68310-18-9	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	3-((Perfluorooctylsulphonyl)amino)-N,N,N-trimethylpropanaminium iodide		68310-75-8	GADSL 2023 #176(PFAS)
Observation	Hexafluoroacetone		684-16-2	GADSL 2023 #176(PFAS)
Observation	1,4-Benzenedicarboxylic acid, esters, dimethyl ester, reaction products with bis(2-hydroxyethyl) terephthalate, ethylene glycol, .alpha.-fluoro-.omega.-(2-hydroxyethyl)poly(difluoromethylene), hexakis(methoxymethyl)melamine and polyethylene glycol		68515-62-8	GADSL 2023 #176(PFAS)
Observation	Benzenesulfonyl chloride, 4-(1,1,2,2-tetrafluoroethoxy)-		68516-54-1	GADSL 2023 #176(PFAS)
Observation	2,3,4,5-Tetrachloro-6-[3-(perfluoroheptyl)sulfonyloxyphenylamino]carbonylbenzoate potassium		68541-01-5	GADSL 2023 #176(PFAS)
Observation	Potassium 2,3,4,5-tetrachloro-6-(((3-(((undecafluoropentyl)sulphonyl)oxy)phenyl)amino)carbonyl)benzoate		68541-02-6	GADSL 2023 #176(PFAS)
Observation	Sodium perfluoroheptanesulfinate		68555-66-8	GADSL 2023 #176(PFAS)
Observation	Sodium perfluorooctanesulfinate		68555-67-9	GADSL 2023 #176(PFAS)
Observation	Sodium N-ethyl-N-((nonafluorobutyl)sulphonyl)glycinate		68555-68-0	GADSL 2023 #176(PFAS)
Observation	N-Ethylundecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide		68555-72-6	GADSL 2023 #176(PFAS)
Observation	N-Ethyl-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide		68555-73-7	GADSL 2023 #176(PFAS)
Observation	Undecafluoro-N-(2-hydroxyethyl)-N-methyl-1-pentanesulfonamide		68555-74-8	GADSL 2023 #176(PFAS)
Observation	Pentadecafluoro-N-(2-hydroxyethyl)-N-methyl-1-heptanesulfonamide		68555-76-0	GADSL 2023 #176(PFAS)
Observation	Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine		68555-77-1	GADSL 2023 #176(PFAS)
Observation	Perfluoropentane sulfonamido amine		68555-78-2	GADSL 2023 #176(PFAS)
Observation	Trimethyl-3-(((pentadecafluoroheptyl)sulphonyl)amino)propylammonium chloride		68555-81-7	GADSL 2023 #176(PFAS)
Observation	Hexafluoro-1,3-butadiene		685-63-2	GADSL 2023 #176(PFAS)
Observation	Potassium 6-(((3-(perfluorobutylsulphonyloxy)phenyl)amino)carbonyl)perchlorobenzoate		68568-54-7	GADSL 2023 #176(PFAS)
Observation	(Perfluorododecyl)ethylsulfonyl chloride		68758-57-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Acetic acid, [1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]difluoro-, potassium salt, polymer with tetrafluoroethene		68805-70-9	GADSL 2023 #176(PFAS)
Observation	4-Bromo-(1,1,2,2-tetrafluoroethoxy)benzene		68834-05-9	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), .alpha.-[1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl]-.omega.-[[1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl]oxy]-		68877-38-3	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), .alpha.-[1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl]-.omega.-methoxy-		68877-51-0	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, homopolymer, .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, citrate, reaction products with 1,6-diisocyanatohexane		68891-05-4	GADSL 2023 #176(PFAS)
Observation	Diaquatetrachloro[mu-[N-ethyl-N-[(perfluorooctyl)sulfonyl]glycinato-O1:O1']]-mu-hydroxybis[2-methylpropanol]dichromium		68891-96-3	GADSL 2023 #176(PFAS)
Observation	Diaquatetrachloro(mu-(N-ethyl-N-((pentadecafluoroheptyl)sulfonyl)glycinato-O1:O1'))-mu-hydroxybis(2-propanol) chromium		68891-97-4	GADSL 2023 #176(PFAS)
Observation	Diaquatetrachloro(mu-(N-ethyl-N-((perfluoropentyl)sulfonyl)glycinato-O1:O1'))-mu-hydroxybis(2-propanol)dichromium		68891-99-6	GADSL 2023 #176(PFAS)
Observation	Diaquatetrachloro(mu-(N-ethyl-N-((perfluorobutyl)sulfonyl)glycinato-O1:O1'))-mu-hydroxybis(2-propanol)dichromium		68900-97-0	GADSL 2023 #176(PFAS)
Observation	N-Ethyl-N-[(nonafluorobutyl)sulfonyl]glycine		68957-33-5	GADSL 2023 #176(PFAS)
Observation	3-((Perfluoropentylsulfonyl)amino)-N,N,N-trimethylpropanaminium chloride		68957-55-1	GADSL 2023 #176(PFAS)
Observation	Trimethyl-3-(((undecafluoropentyl)sulphonyl)amino)propylammonium iodide		68957-57-3	GADSL 2023 #176(PFAS)
Observation	N-(3-(Dimethylamino)propyl)-1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonamide monohydrochlorid		68957-59-5	GADSL 2023 #176(PFAS)
Observation	N-[3-(dimethylamino)propyl]-perfluoropentanesulfonamide hydrochloride		68957-60-8	GADSL 2023 #176(PFAS)
Observation	N-Ethylpentadecafluoro-1-heptanesulfonamide		68957-62-0	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(perfluoroheptyl)sulfonyl]amino]ethyl]-.omega.-methoxy-		68958-60-1	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl]-.omega.-methoxy-		68958-61-2	GADSL 2023 #176(PFAS)
Observation	Benzenemethanaminium, N-(carboxymethyl)-4-[(heptadecafluorononenyl)oxy]-N,N-dimethyl-, inner salt		68972-29-2	GADSL 2023 #176(PFAS)
Observation	N-Methyl-4-((4,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl)oxy)-N-(2-(phosphonooxy)ethyl)-Benzenesulfonamide		69013-34-9	GADSL 2023 #176(PFAS)
Observation	Propanoic acid, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, sodium salt, polymer with tetrafluoroethene		69068-23-1	GADSL 2023 #176(PFAS)
Observation	Perfluoro-3-{[1-(ethenyloxy)propan-2-yl]oxy}propanoic acid		69087-46-3	GADSL 2023 #176(PFAS)
Observation	Propanoic acid, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, polymer with tetrafluoroethene		69087-47-4	GADSL 2023 #176(PFAS)
Observation	Perfluorononane sulfonamido ammonium iodide		69091-20-9	GADSL 2023 #176(PFAS)
Observation	Methyl perfluoro-3-[(perfluoro-3-oxopropan-2-yl)oxy]propanoate		69116-72-9	GADSL 2023 #176(PFAS)
Observation	Methyl perfluoro(8-(fluoroformyl)-5-methyl-4,7-dioxanonanoate)		69116-73-0	GADSL 2023 #176(PFAS)
Observation	1-(6H-Perfluorohexyl)-1-(fluoren-2-yl)-N-(perfluorobutyl)sulfonyloxymethanimine		691358-66-4	GADSL 2023 #176(PFAS)
Observation	Fatty acids, C7-13, perfluoro, compds. with ethylamine		69278-80-4	GADSL 2023 #176(PFAS)
Observation	Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-[(trifluorothenyl)oxy]-, sodium salt, polymer with tetrafluoroethene		69531-49-3	GADSL 2023 #176(PFAS)
Observation	2,2-Bis[4-(4-nitrophenoxy)phenyl]hexafluoropropane		69563-87-7	GADSL 2023 #176(PFAS)
Observation	4,4'-[[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]bis(4,1-phenyleneoxy)]bis-benzenamine		69563-88-8	GADSL 2023 #176(PFAS)
Observation	Tetrafluoroethane beta-sultone		697-18-7	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,5,6,6,8,9,9-Decafluoro-5-(trifluoromethyl)-4,7-dioxa-8-nonenamide		69804-18-8	GADSL 2023 #176(PFAS)
Observation	Perfluoro(3-(1-(ethenyloxy)propan-2-yloxy)propanenitrile)		69804-19-9	GADSL 2023 #176(PFAS)
Observation	1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-[(trifluoroethenyl)oxy]-		69818-05-9	GADSL 2023 #176(PFAS)
Observation	Perfluorosuccinic anhydride		699-30-9	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1-Vinyloxyperfluoropropane		6996-01-6	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd.		69991-61-3	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced		69991-62-4	GADSL 2023 #176(PFAS)
Observation	Perfluoropolymethylisopropyl ether		69991-67-9	GADSL 2023 #176(PFAS)
Observation	1-[Difluoro(trifluoromethoxy)methoxy]-1,2,2-trifluoroethene		700874-87-9	GADSL 2023 #176(PFAS)
Observation	Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate		70225-15-9	GADSL 2023 #176(PFAS)
Observation	Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate		70225-17-1	GADSL 2023 #176(PFAS)
Observation	Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate		70225-18-2	GADSL 2023 #176(PFAS)
Observation	Bis(trimethyl-3-(((pentadecafluoroheptyl)sulphonyl)amino)propylammonium) sulphate		70225-20-6	GADSL 2023 #176(PFAS)
Observation	Bis(trimethyl-3-(((nonafluorobutyl)sulphonyl)amino)propylammonium)sulphate		70225-22-8	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5-Hexafluorooxolan-2-one		702-35-2	GADSL 2023 #176(PFAS)
Observation	Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate		70281-93-5	GADSL 2023 #176(PFAS)
Observation	Cyclotetrasiloxane, 2,4,6,8-tetramethyl-, Si -mixed 3-(2-oxiranylmethoxy)propyl and 3-[2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]propyl and 2-(trimethoxysilyl)ethyl derivs.		705291-24-3	GADSL 2023 #176(PFAS)
Observation	(Dimethyl{3-[(perfluorodecanoyl)amino]propyl}ammonio)acetate		70674-74-7	GADSL 2023 #176(PFAS)
Observation	1,2-Dichlorohexafluorocyclopentene		706-79-6	GADSL 2023 #176(PFAS)
Observation	Perfluoro(4-[(4-ethyl-3,4-dimethylhex-2-en-2-yl)oxy])benzene-1-sulfonate tributylammonium		70729-63-4	GADSL 2023 #176(PFAS)
Observation	Acetic acid, [1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]difluoro-, polymer with tetrafluoroethene		70776-76-0	GADSL 2023 #176(PFAS)
Observation	Propanoic acid, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, potassium salt, polymer with tetrafluoroethene		70788-53-3	GADSL 2023 #176(PFAS)
Observation	Ethanesulfinic acid, 2-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with tetrafluoroethene		70815-05-3	GADSL 2023 #176(PFAS)
Observation	Propan-2-yl heptadecafluorononanoate		70910-41-7	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Poly(difluoromethylene), .alpha.-[2-(acetyloxy)-2-[(carboxymethyl)dimethylammonio]ethyl]-.omega.-fluoro-, hydroxide, inner salt		71002-41-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2,2,5,5-tetramethylhexane		71076-47-6	GADSL 2023 #176(PFAS)
Observation	4-[(1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-Heptadecafluorononon-1-en-1-yl)oxy]benzene-1-sulfonic acid		71212-45-8	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-iodoethyl)-		71215-70-8	GADSL 2023 #176(PFAS)
Observation	Furan, 2,2,3,3,4,4-hexafluorotetrahydro-5-(2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl)-		71302-72-2	GADSL 2023 #176(PFAS)
Observation	Perfluoro(7-methyl-1-octanesulfonic acid)		71500-44-2	GADSL 2023 #176(PFAS)
Observation	1,2-Benzenedicarboxylic acid, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, diethyl ester		71550-47-5	GADSL 2023 #176(PFAS)
Observation	6,11,14,17-Tetraoxa-7-silaeicos-1-yn-3-ol, 7,7-dibutyl-13,15,15,16,18,18,19,19,20,20,20-undecafluoro-3-methyl-13,16-bis(trifluoromethyl)-		717825-76-8	GADSL 2023 #176(PFAS)
Observation	Propanenitrile, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		71832-66-1	GADSL 2023 #176(PFAS)
Observation	alpha,alpha-Bis(trifluoromethyl)benzyl alcohol		718-64-9	GADSL 2023 #176(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, N-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]carbamates		721399-20-8	GADSL 2023 #176(PFAS)
Observation	2-[Methyl[(perfluorododecyl)ethylsulfonyl]amino]ethyl 2-propenoate		72276-06-3	GADSL 2023 #176(PFAS)
Observation	2-[Methyl[(perfluorotetradecyl)ethylsulfonyl]amino]ethyl 2-propenoate		72276-07-4	GADSL 2023 #176(PFAS)
Observation	2-[Methyl[(perfluorohexadecyl)ethylsulfonyl]amino]ethyl 2-propenoate		72276-08-5	GADSL 2023 #176(PFAS)
Observation	2-(2,4-Di-tert-pentylphenoxy)-3'-hydroxy-4'-[(5H-perfluorovaleryl)amino]hexananilide		72494-14-5	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,5,5-Octafluorooctyl pentanoate		72828-80-9	GADSL 2023 #176(PFAS)
Observation	2-Butenedioic acid, mono(2,2,3,3-tetrafluoropropyl) ester, sodium salt, polymer with ethenylbenzene and disodium 2-butenedioate		72845-29-5	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	72869-27-3 (name too long)		72869-27-3	GADSL 2023 #176(PFAS)
Observation	Butanedioic acid, 2-sulfo-, 1,4-bis(mixed 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl and 2,2,3,3,4,4,5,5-octafluoropentyl) esters, sodium salts		72905-91-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro-3,6-dimethyl-1,4-dioxan-2-one		7309-84-4	GADSL 2023 #176(PFAS)
Observation	Perfluorooctane sulfonamido ammonium bromide		73149-44-7	GADSL 2023 #176(PFAS)
Observation	(2-Carboxyethyl)-3-(((perfluoro-7-methyloctyl)2-hydroxypropyl)amino)propyldimethylammonium hydroxide		73353-25-0	GADSL 2023 #176(PFAS)
Observation	4-Fluoro-5-oxo-2,4-bis(trifluoromethyl)-1,3-Dioxolane-2-carbonyl fluoride		7345-49-5	GADSL 2023 #176(PFAS)
Observation	4,4,5-Trifluoro-2,5-bis(trifluoromethyl)-1,3-Dioxolane-2-carbonyl fluoride		7385-65-1	GADSL 2023 #176(PFAS)
Observation	1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene		74398-72-4	GADSL 2023 #176(PFAS)
Observation	Phosphoric acid, .gamma.-.omega.-perfluoro-C8-16-alkyl esters, compds. with diethanolamine		74499-44-8	GADSL 2023 #176(PFAS)
Observation	Propane, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]-, polymer with 1,1-difluoroethene and tetrafluoroethene		74499-68-6	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene, 1,1,2,2-tetrafluoroethene and 3-(1,1,2,2-tetrafluoroethoxy)-1-propene		74499-69-7	GADSL 2023 #176(PFAS)
Observation	1-Propene, 3-(1,1,2,2-tetrafluoroethoxy)-, polymer with ethene and 1,1,2,2-tetrafluoroethene		74499-70-0	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]propane and tetrafluoroethene		74499-71-1	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,3,3,3-Heptafluoropropan-2-yl 2-methylprop-2-enoate		7459-59-8	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-[[(3,5-dimethyl-1H-pyrazol-1-yl)carbonyl]amino]ethyl ester, polymer with chloroethene, octadecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-		746622-86-6	GADSL 2023 #176(PFAS)
Observation	BIS-AF-Sodium salt		74938-83-3	GADSL 2023 #176(PFAS)
Observation	1-Propanesulfonic acid, 3-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]-, sodium salt		75032-81-4	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	(1H,1H,7H-perfluoroheptyl)-2-sulfohexadecanoate sodium salt		75032-94-9	GADSL 2023 #176(PFAS)
Observation	L-Glutamic acid, N-[(heptadecafluorooctyl)sulfonyl]-, disodium salt		75032-95-0	GADSL 2023 #176(PFAS)
Observation	{[(Perfluorooctyl)sulfonyl]amino}-3-betaine		75046-16-1	GADSL 2023 #176(PFAS)
Observation	Undecafluoroiodopentane		75330-20-0	GADSL 2023 #176(PFAS)
Observation	Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, ether with 2,2-dimethyl-1,3-propanediol (2:1)		753501-40-5	GADSL 2023 #176(PFAS)
Observation	Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane		753501-43-8	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoropropene		754-12-1	GADSL 2023 #176(PFAS)
Observation	Ethene, 1-[difluoro(1,1,2,2,2-pentafluoroethoxy)methoxy]-1,2,2-trifluoro-, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		754191-93-0	GADSL 2023 #176(PFAS)
Observation	Heptafluoropropyl iodide		754-34-7	GADSL 2023 #176(PFAS)
Observation	2,4,6,8,9-Pentachloro-2,3,3,4,5,5,6,7,7,8,9,9-dodecafluorononanoic acid		754-87-0	GADSL 2023 #176(PFAS)
Observation	Perfluorooctanesulfonamide		754-91-6	GADSL 2023 #176(PFAS)
Observation	5-Chloro-1,1,2,2,3,3,4,4-octafluoropentane		755-21-5	GADSL 2023 #176(PFAS)
Observation	Methyl 2,2,3,3-tetrafluoro-3-methoxypropionate		755-73-7	GADSL 2023 #176(PFAS)
Observation	Flupropanate		756-09-2	GADSL 2023 #176(PFAS)
Observation	1,1,1,3,4,4,4-Heptafluoro-3-(trifluoromethyl)butan-2-one		756-12-7	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2-methyl-3-pentanone		756-13-8	GADSL 2023 #176(PFAS)
Observation	Benzyltriphenylphosphanium 4-[1,1,1,3,3,3- hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]benzen-1-olate		75768-65-9	GADSL 2023 #176(PFAS)
Observation	Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[1,2,2,2-tetrafluoro-1-[[(2-hydroxyethyl)amino]carbonyl]ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		75888-49-2	GADSL 2023 #176(PFAS)
Observation	9-H-Perfluorononanoic acid		76-21-1	GADSL 2023 #176(PFAS)
Observation	2,2,3,3-Tetrafluoro-1-propanol		76-37-9	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2,2,3,3-Tetrafluorooxetane		765-63-9	GADSL 2023 #176(PFAS)
Observation	Perfluoro(oxacyclopentane)		773-14-8	GADSL 2023 #176(PFAS)
Observation	Perfluorotetrakis(carboxyethoxymethyl) methane tetramethyl ester		773148-75-7	GADSL 2023 #176(PFAS)
Observation	3,4,4-Trifluoro-3-(trifluoromethyl)-1,2lambda~6~-oxathietane-2,2-dione		773-15-9	GADSL 2023 #176(PFAS)
Observation	Methyl 7,7,8,9,9,9-hexafluorononanoate		77456-15-6	GADSL 2023 #176(PFAS)
Observation	3-(Chlorosulfonyl)-2,2,3,3-tetrafluoropropanoyl chloride		77545-04-1	GADSL 2023 #176(PFAS)
Observation	2,2,3,3-Tetrafluoro-3-(fluorosulfonyl)propanoyl fluoride		77545-05-2	GADSL 2023 #176(PFAS)
Observation	Perfluoro(3-{[1-(ethenyloxy)propan-2-yl]oxy}propane-1-sulfonyl) fluoride		77545-07-4	GADSL 2023 #176(PFAS)
Observation	1,1,2,2-Tetrafluoro-2-iodoethyl sulfurofluoridate		77570-00-4	GADSL 2023 #176(PFAS)
Observation	Methyl 2,2,3,3-tetrafluoro-3-(methylsulfanyl)propanoate		77705-91-0	GADSL 2023 #176(PFAS)
Observation	2,2,3,3-Tetrafluoro-3-(methylsulfanyl)propanoyl fluoride		77705-93-2	GADSL 2023 #176(PFAS)
Observation	3-(Methylsulfanyl)-perfluoro(1-(ethenyloxy))propane		77706-02-6	GADSL 2023 #176(PFAS)
Observation	[{3-[(Perfluorononanoyl)amino]propyl}(dimethyl)ammonio]acetate		77958-18-0	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,3,4,4-Octafluoro-4-iodobutyl sulfurofluoridate		78522-70-0	GADSL 2023 #176(PFAS)
Observation	Trichloro(1,1,2,2,3,3,6,6,6-nonafluorohexyl)silane		78560-47-1	GADSL 2023 #176(PFAS)
Observation	Bis(2-(perfluoro-7-methyloctyl)ethyl) hydrogen phosphate		78974-41-1	GADSL 2023 #176(PFAS)
Observation	8:2 Fluorotelomer 9-(trifluoromethyl)-dihydrogen phosphate		78974-42-2	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene),alpha-chloro-omega-(2,2-dichloro-1,1,2-trifluoroethyl)-		79070-11-4	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), alpha-fluoro-omega-[2-sulphoethyl)-		80010-37-3	GADSL 2023 #176(PFAS)
Observation	Difluoro(1,1,2,2-tetrafluoro-2-iodoethoxy)acetyl fluoride		80016-48-4	GADSL 2023 #176(PFAS)
Observation	4,4,5,5,6,6,7,7,7-Nonafluoro-2-iodoheptan-1-ol		80233-96-1	GADSL 2023 #176(PFAS)
Observation	1,3-Benzenedimethanol, .alpha.1,.alpha.1,.alpha.3,.alpha.3-tetrakis(trifluoromethyl)-		802-93-7	GADSL 2023 #176(PFAS)
Observation	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-Pentacosafluoro-2-iodopentadecan-1-ol		80459-24-1	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluoro(4-ethyl-3,4-dimethylhexane)		80632-82-2	GADSL 2023 #176(PFAS)
Observation	1,3-Dioxolane, 2-(difluoromethylene)-4,4,5-trifluoro-5-(trifluoromethyl)-, polymer with 1,1-difluoroethene		80879-54-5	GADSL 2023 #176(PFAS)
Observation	2-(2,2,3,3,4,4,5,5,5-Nonafluoropentyl)oxirane		81190-28-5	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,3,4,4,4-Nonafluoro-N-(4-hydroxybutyl)-N-methylbutane-1-sulphonamide		812-94-2	GADSL 2023 #176(PFAS)
Observation	1,1,2,3,3,4,4,5,5,6,6,7,8,8-Tetradecafluoroocta-1,7-diene		812-97-5	GADSL 2023 #176(PFAS)
Observation	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-Pentacosafluorotetradecan-1-amine		81313-57-7	GADSL 2023 #176(PFAS)
Observation	Bis(perfluoroisopropyl)ketone		813-44-5	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,4,4,5,5,6,6,6-Undecafluoro-2-(trifluoromethyl)-3-hexanone		813-45-6	GADSL 2023 #176(PFAS)
Observation	2-[Methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, polymer with 1,1-dichloroethene and octadecyl 2-methyl-2-propenoate		819069-74-4	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl(C4-C14)carbonyl aminopropyl trimethyl ammonium iodide		82030-81-7	GADSL 2023 #176(PFAS)
Observation	N,N-Dimethyl-N-(perfluoroalkyl(C4-14)carbonylaminopropyl)-.alpha.-acetic acid betaine		82030-83-9	GADSL 2023 #176(PFAS)
Observation	Surflon S 141 (perfluoroalkylamine oxide)		82030-84-0	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl(C4-14)carbonyl aminomethoxy polyethylene oxide		82030-85-1	GADSL 2023 #176(PFAS)
Observation	Sodium 2-(((perfluorohexyl)ethyloxy)carbonylamino)ethylsulfanylsulfonate		82199-07-3	GADSL 2023 #176(PFAS)
Observation	2-(Perfluorohexyl)-1-ethanol 1-(hydrogen sulfate)		82711-15-7	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,3-hexafluoropropane-1,3-disulfonyldifluoride		82727-16-0	GADSL 2023 #176(PFAS)
Observation	3-(1,1,2,2-Tetrafluoroethoxy)-benzenamine		831-75-4	GADSL 2023 #176(PFAS)
Observation	2,2-Bis(3-amino-4-hydroxyphenyl)-hexafluoropropane		83558-87-6	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), ?-[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]-?-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(triSfluoromethyl)-1-butenyl]oxy]-		83563-58-0	GADSL 2023 #176(PFAS)
Observation	(2E)-4,5,5,5-Tetrafluoro-4-(trifluoromethyl)pent-2-en-1-ol		83706-95-0	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	(2E)-4,4,5,5,6,6,7,7,7-Nonafluorohept-2-en-1-ol		83706-96-1	GADSL 2023 #176(PFAS)
Observation	(2Z)-4,5,5,5-Tetrafluoro-4-(trifluoromethyl)pent-2-en-1-ol		83706-99-4	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), ?-methyl-?-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]oxy]-		83731-88-8	GADSL 2023 #176(PFAS)
Observation	Potassium 2,2,3,3-tetrafluoro-3-(heptafluoropropoxy)propionate		84100-11-8	GADSL 2023 #176(PFAS)
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, 5-(trifluoromethyl)-2-pyridinyl ethers		844491-91-4	GADSL 2023 #176(PFAS)
Observation	N-(4-Amino-2-hydroxyphenyl)-2,2,3,3,4,4,4-heptafluorobutyramide		847-51-8	GADSL 2023 #176(PFAS)
Observation	Heptane, 1,1,1,2,3,3,4,5,5,6,7,7,7-tridecafluoro-2,4,6-tris(trifluoromethyl)-		84808-63-9	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1,1,2,3,3,3-heptafluoro-2-(trifluoroethenyl)oxypropane and tetrafluoroethene		85177-88-4	GADSL 2023 #176(PFAS)
Observation	Potassium perfluorododecanesulfonate		85187-17-3	GADSL 2023 #176(PFAS)
Observation	N-[[4-[(Heptadecafluorononenyl)oxy]phenyl]sulfonyl]-N-methylglycine sodium salt		85228-95-1	GADSL 2023 #176(PFAS)
Observation	Sodium 4-{[(4E)-4,6-dimethylhept-4-en-3-yl]oxy}benzene-1-sulfonate		85284-15-7	GADSL 2023 #176(PFAS)
Observation	Sodium 4-(perfluoro(2-methylpent-2-en-3-yl)oxy)benzene-1-sulfonate		85284-17-9	GADSL 2023 #176(PFAS)
Observation	N-[3-(Methylamino)propyl]perfluorohexanesulfonamide		85520-91-8	GADSL 2023 #176(PFAS)
Observation	(2H-Perfluoroethoxy)methyloxirane		85567-21-1	GADSL 2023 #176(PFAS)
Observation	Ethanesulfonic acid, 2-[1-[difluoro[(trifluoroethenyl)oxymethyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, sodium salt polymer with tetrafluoroethene		85600-80-2	GADSL 2023 #176(PFAS)
Observation	(3-(((Heptadecafluorooctyl)sulphonyl)amino)propyl)trimethylammonium hydroxide		85665-67-4	GADSL 2023 #176(PFAS)
Observation	Perfluoro(2-bromoethoxy)ethene		85737-06-0	GADSL 2023 #176(PFAS)
Observation	((Perfluorobutyl)ethyl)trimethoxysilane		85877-79-8	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Propane, 1-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-, polymer with 1,1,2,2-tetrafluoroethene		86414-61-1	GADSL 2023 #176(PFAS)
Observation	Hexaflumuron		86479-06-3	GADSL 2023 #176(PFAS)
Observation	Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 2-methyloxirane, 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, oxirane and tetrahydrofuran		864910-70-3	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,4,4,5,5,5-Undecafluoro-3-(trifluoromethyl)pentane		865-71-4	GADSL 2023 #176(PFAS)
Observation	Perfluoroisononyl iodide		865-77-0	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,2,3,3,5,6,6,6-Undecafluoro-4,4,5-tris(trifluoromethyl)hexane		86714-23-0	GADSL 2023 #176(PFAS)
Observation	1,4-bis(3-Chloro-2-hydroxypropyl) 2,5-bis[2-[[(perfluorooctyl)sulfonyl]propylamino]ethyl] 1,2,4,5-benzenetetracarboxylate		86960-56-7	GADSL 2023 #176(PFAS)
Observation	Propane, 1-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2,3,3,3-heptafluoro-, polymer with (2-bromo-1,1,2, 2-tetrafluoroethoxy)trifluoroethene and 1,1-difluoroethene		86999-93-1	GADSL 2023 #176(PFAS)
Observation	2,2,3,3,4,4,5,5,6-Nonafluoro-1-(heptafluoropropyl)-6-(trifluoromethyl)piperidine		87042-39-5	GADSL 2023 #176(PFAS)
Observation	1,1,1,2,3,3-Hexafluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)pentane		870778-34-0	GADSL 2023 #176(PFAS)
Observation	1,2-dichloro(perfluoro-1-(methoxymethoxy)ethane)		874288-98-9	GADSL 2023 #176(PFAS)
Observation	Ethene, 1-[difluoro(trifluoromethoxy)methoxy]-1,2,2-trifluoro-, polymer with 1,1,2,2-tetrafluoroethene		874288-99-0	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1,2,2-tetrafluoroethene, 1,1,2-trifluoro-2-(1,1,2,2,2-pentafluoroethoxy)ethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		878545-84-7	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, Me 3,3,4,4,5,5,6,6,6-nonafluorohexyl-		882878-48-0	GADSL 2023 #176(PFAS)
Observation	Bis(3-chloro-2,2,3,3-tetrafluoropropionyl) peroxide		88505-66-2	GADSL 2023 #176(PFAS)
Observation	Carbonic dichloride, reaction products with reduced ammonia-Me esters of reduced polymd. oxidized tetrafluoroethylene reaction product		88645-28-7	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced		88645-29-8	GADSL 2023 #176(PFAS)
Observation	26,27,27,27-Tetrafluoro-25-(1,1,1,2,3,3,3-heptafluoro-2-propanyl)-24,26-bis(trifluoromethyl)-2,5,8,11,14,17,20,23-octaoxaheptacos-24-ene		88987-13-7	GADSL 2023 #176(PFAS)
Observation	Undecafluoropentyl 2-methylprop-2-enoate		89004-77-3	GADSL 2023 #176(PFAS)
Observation	Difluoro(1,1,2,2-tetrafluoroethoxy)acetyl fluoride		89076-47-1	GADSL 2023 #176(PFAS)
Observation	Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane		89461-13-2	GADSL 2023 #176(PFAS)
Observation	Ethene, 1-chloro-1,2,2-trifluoro-, homopolymer		9002-83-9	GADSL 2023 #176(PFAS)
Observation	Polytetrafluoroethylene		9002-84-0	GADSL 2023 #176(PFAS)
Observation	1,1-Difluorethylene-hexafluorpropene polymer		9011-17-0	GADSL 2023 #176(PFAS)
Observation	Copolymer of 2,2,3,3,3-pentafluoropropyl methacrylate/methyl methacrylate/methacrylic acid (The contents of component having molecular weight less than 1,000 is not more than 1 percent)		90267-56-4	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl acrylate-, copolymer		90451-86-8	GADSL 2023 #176(PFAS)
Observation	Perfluoro(2-ethoxy-2-fluoroethoxy)acetic acid ammonium salt		908020-52-0	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 1,1'-[2,2-bis[difluoro[1,1,2,2-tetrafluoro-3-[(1-oxo-2-propen-1-yl)oxy]propoxy]methyl]-1,1,3,3-tetrafluoro-1,3-propan ediyl]bis[oxy(2,2,3,3-tetrafluoro-3,1-propanediyl)] ester		912841-29-3	GADSL 2023 #176(PFAS)
Observation	2,4,6-Tris(heptafluoropropyl)-1,3,5-triazine		915-76-4	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1,1,2,3,3-pentafluoro-3-(1,1,2,2,3,3,3-heptafluoropropoxy)-		91891-42-8	GADSL 2023 #176(PFAS)
Observation	4,8-Dioxa-3H-perfluorononanoic acid		919005-14-4	GADSL 2023 #176(PFAS)
Observation	2H-Perfluoro-2-propanol		920-66-1	GADSL 2023 #176(PFAS)
Observation	Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-ethoxyethyl 2-propenoate, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl-2-propenoate and oxiranylmethyl 2-methyl-2-propenoate		92265-81-1	GADSL 2023 #176(PFAS)
Observation	Phosphoric acid, bis(gamma-mu-perfluoro-C8-14-alkyl) esters, compds. with diethanolamine		92332-25-7	GADSL 2023 #176(PFAS)
Observation	Phosphoric acid, mono(gamma-mu-perfluoro-C8-14-alkyl) esters, compds. with diethanolamine		92332-26-8	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluorocyclopropane		931-91-9	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2-methyl-2-(pentyloxy)pentane		93200-92-1	GADSL 2023 #176(PFAS)
Observation	Copolymer of tetrafluoroethylene/hexafluoropropene/ nonafluorobutyl trifluorovinyl ether (a number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, lipid soluble solvent, usual solvent, acid and alkali)		93611-23-5	GADSL 2023 #176(PFAS)
Observation	Perfluoro-2-(trifluoromethyl)propanesulfonic acid		93762-09-5	GADSL 2023 #176(PFAS)
Observation	Potassium 1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)propanesulfonate		93762-10-8	GADSL 2023 #176(PFAS)
Observation	Ammonium bis(2-(perfluorododecyl)ethyl) phosphate		93776-22-8	GADSL 2023 #176(PFAS)
Observation	Bis((perfluoro-13-methyltetradecyl)ethyl) hydrogen phosphate		93776-29-5	GADSL 2023 #176(PFAS)
Observation	(2-Carboxylatoethyl)-3-((perfluoro-9-methyldecyl)-2-hydroxypropyl)aminopropyldimethylammonium		93777-12-9	GADSL 2023 #176(PFAS)
Observation	Ammonium bis((perfluorotetradecyl)ethyl) phosphate		93777-13-0	GADSL 2023 #176(PFAS)
Observation	Ethenyl benzoate polymer with 2-butenoic acid, ethenyl 2,2-dimethylpropanoate, 4-(ethenyloxy)-1-butanol, 2-methyl-1-propene and 1,1,2,2-tetrafluoroethene, dihydrogen 1,2,4-benzenetricarboxylate, compd. with N,N-diethylethanamine		938155-33-0	GADSL 2023 #176(PFAS)
Observation	(Perfluoro-13-methyltetradecyl)ethyl dihydrogen phosphate		93857-42-2	GADSL 2023 #176(PFAS)
Observation	12:2 Fluorotelomer dihydrogen phosphate (ester), diammonium salt		93857-46-6	GADSL 2023 #176(PFAS)
Observation	14:2 Fluorotelomer dihydrogen phosphate diammonium salt		93857-47-7	GADSL 2023 #176(PFAS)
Observation	16:2 Fluorotelomer phosphate		93857-48-8	GADSL 2023 #176(PFAS)
Observation	Diammonium (perfluoro-7-methyloctyl)ethyl phosphate		93857-49-9	GADSL 2023 #176(PFAS)
Observation	Diammonium (perfluoro-9-methyldecyl)ethyl phosphate		93857-50-2	GADSL 2023 #176(PFAS)
Observation	Bis((perfluorotetradecyl)ethyl) hydrogen phosphate		93857-53-5	GADSL 2023 #176(PFAS)
Observation	Bis((perfluorohexadecyl)ethyl) hydrogen phosphate		93857-54-6	GADSL 2023 #176(PFAS)
Observation	Bis((perfluoro-9-methyldecyl)ethyl) phosphate		93857-55-7	GADSL 2023 #176(PFAS)
Observation	Bis((perfluoro-11-methyldodecyl)ethyl) hydrogen phosphate		93857-56-8	GADSL 2023 #176(PFAS)
Observation	Isooctanesulfonamide, heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-		93894-65-6	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Isooctanesulfonamide, heptadecafluoro-N,N-bis(2-hydroxyethyl)-		93894-66-7	GADSL 2023 #176(PFAS)
Observation	Isooctanesulfonic acid, heptadecafluoro-, lithium salt		93894-67-8	GADSL 2023 #176(PFAS)
Observation	Isooctanesulfonic acid, heptadecafluoro-, potassium salt		93894-68-9	GADSL 2023 #176(PFAS)
Observation	Tetradecanoic acid, 1,1'-(methyl(3,3,4,4,5,5,6,6,6-nonafluorohexyl)silylene) ester		94094-26-5	GADSL 2023 #176(PFAS)
Observation	Sodium 3-[[3-(dimethylamino)propyl][(perfluorooctyl) sulfonyl]amino]-2-hydroxypropanesulfonate		94133-90-1	GADSL 2023 #176(PFAS)
Observation	3-((Perfluorooctylsulfonyl)-2-hydroxy-3-sulfopropylamino)-N-(2-hydroxyethyl)-N,N-dimethyl-1-propanaminium monosodium hydroxide		94133-91-2	GADSL 2023 #176(PFAS)
Observation	((Perfluorododecyl)methyl)oxirane		94158-66-4	GADSL 2023 #176(PFAS)
Observation	((Perfluorotetradecyl)methyl)oxirane		94158-67-5	GADSL 2023 #176(PFAS)
Observation	((Perfluorohexadecyl)methyl)oxirane		94158-68-6	GADSL 2023 #176(PFAS)
Observation	(Perfluorooctyl)-2-hydroxypropyl dihydrogen phosphate		94158-69-7	GADSL 2023 #176(PFAS)
Observation	3-(Perfluorohexadecyl)-2-hydroxypropyl dihydrogen phosphate		94200-44-9	GADSL 2023 #176(PFAS)
Observation	Diammonium 3-(perfluorohexadecyl)-2-hydroxypropyl dihydrogen phosphate		94200-49-4	GADSL 2023 #176(PFAS)
Observation	Diammonium 3-(perfluoro-15-methylhexadecyl)-2-hydroxypropyl dihydrogen phosphate		94200-53-0	GADSL 2023 #176(PFAS)
Observation	14:2 Fluorotelomer dihydrogen phosphate		94200-54-1	GADSL 2023 #176(PFAS)
Observation	16:2 Fluorotelomer dihydrogen phosphate		94200-55-2	GADSL 2023 #176(PFAS)
Observation	(Perfluoro-9-methyldecyl)ethyl dihydrogen phosphate		94200-56-3	GADSL 2023 #176(PFAS)
Observation	((Perfluoro-11-methyldodecyl)ethyl) dihydrogen phosphate		94200-57-4	GADSL 2023 #176(PFAS)
Observation	Poly(1-pentene-2,3,3,4,4,5,5-heptafluoro-co-ethene-co-tetrafluoroethene)		94228-79-2	GADSL 2023 #176(PFAS)
Observation	(Z)-Octadec-9-enyl (5-(((2-(((perfluorooctyl)sulphonyl)methylamino)ethoxy)carbonyl)amino)-o-tolyl)carbamate		94313-84-5	GADSL 2023 #176(PFAS)
Observation	Silsesquioxanes, 3-aminopropyl 3,3,4,4,5,5,6,6,6-nonafluorohexyl, hydroxy-terminated acetates		943344-69-2	GADSL 2023 #176(PFAS)
Observation	Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonooxy)ethyl]-, ammonium salt		95144-12-0	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with chlorotrifluoroethene, 1,1-difluoroethene and tetrafluoroethene		95325-75-0	GADSL 2023 #176(PFAS)
Observation	2-Methoxyperfluoro(2,5-di(propan-2-yl)oxolane)		957209-18-6	GADSL 2023 #176(PFAS)
Observation	Methyl perfluoro-3-(3-methoxypropoxy)-3H-propanoate		958445-54-0	GADSL 2023 #176(PFAS)
Observation	1,3-Benzenedicarboxylic acid, 5-[(heptadecafluorononenyl)oxy]-		96210-37-6	GADSL 2023 #176(PFAS)
Observation	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propyl 2-fluoroprop-2-enoate		96250-49-6	GADSL 2023 #176(PFAS)
Observation	.alpha.-[2-Hydroxy-3-[.alpha.-perfluoroisopropylpoly(degree of polymerization 7-15)(difluoromethylene)]propyl]-.omega.-methoxy-poly(degree of polymerization 1-25)(oxyethylene)		96353-69-4	GADSL 2023 #176(PFAS)
Observation	Calcium perfluoroundecanoate		97163-17-2	GADSL 2023 #176(PFAS)
Observation	5-{[1,1,1,4,5,5,5-Heptafluoro-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-4-(trifluoromethyl)pent-2-en-2-yl]oxy}benzene-1,3-dicarboxylic acid		97220-62-7	GADSL 2023 #176(PFAS)
Observation	Thiocyanic acid, .gamma.-.omega.-perfluoro-C4-20-alkyl esters		97553-95-2	GADSL 2023 #176(PFAS)
Observation	Alkenes, C8-14 alpha-,delta-omega-perfluoro-		97659-47-7	GADSL 2023 #176(PFAS)
Observation	Bis(1H,1H,6H-perfluorohexyl)-2-sulfobutanedioate sodium salt		98151-22-5	GADSL 2023 #176(PFAS)
Observation	1-Butanol, 4-(ethenyloxy)-, polymer with 1-chloro-1,2,2-trifluoroethene and ethoxyethene		98728-78-0	GADSL 2023 #176(PFAS)
Observation	Sodium Perfluorononanesulfonate		98789-57-2	GADSL 2023 #176(PFAS)
Observation	Sulfonamides, C7-8-alkane, perfluoro, N-methyl-N-[2-[(1-oxo-2-propenyl)oxy]ethyl], polymers with 2-ethoxyethyl acrylate, glycidyl methacrylate and N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethanaminium chloride		98999-57-6	GADSL 2023 #176(PFAS)
Observation	Propyl perfluorononanoate		99156-01-1	GADSL 2023 #176(PFAS)
Observation	AFMU		NA	GADSL 2023 #176(PFAS)
Observation	PVF		NA	GADSL 2023 #176(PFAS)
Observation	FKM		NA	GADSL 2023 #176(PFAS)
Observation	FVMQ		NA	GADSL 2023 #176(PFAS)
Observation	FEP		NA	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	FEPM		NA	GADSL 2023 #176(PFAS)
Observation	FFKM		NA	GADSL 2023 #176(PFAS)
Observation	FMQ		NA	GADSL 2023 #176(PFAS)
Observation	FZ		NA	GADSL 2023 #176(PFAS)
Observation	ETFE		NA	GADSL 2023 #176(PFAS)
Observation	PCTFE		NA	GADSL 2023 #176(PFAS)
Observation	PFA		NA	GADSL 2023 #176(PFAS)
Observation	PFEP		NA	GADSL 2023 #176(PFAS)
Observation	PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PVDF		NA	GADSL 2023 #176(PFAS)
Observation	FAA		NA	GADSL 2023 #176(PFAS)
Observation	PTFE-Fibre		NA	GADSL 2023 #176(PFAS)
Observation	POM+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PI+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PAI+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA6T/XT+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA66+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PVDFX		NA	GADSL 2023 #176(PFAS)
Observation	ETFEX		NA	GADSL 2023 #176(PFAS)
Observation	LCP+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PTFE+LCP		NA	GADSL 2023 #176(PFAS)
Observation	FMACP		NA	GADSL 2023 #176(PFAS)
Observation	PA6+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PTFE+PA6		NA	GADSL 2023 #176(PFAS)
Observation	PA612+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PTFE+PA612		NA	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	PA+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PTFE+PA		NA	GADSL 2023 #176(PFAS)
Observation	PBT+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PTFE+PBT		NA	GADSL 2023 #176(PFAS)
Observation	PET+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PTFE+PET		NA	GADSL 2023 #176(PFAS)
Observation	PCT+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PTFE+PCT		NA	GADSL 2023 #176(PFAS)
Observation	FPAK		NA	GADSL 2023 #176(PFAS)
Observation	MF+PAI+PAK+FEP		NA	GADSL 2023 #176(PFAS)
Observation	FEP+MF+PAI+PAK		NA	GADSL 2023 #176(PFAS)
Observation	PAK+FEP+MF+PAI		NA	GADSL 2023 #176(PFAS)
Observation	PAI+PAK+FEP+MF		NA	GADSL 2023 #176(PFAS)
Observation	PAI+MF+PAK+FEP		NA	GADSL 2023 #176(PFAS)
Observation	FEP+PAI+MF+PAK		NA	GADSL 2023 #176(PFAS)
Observation	PAK+FEP+PAI+MF		NA	GADSL 2023 #176(PFAS)
Observation	MF+PAK+FEP+PAI		NA	GADSL 2023 #176(PFAS)
Observation	MF+PAK+PAI+FEP		NA	GADSL 2023 #176(PFAS)
Observation	FEP+MF+PAK+PAI		NA	GADSL 2023 #176(PFAS)
Observation	PAI+FEP+MF+PAK		NA	GADSL 2023 #176(PFAS)
Observation	PAK+PAI+FEP+MF		NA	GADSL 2023 #176(PFAS)
Observation	MF+PAI+FEP+PAK		NA	GADSL 2023 #176(PFAS)
Observation	PAK+MF+PAI+FEP		NA	GADSL 2023 #176(PFAS)
Observation	FEP+PAK+MF+PAI		NA	GADSL 2023 #176(PFAS)
Observation	PAI+FEP+PAK+MF		NA	GADSL 2023 #176(PFAS)
Observation	PAK+PAI+MF+FEP		NA	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	FEP+PAK+PAI+MF		NA	GADSL 2023 #176(PFAS)
Observation	MF+FEP+PAK+PAI		NA	GADSL 2023 #176(PFAS)
Observation	FEP+PAI+PAK+MF		NA	GADSL 2023 #176(PFAS)
Observation	MF+FEP+PAI+PAK		NA	GADSL 2023 #176(PFAS)
Observation	PAK+MF+FEP+PAI		NA	GADSL 2023 #176(PFAS)
Observation	PAI+PAK+MF+FEP		NA	GADSL 2023 #176(PFAS)
Observation	PE+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	ECTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA12-I+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA10T/X+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA12+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA6+PA66+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA6+PA66-I+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA6T/66+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA6T/66-I+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA10T/X-I+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PA66+PA6+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	PPS+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	Fluorosiloxane resin		NA	GADSL 2023 #176(PFAS)
Observation	PMMA-F		NA	GADSL 2023 #176(PFAS)
Observation	PE-F		NA	GADSL 2023 #176(PFAS)
Observation	PC+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	FFKO		NA	GADSL 2023 #176(PFAS)
Observation	PEI+PTFE		NA	GADSL 2023 #176(PFAS)
Observation	1,1,1-Trifluoroethane 1-Iodo-3,5-bis(trifluoromethyl)benzene	1,1,1-ﾄﾘﾌﾙｵﾛｴﾀﾝ	420-46-2	GADSL 2023 #176(PFAS)
Observation	1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-		102687-65-0	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1H-Indene, 5-[4'-[difluoro(3,4,5-trifluorophenoxy)methyl]-2,3',5'-trifluoro[1,1'-biphenyl]-4-yl]-2,3-dihydro-2-propyl-		1357385-67-1	GADSL 2023 #176(PFAS)
Observation	2,2,2-Trifluoroethanol		75-89-8	GADSL 2023 #176(PFAS)
Observation	2,2,2-Trifluoroethyl acrylate		407-47-6	GADSL 2023 #176(PFAS)
Observation	2,4,6,8-Tetramethyl-2,4,6,8-tetrakis(3,3,3-trifluoropropyl)cyclotetrasiloxane		429-67-4	GADSL 2023 #176(PFAS)
Observation	2,4,6-Trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)cyclotrisiloxane		2374-14-3	GADSL 2023 #176(PFAS)
Observation	2-Ethoxyethyl 2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy)propionate		87237-48-7	GADSL 2023 #176(PFAS)
Observation	2-Naphthalenecarboxamide, N,N'-(2,5-dichloro-1,4-phenylene)bis(4-((2-chloro-5-(trifluoromethyl)phenyl)azo)-3-hydroxy-		52238-92-3	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2,2,2-trifluoroethyl ester, homopolymer		54802-79-8	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymers with N-(butoxymethyl)-2-methyl-2-propenamide, N-(hydroxymethyl)-2-methyl-2-propenamide, .delta.-.omega.-perfluoro-C8-14-alkyl acrylate and stearyl acrylate		628723-87-5	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester 2-Propenoic acid, hexafluorobutyl ester		139322-97-7	GADSL 2023 #176(PFAS)
Observation	2-[difluoro(3,4,5-trifluorophenoxy)methyl]-1,3-difluoro-5-[2-fluoro-4-(4-propylphenyl)phenyl]benzene		303186-36-9	GADSL 2023 #176(PFAS)
Observation	3-Pyridinecarbonitrile, 4-methyl-2,6-bis((4-methylphenyl)amino)-5-((2-(trifluoromethyl)phenyl)azo)-		669005-94-1	GADSL 2023 #176(PFAS)
Observation	4-(difluoro(3,4,5-trifluorophenoxy)methyl)-3,5-difluoro-4'-propyl-1,1'-biphenyl		303186-20-1	GADSL 2023 #176(PFAS)
Observation	4-Chloro-alpha,alpha,alpha-trifluorotoluene		98-56-6	GADSL 2023 #176(PFAS)
Observation	Benzamide, 3,3'-((2-chloro-5-methyl-1,4-phenylene)bis(imino(1-acetyl-2-oxo-2,1-ethanediyl)azo))bis(4-chloro-N-(2-(4-chlorophenoxy)-5-(trifluoromethyl)phenyl)-		57971-97-8	GADSL 2023 #176(PFAS)
Observation	Benzamide, 3,3'-((2-chloro-5-methyl-1,4-phenylene)bis(imino(1-acetyl-2-oxo-2,1-ethanediyl)azo))bis(4-chloro-N-(2-(4-chlorophenoxy)-5-(trifluoromethyl)phenyl)-		79953-85-8	GADSL 2023 #176(PFAS)
Observation	Benzene, 1,3-bis(trifluoromethyl)-		402-31-3	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Benzene, 1-[(trans,trans)-4'-propyl[1,1'-bicyclohexyl]-4-yl]-4-(trifluoromethoxy)-		133937-72-1	GADSL 2023 #176(PFAS)
Observation	Cyclotetrasiloxane, 2-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoroundecyl)-2,4,6,8-tetramethyl- (9CI)		193425-63-7	GADSL 2023 #176(PFAS)
Observation	Ethene, chlorotrifluoro-, polymer with 1,1-difluoroethene		9010-75-7	GADSL 2023 #176(PFAS)
Observation	Lithium trifluoromethanesulphonate		33454-82-9	GADSL 2023 #176(PFAS)
Observation	Methanesulfonamide, 1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl)-, lithium salt		90076-65-6	GADSL 2023 #176(PFAS)
Observation	Methanesulfonic acid, 1,1,1-trifluoro-, calcium salt (2:1)		55120-75-7	GADSL 2023 #176(PFAS)
Observation	Methanesulfonic acid, trifluoro-, compd. with N,N-dioctyl-1-octanamine (1:1)		82052-13-9	GADSL 2023 #176(PFAS)
Observation	N-(2,3-Dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxo-2-[[2-(trifluoromethyl)phenyl]azo]butyramide		68134-22-5	GADSL 2023 #176(PFAS)
Observation	Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, reaction products with benzene, chlorine and sulfur chloride (S2Cl2)		921213-47-0	GADSL 2023 #176(PFAS)
Observation	Poly(oxy-1 ; 2-ethanedilyl), alpha-methyl--[(4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9-tridecafluoro-2-hydroxynonyl) oxy]-		1227060-33-4	GADSL 2023 #176(PFAS)
Observation	Poly[1,4-phenylene(1,1,2,2-tetrafluoro-1,2-ethanediyl)]		25669-37-8	GADSL 2023 #176(PFAS)
Observation	Propanamide, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-N-[3-(,4,6,8-tetramethylcyclotetrasiloxan-2-yl)propyl]- (9CI)		173524-60-2	GADSL 2023 #176(PFAS)
Observation	Propanamide, N-[3-(ethenyldimethylsilyl)phenyl]-2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-N-methyl- (9CI)		185438-14-6	GADSL 2023 #176(PFAS)
Observation	Propanenitrile, 3,3'-[[4-[[2-bromo-4-nitro-6-(trifluoromethyl)phenyl]azo]phenyl]imino]bis- (9CI)		246871-16-9	GADSL 2023 #176(PFAS)
Observation	Propanoyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)]bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, reaction produts with 3-(ethenyldimethylsilyl)-N-		166242-54-2	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, Me 3,3,3-trifluoropropyl, hydroxy- and vinyl group-terminated		110475-04-2	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, Me 3,3,3-trifluoropropyl, Me vinyl,hydroxy- and vinyl group-terminated		133649-92-0	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Siloxanes and Silicones, Me 3,3,3-trifluoropropyl		63148-56-1	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, ((ethenyldimethylsilyl)oxy)-terminated		68037-88-7	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, hydroxy-terminated		68607-77-2	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, Me vinyl, hydroxy-terminated		68952-02-3	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, Me hydrogen, Me 3,3,3-trifluoropropyl		67923-24-4	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, Me Ph, Me 3,3,3-trifluoropropyl		1643944-25-5	GADSL 2023 #176(PFAS)
Observation	Trans-1,3,3,3-tetrafluoropropene		1645-83-6	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl ethanol and methyl alcohol adducts of toluene diisocyanate.		44305	GADSL 2023 #176(PFAS)
Observation	Siloxanes and silicones, dimethyl, methylfluoroalkyl (PROVISIONAL).		46641	GADSL 2023 #176(PFAS)
Observation	Modified ethylene-tetrafluoro ethylene copolymer (PROVISIONAL).		60710	GADSL 2023 #176(PFAS)
Observation	Disubstituted tetrafluoroalkane.		62625	GADSL 2023 #176(PFAS)
Observation	Substituted tetrafluoroalkene.		67993	GADSL 2023 #176(PFAS)
Observation	Disubstituted tetrafluoroalkane.		68101	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl acrylate copolymer latex (PROVISIONAL).		70907	GADSL 2023 #176(PFAS)
Observation	Polyfluoroalkyl betaine (PROVISIONAL).		71217	GADSL 2023 #176(PFAS)
Observation	Fluorinated alkyl silane (PROVISIONAL).		71273	GADSL 2023 #176(PFAS)
Observation	2-Oxepanone, polymer with n-decanol and heptadecafluorodecanol, reaction product with benzene, diisocyanatomethyl (PROVISIONAL).		73940	GADSL 2023 #176(PFAS)
Observation	Fluoroalkylsiloxane hydrolyzate (PROVISIONAL).		74465	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl polyether (PROVISIONAL).		82623	GADSL 2023 #176(PFAS)
Observation	Fluoro elastomer (PROVISIONAL).		87639	GADSL 2023 #176(PFAS)
Observation	Modified fluoroalkyl urethane (PROVISIONAL).		89419	GADSL 2023 #176(PFAS)
Observation	Fluoro alkyl siloxane polymer (PROVISIONAL).		91748	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Siloxanes and silicones, dimethyl, methylfluoroalkyl (PROVISIONAL).		99333	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, methyl ester, polymer with poly(difluoromethylene), .omega.-(2-((1-oxo-2-propenyl)oxy)ethyl)- (PROVISIONAL).		100700	GADSL 2023 #176(PFAS)
Observation	Perfluoroelastomer (PROVISIONAL).		102659	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkenyltrialkylammonium salt (PROVISIONAL).		103129	GADSL 2023 #176(PFAS)
Observation	Fluorosiloxane polymer (PROVISIONAL).		104984	GADSL 2023 #176(PFAS)
Observation	Salt of perfluoro fatty acids (PROVISIONAL).		105590	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic ester polymer (PROVISIONAL).		107734	GADSL 2023 #176(PFAS)
Observation	Perfluoroelastomer (PROVISIONAL).		109649	GADSL 2023 #176(PFAS)
Observation	Fluorocarbon polymer (PROVISIONAL).		113758	GADSL 2023 #176(PFAS)
Observation	Copolymers of fluoroolefin and vinyl ethers (PROVISIONAL).		114795	GADSL 2023 #176(PFAS)
Observation	Copolymers of fluoroolefin and vinyl ethers (PROVISIONAL).		114831	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic ester copolymer (PROVISIONAL).		115118	GADSL 2023 #176(PFAS)
Observation	Reaction product of a fluorinated alcohol, epichlorohydrin, an alkyl glycol and an isocyanate (PROVISIONAL).		115776	GADSL 2023 #176(PFAS)
Observation	Fluorinated substituted urethane (PROVISIONAL).		117727	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylacrylate (PROVISIONAL).		118219	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylsulfonamide salt (PROVISIONAL).		118322	GADSL 2023 #176(PFAS)
Observation	Reaction product of a fluorinated alcohol, epichlorohydrin, a diol and an isocyanate (PROVISIONAL).		118708	GADSL 2023 #176(PFAS)
Observation	Substituted perfluoroalkenyl ammonium salt (PROVISIONAL).		122453	GADSL 2023 #176(PFAS)
Observation	Copolymers of fluoroolefin and vinyl ethers (PROVISIONAL).		125601	GADSL 2023 #176(PFAS)
Observation	Quaternary ammonium perfluoroalkyl carboxylate (PROVISIONAL).		127765	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl ethylacrylate oligomer (PROVISIONAL).		128677	GADSL 2023 #176(PFAS)
Observation	Modified perfluoropolyoxyalkane (PROVISIONAL).		129103	GADSL 2023 #176(PFAS)
Observation	Fluorinated phosphate (PROVISIONAL).		131987	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Polyfluoroacyl chloride (PROVISIONAL).		132957	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyamphiphile (PROVISIONAL).		134748	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		135058	GADSL 2023 #176(PFAS)
Observation	Copolymer of fluoroolefin (PROVISIONAL).		136415	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		137587	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		137667	GADSL 2023 #176(PFAS)
Observation	Fluoroelastomer (PROVISIONAL).		137678	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic copolymer (PROVISIONAL).		138648	GADSL 2023 #176(PFAS)
Observation	Fluorinated polyalkyl alkoxy siloxanes (PROVISIONAL).		142008	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethyl ester (PROVISIONAL).		144582	GADSL 2023 #176(PFAS)
Observation	Aromatic fluoroalkyl mixture complex.		146282	GADSL 2023 #176(PFAS)
Observation	Perfluorinated alcohol (PROVISIONAL).		150755	GADSL 2023 #176(PFAS)
Observation	Aryl phosphonate ester of a perfluoropolyether (PROVISIONAL).		152137	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		152411	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylacrylate copolymer (PROVISIONAL).		153209	GADSL 2023 #176(PFAS)
Observation	Betaines, dimethyl (polyfluoro-hydro-alkyl) (PROVISIONAL).		153345	GADSL 2023 #176(PFAS)
Observation	Fluorinated silane (PROVISIONAL).		155567	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylacrylate copolymer (PROVISIONAL).		158022	GADSL 2023 #176(PFAS)
Observation	Fluoroelastomer (PROVISIONAL).		159707	GADSL 2023 #176(PFAS)
Observation	Modified fluorinated acrylic resin (PROVISIONAL).		160339	GADSL 2023 #176(PFAS)
Observation	Polyfluoro alkylether (PROVISIONAL).		160680	GADSL 2023 #176(PFAS)
Observation	Fluoroethylene-vinylether copolymer (PROVISIONAL).		163214	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylacrylate copolymer (PROVISIONAL).		164148	GADSL 2023 #176(PFAS)
Observation	Modified perfluoropolyether salt (PROVISIONAL).		166973	GADSL 2023 #176(PFAS)
Observation	Copolymer of tetrafluoroethylene and perfluoroalkoxy ethene (PROVISIONAL).		167410	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluoroalkylethyl amine (PROVISIONAL).		168833	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethyl ester (PROVISIONAL).		169347	GADSL 2023 #176(PFAS)
Observation	Hydrofluorocarbon ethers (PROVISIONAL).		169698	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethyl acrylate copolymer (PROVISIONAL).		171790	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylphosphate ammonium salt (PROVISIONAL).		172851	GADSL 2023 #176(PFAS)
Observation	Poly-.beta.-fluoroalkylethyl acrylate and alkyl acrylate (PROVISIONAL).		174993	GADSL 2023 #176(PFAS)
Observation	Poly-.beta.-fluoroalkylethyl acrylate and polyoxyalkyl methacrylate (PROVISIONAL).		176740	GADSL 2023 #176(PFAS)
Observation	Siloxane grafted fluoroelastomer.		178008	GADSL 2023 #176(PFAS)
Observation	Alkyl perfluorinated acryloyl ester (PROVISIONAL).		193578	GADSL 2023 #176(PFAS)
Observation	Alkenoic acid, polymer with alkyl alkenoate, alkylalkylalkenoate, alkenoic acid and tridecafluoro alkylalkenoate, compds. with alkylaminoalcanol.		194662	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic copolymer (PROVISIONAL).		196704	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer.		199350	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyether modified organosilane (PROVISIONAL).		200818	GADSL 2023 #176(PFAS)
Observation	Polyfluoroalkyl phosphoric acid salt (PROVISIONAL).		204230	GADSL 2023 #176(PFAS)
Observation	Hydrofluoroolefin polymer with 1,1-difluoroethene (PROVISIONAL).		205302	GADSL 2023 #176(PFAS)
Observation	Polyfluoroacyl peroxide (PROVISIONAL).		205313	GADSL 2023 #176(PFAS)
Observation	Alkylpolycarboxylic acid, derivative, tris(fluorinatedalkoxy)alkyl ester salt.		217095	GADSL 2023 #176(PFAS)
Observation	Fluorinated organopolysilazane.		218985	GADSL 2023 #176(PFAS)
Observation	Polyfluoroalkyl phosphoric acid salt (PROVISIONAL).		221637	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, alkyl, alkyl propoxy ethyl, methyl octyl, alkyl polyfluorooctyl.		225004	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylate, polymer with alkyloxirane homopolymer monether with alkanediol mono(2-methyl-2-propenoate), tert-Bu 2-ethylhexaneperoxoate-initiated.		227884	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Fluoropolymer (PROVISIONAL).		230194	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl methacrylate copolymer.		231255	GADSL 2023 #176(PFAS)
Observation	Fluoroethylene vinyl copolymer (PROVISIONAL).		231642	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		231937	GADSL 2023 #176(PFAS)
Observation	Polyfluorinated alkyl thiol.		231993	GADSL 2023 #176(PFAS)
Observation	Fluorinated ester.		232269	GADSL 2023 #176(PFAS)
Observation	Fluorosilicone polymer (PROVISIONAL).		234050	GADSL 2023 #176(PFAS)
Observation	Alkylene diisocyanate homopolymer, reaction product with substituted polyethylene glycol, perfluoroalkyl alcohol, methyl ethyl ketoxime and perfluoroalkylene glycol (PROVISIONAL).		234152	GADSL 2023 #176(PFAS)
Observation	Copolymer of tetrafluoroethene and perfluorosulfonylvinylether (PROVISIONAL).		234389	GADSL 2023 #176(PFAS)
Observation	Polyfluorinated alkyl thiol.		234458	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer (PROVISIONAL).		234981	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer (PROVISIONAL).		235586	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethylmethacrylate copolymer (PROVISIONAL).		235724	GADSL 2023 #176(PFAS)
Observation	Fluorinated oligomer alcohol (PROVISIONAL).		236181	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer.		236238	GADSL 2023 #176(PFAS)
Observation	Polyfluorinated alkyl halide.		236750	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyether compound (PROVISIONAL).		238052	GADSL 2023 #176(PFAS)
Observation	Alkyl methacrylates, polymer with substituted carbomonocycle, hydroxymethyl acrylamide and fluorinatedalkyl acrylate (PROVISIONAL).		238096	GADSL 2023 #176(PFAS)
Observation	Fluoroacrylate modified urethane (PROVISIONAL).		238427	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl methylacrylate copolymer.		239191	GADSL 2023 #176(PFAS)
Observation	Fluorinated alkylsulfonamidol urethane polymer (PROVISIONAL).		239260	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyether ally ether (PROVISIONAL).		240052	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl methacrylate co-polymer (PROVISIONAL).		240392	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Perfluorobutanesulfonamide and polyoxyalkylene containing polyurethane.		241099	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyether methoxysilane (PROVISIONAL).		241271	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, aminoalkyl fluorooctyl, hydroxy-terminatedsalt.		242207	GADSL 2023 #176(PFAS)
Observation	Polyperfluoro alkylene glycol, perfluoroalkoxy-and hydroxy alkyl amido perfluoroalkyl terminated (PROVISIONAL).		242467	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		243266	GADSL 2023 #176(PFAS)
Observation	Fluoro modified, polyether modified, and alkyl modified polymethylsiloxane (PROVISIONAL).		243562	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl substituted siloxanes (PROVISIONAL).		244076	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer modified with polysiloxanes.		244441	GADSL 2023 #176(PFAS)
Observation	Fluoropolymeric sulfonic acid (PROVISIONAL).		244781	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl methacrylate copolymer (PROVISIONAL).		245397	GADSL 2023 #176(PFAS)
Observation	Polyfluorinated alkyl thio polyacrylic acid-acrylamide.		245535	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl sulfonamide (PROVISIONAL).		245820	GADSL 2023 #176(PFAS)
Observation	Polymer of perfluoroalkylethylmethacrylate, alkylacrylate, chloroethene, and urethane methacrylate.		245831	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylated polyamino acid (PROVISIONAL).		246118	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer (PROVISIONAL).		246287	GADSL 2023 #176(PFAS)
Observation	Fluorinated aliphatic isocyanate polymer (PROVISIONAL).		247111	GADSL 2023 #176(PFAS)
Observation	Tetrafluoro acrylates copolymer with polyoxy methyl derivatives (PROVISIONAL).		248023	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethyl methacrylate copolymer, salt (PROVISIONAL).		248192	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl ethylmethacrylate copolymer.		248567	GADSL 2023 #176(PFAS)
Observation	Partially fluorinated alkyl betaine (PROVISIONAL).		248589	GADSL 2023 #176(PFAS)
Observation	Modified fluorinated acrylate.		248647	GADSL 2023 #176(PFAS)
Observation	Partially fluorinated borate ester (PROVISIONAL).		249220	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Fluoro-modified acrylic copolymer.		249311	GADSL 2023 #176(PFAS)
Observation	Fluoralkyl acrylate copolymer.		249399	GADSL 2023 #176(PFAS)
Observation	Diethylene glycol, polymer with diisocyanatoalkane, polyethylene glycol monomethyl ether- and fluorinatedalkanol-blocked (PROVISIONAL).		249559	GADSL 2023 #176(PFAS)
Observation	Fluoropolymeric sulfonic acid salt (PROVISIONAL).		249640	GADSL 2023 #176(PFAS)
Observation	Fluoroacrylate copolymer (PROVISIONAL).		249720	GADSL 2023 #176(PFAS)
Observation	Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5) (PROVISIONAL).		251300	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate co-polymer (PROVISIONAL).		251662	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl methacrylate copolymer (PROVISIONAL).		251797	GADSL 2023 #176(PFAS)
Observation	Urethane polymer modified with perfluoroalkylsulfonamide (PROVISIONAL).		252290	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl sulfonamide derivative.		253884	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer (PROVISIONAL).		253975	GADSL 2023 #176(PFAS)
Observation	Alkyl acid fluoride (PROVISIONAL).		254116	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylsulfonamidoalkyl acrylate, polymer with acrylic acid derivatives (PROVISIONAL).		254456	GADSL 2023 #176(PFAS)
Observation	Polyfluoroalkyl phosphoric acid salt (PROVISIONAL).		254649	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer.		255653	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic copolymer (PROVISIONAL).		255700	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic copolymer (PROVISIONAL).		255846	GADSL 2023 #176(PFAS)
Observation	Hexafluoropropylene-perfluoro (alkyl vinyl ether)-tetrafluoroethylene copolymer (PROVISIONAL).		255993	GADSL 2023 #176(PFAS)
Observation	Fluoro modified, polyether modified polyacrylate (PROVISIONAL).		256372	GADSL 2023 #176(PFAS)
Observation	Fluorinated copolymer (PROVISIONAL).		256394	GADSL 2023 #176(PFAS)
Observation	Perfluorinated organic peroxide (PROVISIONAL).		256452	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl acrylate copolymer (PROVISIONAL).		256678	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Polymer of perfluoroalkylethylacrylate, alkylaminomethacrylate, hydroxyalkylmethacrylate, organic acid salt.		257171	GADSL 2023 #176(PFAS)
Observation	Phosphoric acid, mixed esters with partially fluorinated alcohol, ammonium salts (PROVISIONAL).		257444	GADSL 2023 #176(PFAS)
Observation	Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), amine salts.		257580	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		257911	GADSL 2023 #176(PFAS)
Observation	Alkane carboxylic acids esters with long chain fatty alcohol and fluorinated alkylsulfonamidoalkyl alcohol (PROVISIONAL).		257922	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyether compound (PROVISIONAL).		257966	GADSL 2023 #176(PFAS)
Observation	Perfluorinated difunctional acid flouride (PROVISIONAL).		258072	GADSL 2023 #176(PFAS)
Observation	Polyfluoralkyl ether.		258174	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		258196	GADSL 2023 #176(PFAS)
Observation	Ethylene-tetrafluoroethylene-fluorinated alkene copolymer.		258981	GADSL 2023 #176(PFAS)
Observation	Copolymer of perfluoroalkylsulfonamidoalkyl acrylate and alkyl acrylate modified fatty acid dimers (PROVISIONAL).		259360	GADSL 2023 #176(PFAS)
Observation	Polyfluorinated alkyl polyamide.		259633	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl substituted alkyl sulfonate.		259655	GADSL 2023 #176(PFAS)
Observation	Polyfluorinated alkyl amine.		260196	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl sulfonamide derivative.		260958	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkyl acrylate (PROVISIONAL).		261428	GADSL 2023 #176(PFAS)
Observation	Partially fluorinated amphiphilic condensation polymer (PROVISIONAL).		261462	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl methacrylate co-polymer (PROVISIONAL).		261826	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer modified with polysiloxanes.		262169	GADSL 2023 #176(PFAS)
Observation	Copolymer of perfluorinated and alkyl methacrylates.		262341	GADSL 2023 #176(PFAS)
Observation	Polyfluorinated alkyl thio polyacrylamide.		262545	GADSL 2023 #176(PFAS)
Observation	Fluoro modified, polyether modified polyacrylate (PROVISIONAL).		262885	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Polyfluorinated alkyl thio polyacrylamide.		263093	GADSL 2023 #176(PFAS)
Observation	Pefluoroalkylethylmethacrylate copolymer (PROVISIONAL).		263208	GADSL 2023 #176(PFAS)
Observation	Polyfluorinated alkyl quaternary ammonium chloride.		263435	GADSL 2023 #176(PFAS)
Observation	Ammonium salt of fluorinated alkoxyfluoropropanoic acid.		264165	GADSL 2023 #176(PFAS)
Observation	Fluoroethylene-vinylether copolymer (PROVISIONAL).		264621	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer (PROVISIONAL).		264687	GADSL 2023 #176(PFAS)
Observation	Fluorinated vinyl ether polymer (PROVISIONAL).		264916	GADSL 2023 #176(PFAS)
Observation	Fluorochemical ester (PROVISIONAL).		264949	GADSL 2023 #176(PFAS)
Observation	Polyfluoroalkylproponic acid ethyl ester (PROVISIONAL).		265453	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic copolymer (PROVISIONAL).		265599	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyether modified silane (PROVISIONAL).		266423	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl esters, telomers with C18-26-alkyl acrylate, 1-dodecanethiol, N-(hydroxymethyl)-2-methyl-2-propenamide, polyfluorooctyl methacrylate, 2,2'-[1,2-diazenediylbis(1-methylethylidene)]bis[4,5-dihydro-1H-imidazole]hydrochloride (1:2)-initiated (PROVISIONAL).		267095	GADSL 2023 #176(PFAS)
Observation	Fluorinated alkylsulfonamido acrylate copolymer (PROVISIONAL).		267948	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl methacrylate copolymer (PROVISIONAL).		268781	GADSL 2023 #176(PFAS)
Observation	Fluorinated sulfonamide alcohol (PROVISIONAL).		268883	GADSL 2023 #176(PFAS)
Observation	Fluorinated methacrylate monomer (PROVISIONAL).		269079	GADSL 2023 #176(PFAS)
Observation	Partially fluorinated alcohol substituted glycol (PROVISIONAL).		269400	GADSL 2023 #176(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, telomers with C18-26-alkyl acrylate, 1-dodecanethiol, N-(hydroxymethyl)-2-methyl-2-propenamide, polyfluorooctyl methacrylate and vinylidene chloride, 2,2'-[1,2-diazenediylbis(1-methylethylidene)bis[4,5-dihydro-1H-imidazole] hydrochloride (1,2)-initiated (PROVISIONAL).		269604	GADSL 2023 #176(PFAS)
Observation	Tetrafluoroethylene chlorotrifluoroethylene copolymer (PROVISIONAL).		270598	GADSL 2023 #176(PFAS)
Observation	Fluoroelastomer (PROVISIONAL).		270601	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Modified fluorinated acrylate (PROVISIONAL).		270770	GADSL 2023 #176(PFAS)
Observation	Fluorinated polyalkyl silicones (PROVISIONAL).		271364	GADSL 2023 #176(PFAS)
Observation	Urethane polymer modified with perfluoroalkylsulfonamide and polyethoxylate (PROVISIONAL).		271739	GADSL 2023 #176(PFAS)
Observation	Ethylene-tetrafluoroethylene copolymer (PROVISIONAL).		272038	GADSL 2023 #176(PFAS)
Observation	Fluoroolefin copolymer (PROVISIONAL).		272458	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer.		272583	GADSL 2023 #176(PFAS)
Observation	Polyfluorinated alkyl thio acrylamide.		272618	GADSL 2023 #176(PFAS)
Observation	Trifluoroethene polymer with 4-(ethenyloxy)-1-butanol, ethene, ethoxy- and olefin ethoxy copolymer (PROVISIONAL).		273611	GADSL 2023 #176(PFAS)
Observation	Fluorinated alkylsulfonamido polymer (PROVISIONAL).		274136	GADSL 2023 #176(PFAS)
Observation	Perfluorinated polyamine (PROVISIONAL).		274147	GADSL 2023 #176(PFAS)
Observation	Fluoroalkylacrylate co-polymer (PROVISIONAL).		274352	GADSL 2023 #176(PFAS)
Observation	Modified fluorinated acrylate (PROVISIONAL).		274363	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer (PROVISIONAL).		274421	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyether chlorosilane (PROVISIONAL).		274512	GADSL 2023 #176(PFAS)
Observation	Trifluoroethene polymer with, 4-(ethenyloxy)-1-butanol, olefin copolymers and amine (PROVISIONAL).		274534	GADSL 2023 #176(PFAS)
Observation	Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts (PROVISIONAL).		274658	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic alkylamino copolymer.		274670	GADSL 2023 #176(PFAS)
Observation	Fluorinated amine oxide (PROVISIONAL).		275719	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyether-block-polytetrafluoroethylene (PROVISIONAL).		275899	GADSL 2023 #176(PFAS)
Observation	Fluorinated alkenyl ether (PROVISIONAL).		276052	GADSL 2023 #176(PFAS)
Observation	Siloxanes and silicones, amino alkyl substituted alkyl hydroxyl, hydroxyl fluorinated alkyl, ester salts, reaction products with mixed metal oxides (PROVISIONAL).		276109	GADSL 2023 #176(PFAS)
Observation	Perfluoro alkoxy acid fluoride derivative (PROVISIONAL).		276303	GADSL 2023 #176(PFAS)

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NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Polyfluoroalkyl phosphoric acid (PROVISIONAL).		276858	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic polymer with acrylate groups (PROVISIONAL).		276950	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer.		277055	GADSL 2023 #176(PFAS)
Observation	Fluorinated acrylic alkylamino copolymer (PROVISIONAL).		277420	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl methacrylate co-polymer (PROVISIONAL).		278105	GADSL 2023 #176(PFAS)
Observation	Fluoroalkyl acrylate copolymer (PROVISIONAL).		278138	GADSL 2023 #176(PFAS)
Observation	Perfluoropolyether compound (PROVISIONAL).		279051	GADSL 2023 #176(PFAS)
Observation	Perfluoroalkylethylmethacrylate copolymer.		279108	GADSL 2023 #176(PFAS)
Observation	Urethane polymer modified with perfluoroalkylsulfonamide (PROVISIONAL).		279755	GADSL 2023 #176(PFAS)
Observation	Trisiloxane, 3-[(dimethylsilyl)oxy]-1,1,5,5-tetramethyl-3-(3,3,4,4,5,5,6,6,6-nonafluorohexyl)-.		178241-16-2	GADSL 2023 #176(PFAS)
Observation	2,4,13,15-Tetrasilahexadecane, 4,13-bis[(dimethylsilyl)methyl]-7,7,8,8,9,9,10,10-octafluoro-2,4,13,15-tetramethyl-.		401510-99-4	GADSL 2023 #176(PFAS)
Observation	Silane, bis[(1,1-dimethyl-2-propynyl)oxy]methyl(3,3,4,4,5,5,6,6,6-nonafluorohexyl)-.		506417-14-7	GADSL 2023 #176(PFAS)
Observation	Silsesquioxanes, 3,3,4,4,5,5,6,6,6-nonafluorohexyl, [(dimethylsilyl)oxy]-terminated.		507225-02-7	GADSL 2023 #176(PFAS)
Observation	Furan, tetrahydro-, polymer with 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, monoester with [3-(carboxyamino)methyl]-3,5,5-trimethylcyclohexyl]carbamic acid mono[2-[(1-oxo-2-propenyl)oxy]ethyl] ester, 2,2,2-trifluoroethyl ether.		709670-53-1	GADSL 2023 #176(PFAS)
Observation	3,8,11,14-Tetraoxa-2,4-disilaheptadecane, 4-[(dimethylsilyl)oxy]-10,12,12,13,15,15,16,16,17,17,17-undecafluoro-2,4-dimethyl-10,13-bis(trifluoromethyl)-.		133068-47-0	GADSL 2023 #176(PFAS)
Observation	Trisiloxane, 1,1,3,5,5-pentamethyl-3-[3,4,4,4-tetrafluoro-3-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]butyl]-.		145782-39-4	GADSL 2023 #176(PFAS)
Observation	Propanoyl fluoride, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine and 2,4,6,8-tetramethylcyclotetrasiloxane.		802935-59-7	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Sulfonium, triphenyl-, salt with 1,1,2,2,3,3,4,4-octafluoro-1,4-butanedisulfonic acid (2:1).		848407-98-7	GADSL 2023 #176(PFAS)
Observation	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,2-pentafluoro-N-[(pentafluoroethyl)sulfonyl]ethanesulfonamide (1:1).		524067-96-7	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, Me 3,3,4,4,5,5,6,6,6-nonafluorohexyl, chloro-terminated.		908858-79-7	GADSL 2023 #176(PFAS)
Observation	Propanoyl fluoride, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]-, polymer with 2,2,3-trifluoro-3-(trifluoromethyl)oxirane, reaction products with 3,3'-(1,2-ethanediyl)bis[3-[(dimethylsilyl)oxy]-1,1,5,5-tetram.		913292-62-3	GADSL 2023 #176(PFAS)
Observation	Propanoyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)]bis[2,3,3,3-tetrafluoro-, polymer with 2,2,3-trifluoro-3-(trifluoromethyl)oxirane, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine and methylbis[(1-methylethenyl)oxy]silane		917979-29-4	GADSL 2023 #176(PFAS)
Observation	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4-octafluoro-1,4-butanedisulfonate(2-) (2:1).		799274-55-8	GADSL 2023 #176(PFAS)
Observation	Sulfonium, triphenyl-, 2,2'-oxybis[1,1,2,2-tetrafluoroethanesulfonate] (2:1).		848408-02-6	GADSL 2023 #176(PFAS)
Observation	Cyclotetrasiloxane, 2,4,6,8-tetramethyl-2-[3-[2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]propyl]-.		756819-73-5	GADSL 2023 #176(PFAS)
Observation	1,5-Trisiloxanediol, 1,1,3,5,5-pentamethyl-3-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-.		1010387-03-7	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, Me hydrogen, [[7,9,9,10,12,12,13,13,14,14,14-undecafluoro-1,1-dimethyl-7,10-bis(trifluoromethyl)-5,8,11-trioxa-1-silatetradec-1-yl]oxy]-terminated.		1010423-83-2	GADSL 2023 #176(PFAS)
Observation	Sulfonium, triphenyl-, salt with 4,4,5,5,6,6-hexafluorodihydro-4H-1,3,2-dithiazine 1,1,3,3-tetraoxide (1:1).		808752-25-2	GADSL 2023 #176(PFAS)
Observation	Sulfonium, (4-methylphenyl)diphenyl-, salt with 4,4,5,5,6,6-hexafluorodihydro-4H-1,3,2-dithiazine 1,1,3,3-tetraoxide (1:1).		862261-51-6	GADSL 2023 #176(PFAS)
Observation	Borate(1-), tetrahydro-, sodium (1:1), reaction products with reduced polymd. oxidized tetrafluoroethylene, hydrolyzed, diallyl ethers, polymers with 3-[(dimethylsilyl)oxy]-1,1,3,5,5-pentamethyl-1-[2 -(trimethoxysilyl)ethyl]trisiloxane.		1072943-15-7	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Siloxanes and Silicones, di-Me, Bu group- and hydrogen-terminated, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine and 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)]bis[2,3,3,3-tetrafluoropropanoyl fluoride]-2,2,3-trifluoro-3-(trifluoromethyl)oxirane polymer.		1202381-96-1	GADSL 2023 #176(PFAS)
Observation	Oxetane, 2,2,3,3-tetrafluoro-, homopolymer, fluorinated, reduced, bis(2,3-dihydroxypropyl) ethers.		1188330-60-0	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,3-diisocyanatomethylbenzene, polyethylene glycol mono-Me ether- and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol-blocked.		1304011-35-5	GADSL 2023 #176(PFAS)
Observation	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), polymer with 1,3-diisocyanatomethylbenzene, polyethylene glycol mono-Me ether- and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol-blocked.		1304012-00-7	GADSL 2023 #176(PFAS)
Observation	Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha.-[tetrafluoro(trifluoromethyl)ethyl]-.omega.-[1,2,2,2-tetrafluoro-1-[[3-(trimethoxysilyl)propoxy]methyl]ethoxy]-.		211931-77-0	GADSL 2023 #176(PFAS)
Observation	Siloxanes and Silicones, di-Me, 3,3,4,4,5,5,6,6-nonafluorohexyl group terminated.		2374700-01-1	GADSL 2023 #176(PFAS)
Observation	1-Pentadecene, 12,12,13,13,14,14,15,15,15-nonafluoro-.		631842-87-0	GADSL 2023 #176(PFAS)
Observation	Silane, trichloro(12,12,13,13,14,14,15,15,15-nonafluoropentadecyl)-.		2301857-79-2	GADSL 2023 #176(PFAS)
Observation	Siloxanes and silicones, Me hydrogen, [[dimethyl[3,3,4,4-tetrafluoro-4-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]butyl]silyl]oxy]-terminated.		166089-96-9	GADSL 2023 #176(PFAS)
Observation	Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha., .alpha'.-(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis[.omega.-(1-carboxy-1,2,2,2-tetrafluoroethoxy)-.		132910-12-4	GADSL 2023 #176(PFAS)
Observation	Poly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]], .alpha., .alpha'.-(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis[.omega.-(1,2,2,2-tetrafluoro-1-[(2-propenylamino)carbonyl]ethoxy]-.		162442-49-1	GADSL 2023 #176(PFAS)
Observation	Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, Me hydrogen, ethers with trifluoro(trifluoromethyl)oxirane homopolymer 1,2,2,2-tetrafluoro-1-(hydroxymethyl)ethyl tetrafluoro(trifluoromethyl)ethyl ether.		174393-73-8	GADSL 2023 #176(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Propanyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, hydrolyzed.		183905-82-0	GADSL 2023 #176(PFAS)
Observation	Propanyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with 2-propen-1-amine.		183905-83-1	GADSL 2023 #176(PFAS)
Observation	Silanol, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)dimethyl-.		128194-56-9	GADSL 2023 #176(PFAS)
Observation	Propanoyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediyl)bis(oxy)]bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with N-[3-(triethoxysilyl)propyl]-1,2-		185701-90-0	GADSL 2023 #176(PFAS)
Observation	Perfluoro-5,6-dimethyl-4,7-dioxadecane		2501-01-1	GADSL 2023 #176(PFAS)
Observation	Perfluoroisoheptyl Iodide		3486-08-6	GADSL 2023 #176(PFAS)
Observation	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate		5081-02-7	GADSL 2023 #176(PFAS)
Observation	1,1,2,2,3,3,4,4,5,5,6,6,7,7-Tetradecafluoroheptan-1-ol		7098-02-4	GADSL 2023 #176(PFAS)
Observation	Potassium perfluoroheptanoate		21049-36-5	IEC62474
Observation	Perfluoroheptadecanoic acid		57475-95-3	IEC62474
Observation	Perfluorononadecanoic acid		133921-38-7	IEC62474
Observation	Fatty acids, C18-unsaturated, trimers, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl esters		148240-78-2	IEC62474
Observation	Fatty acids, C18-unsaturated, trimers, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl esters		148240-81-7	IEC62474
Observation	Fatty acids, C18-unsaturated, trimers, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl esters		148240-82-8	IEC62474
Observation	Carbamic acid, N,N'-(4-methyl-1,3-phenylene)bis-, C,C'-bis[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl] ester		21055-88-9	IEC62474
Observation	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propen-1-yl-		24924-36-5	IEC62474
Observation	Fatty acids, linseed-oil, dimers, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl esters		306973-46-6	IEC62474

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compounds with triethylamine		306975-56-4	IEC62474
Observation	Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,1'-methylenebis[4-isocyanatobenzene] and 1,2,3-propanetriol, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compounds with morpholine		306975-57-5	IEC62474
Observation	Cyclohexanesulfonic acid, 1,2,2,3,3,4,5,5,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)-, potassium salt (1:1)		335-24-0	IEC62474
Observation	1-Decanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heneicosafluoro-		335-77-3	IEC62474
Observation	1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-2-propen-1-yl-		335-97-7	IEC62474
Observation	Cyclohexanesulfonyl fluoride, 1,2,2,3,3,4,4,5,5,6,6-undecafluoro-		355-03-3	IEC62474
Observation	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-		3820-83-5	IEC62474
Observation	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]-, sodium salt (1:1)		3871-50-9	IEC62474
Observation	1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propen-1-yl-		423-86-9	IEC62474
Observation	1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(phenylmethyl)-		50598-29-3	IEC62474
Observation	Benzenesulfonic acid, [[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		51032-47-4	IEC62474
Observation	Poly(oxy-1,2-ethanediyl), .alpha.-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]carbonyl]-.omega.-butoxy-		52032-20-9	IEC62474
Observation	2-Propenoic acid, 4-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl ester		58920-31-3	IEC62474

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2-Propenoic acid, 2-methyl-, 4-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl ester		61577-14-8	IEC62474
Observation	2-Propenoic acid, 2-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-eicosafluoroundecyl)sulfonyl]methylamino]ethyl ester		66008-68-2	IEC62474
Observation	2-Propenoic acid, 2-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl)sulfonyl]methylamino]ethyl ester		66008-69-3	IEC62474
Observation	2-Propenoic acid, 2-[methyl[(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)sulfonyl]amino]ethyl ester		66008-70-6	IEC62474
Observation	1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-2-propen-1-yl-		67584-49-0	IEC62474
Observation	1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[3-(trichlorosilyl)propyl]-		67584-50-3	IEC62474
Observation	2-Propenoic acid, 2-methyl-, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl ester		67906-38-1	IEC62474
Observation	1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-2-propen-1-yl-		67906-41-6	IEC62474
Observation	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid		67906-74-5	IEC62474
Observation	1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[2-(phosphonooxy)ethyl]-		67923-61-9	IEC62474
Observation	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid		67939-37-1	IEC62474
Observation	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[3-(trichlorosilyl)propyl]-		67939-42-8	IEC62474
Observation	1-Pentanesulfonamide, N,N'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-		67939-87-1	IEC62474
Observation	1-Pentanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-[2-(phosphonooxy)ethyl]-		67939-90-6	IEC62474
Observation	Cyclohexanesulfonyl fluoride, nonafluorobis(trifluoromethyl)-		68156-00-3	IEC62474
Observation	Cyclohexanesulfonyl fluoride, decafluoro-1,1,2,2,2-(pentafluoroethyl)-		68156-06-9	IEC62474

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2-Propenoic acid, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl ester		68227-97-4	IEC62474
Observation	2-Propenoic acid, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl ester		68227-99-6	IEC62474
Observation	1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(4-hydroxybutyl)-N-methyl-		68239-72-5	IEC62474
Observation	1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(4-hydroxybutyl)-N-methyl-		68239-73-6	IEC62474
Observation	1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(phenylmethyl)-		68298-08-8	IEC62474
Observation	1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(phenylmethyl)-		68298-10-2	IEC62474
Observation	1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(4-hydroxybutyl)-N-methyl-		68298-89-5	IEC62474
Observation	Benzenesulfonic acid, [[[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		68299-20-7	IEC62474
Observation	Benzenesulfonic acid, ar-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		68299-29-6	IEC62474
Observation	1-Heptanesulfonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-		68310-02-1	IEC62474
Observation	Cyclohexanesulfonyl fluoride, decafluoro(trifluoromethyl)-		68318-34-3	IEC62474
Observation	1-Propanaminium, 3-[(carboxymethyl)[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]-N,N,N-trimethyl-, inner salt		68318-36-5	IEC62474
Observation	2-Propenoic acid, polymer with 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-propenoate		68541-80-0	IEC62474
Observation	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]-, sodium salt (1:1)		68555-69-1	IEC62474
Observation	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]-, sodium salt (1:1)		68555-71-5	IEC62474
Observation	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]-, ethyl ester		68555-79-3	IEC62474
Observation	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]-		68957-31-3	IEC62474

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]-, ethyl ester		68957-54-0	IEC62474
Observation	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]-		68957-63-1	IEC62474
Observation	1-Propanaminium, N,N,N-trimethyl-3-[[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]-, sulfate (2:1)		70225-24-0	IEC62474
Observation	1-Propanaminium, 3-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]-N,N,N-trimethyl-, sulfate (2:1)		70225-26-2	IEC62474
Observation	Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]propyl]-		71463-78-0	IEC62474
Observation	Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]propyl]-		71463-79-1	IEC62474
Observation	Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]propyl]-, diethyl ester		71463-80-4	IEC62474
Observation	Phosphonic acid, P-[3-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]propyl]-, diethyl ester		71463-81-5	IEC62474
Observation	1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]-		72785-08-1	IEC62474
Observation	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate		73018-93-6	IEC62474
Observation	Benzamide, 4-[[4-[[[2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl]amino]carbonyl]phenyl]methyl]-N-octadecyl-		73019-19-9	IEC62474
Observation	1,3-Benzenedicarboxamide, N3-[2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl]-N1-[2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl]-4-methyl-		73019-20-2	IEC62474
Observation	2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-methoxypoly(oxy-1,2-ethanediyl)		73019-28-0	IEC62474
Observation	2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester, polymer with 2-methyloxirane polymer with oxirane mono(2-methyl-2-propenoate)		73038-33-2	IEC62474

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-butoxypoly[oxy(methyl-1,2-ethanediyl)]		73275-59-9	IEC62474
Observation	2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propenoate and 2-hydroxyethyl 2-propenoate		95590-48-0	IEC62474
Observation	Methyl-trioctylammonium bis(trifluoromethylsulfonyl)imide		375395-33-8	IEC62474
Observation	Fluoroelastomers		64706-30-5	IEC62474
Observation	Polyvinylidene fluoride		24937-79-9	IEC62474
Observation	ethene,1,1,2,2-tetrafluoro-, polymer with 1,1'oxybis[ethene]		102646-47-9	IEC62474
Observation	Fluoroethylene-alkyl vinylether		146915-43-7	IEC62474
Observation	Perfluoroindane		374-80-1	IEC62474
Observation	Perfluoroperhydrofluoranthene		662-28-2	IEC62474
Observation	Perfluoroperhydrobenzyltetralin		116265-66-8	IEC62474
Observation	3,3,4,4,5,5,6,6,-octafluoro-1-Hexene		159148-08-0	IEC62474
Observation	3,3,4,5,5,5-hexafluoro-1-Pentene		2375-68-0	IEC62474
Observation	1,1,1,2,3,4,5,5,5-nonafluoro-2-(trifluoromethyl)-Pentane		85720-78-1	IEC62474
Observation	Methyl perfluoroisoalkyl ether		22052-84-2	IEC62474
Observation	4,4'-sulphonyldiphenol		80-09-1	GADSL 2023 #240
Observation	Thiourea; thiocarbamide		62-56-6	GADSL 2023 #254
Observation	Barium diboron tetraoxide		13701-59-2	IEC62474
Observation	Isobutyl 4-hydroxybenzoate		4247-02-3	IEC62474
Observation	Melamine		108-78-1	IEC62474
Observation	bis(4-chlorophenyl) sulphone		80-07-9	IEC62474
Observation	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide		75980-60-8	IEC62474
Prohibited	Acetic acid, 2,2,2-trichloro-, 2,3,4,5,6-pentachlorophenyl ester		2879-60-9	EU POPs

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.4)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Prohibited	Acetic acid, 2,2-dichloro-, 2,3,4,5,6-pentachlorophenyl ester		19745-69-8	EU POPs
Prohibited	Carbonic acid, 1,1-dimethylethyl pentachlorophenyl ester		18942-25-1	EU POPs
Observation	pentapotassium 2,2′,2″,2‴,2⁗-(ethane-1,2-diylnitrilo)pentaacetate		7216-95-7	CLP
Observation	N-carboxymethyliminobis(ethylenenitrilo)tetra(acetic acid)		67-43-6	CLP
Observation	pentasodium (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate		140-01-2	CLP
Observation	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid		2156592-54-8	CLP
Observation	phenylhydrazine		100-63-0	CLP
Observation	theophylline; 1,3-dimethyl-3,7-dihydro-1H-purine-2,6-dione		58-55-9	CLP
Observation	N-(2-nitrophenyl)phosphoric triamide		874819-71-3	CLP
Observation	Reaction mass of 3-(difluoromethyl)-1-methyl-N-[(1RS,4SR,9RS)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide and 3-(difluoromethyl)-1-methyl-N-[(1RS,4SR,9SR)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide [≥ 78% syn isomers ≤15% anti isomers relative content]; isopyrazam		881685-58-1	CLP

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Phenol, dodecyl-, branched	ﾌｪﾉｰﾙ, ﾄﾞﾃﾞｼﾙ, 分岐	121158-58-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Phenol, 2-dodecyl-, branched	ﾌｪﾉｰﾙ, 2-ﾄﾞﾃﾞｼﾙ, 分岐	1801269-80-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Phenol, 3-dodecyl-, branched	ﾌｪﾉｰﾙ, 3-ﾄﾞﾃﾞｼﾙ, 分岐	1801269-77-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Phenol, 4-dodecyl-, branched	ﾌｪﾉｰﾙ, 4-ﾄﾞﾃﾞｼﾙ, 分岐	210555-94-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Phenol, (tetrapropenyl) derivatives	ﾌｪﾉｰﾙ, (ﾃﾄﾗﾌﾟﾛﾍﾟﾆﾙ)誘導体	74499-35-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
O-toluidine, 4-chloro-, hydrochloride	4-ｸﾛﾛ-o-ﾄﾙｲｼﾞﾝ塩酸塩	3165-93-3	Removed the classification of reduced substances because NSK products do not fall under any of the reduced substances.	Observation	Prohibited/Observation
2,4-Diaminoanisole sulphate (1,3-Benzenediamine, 4-methoxy-, sulfate (1:1))	2,4-ｼﾞｱﾐﾉｱﾆｿｰﾙ硫酸	39156-41-7	Removed the classification of prohibited substances because NSK products do not fall under any of the prohibited substances.	Observation	Prohibited/Observation
Methanaminium, n-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-n-methyl-, chloride: C.I. Basic Violet 3	[4-{ﾋﾞｽ(4-ｼﾞﾒﾁﾙｱﾐﾉﾌｪﾆﾙ)ﾒﾁﾚﾝ}-2,5-ｼｸﾛﾍｷｻｼﾞｴﾝ-1-ｲﾘﾃﾞﾝ]ｼﾞﾒﾁﾙｱﾝﾓﾆｳﾑｸﾛﾘﾄﾞ	548-62-9	Removed the classification of prohibited substances because NSK products do not fall under any of the prohibited substances.	Observation	Prohibited/Observation
Benzenamine, 4-[(4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl]-, monohydrochloride	4-[(4-ｱﾐﾉﾌｪﾆﾙ)(4-ｲﾐﾉ-2,5-ｼｸﾛﾍｷｻｼﾞｴﾝ-1-ｲﾘｼﾞｴﾝ) ﾒﾁﾙ] ｱﾆﾘﾝ塩化水素	569-61-9	Removed the classification of prohibited substances because NSK products do not fall under any of the prohibited substances.	Observation	Prohibited/Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Cadmium arsenide (Cd3As2)	ヒ化カドミウム	12006-15-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Chromium arsenide (Cr2As)	ヒ化クロム	12254-85-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Lead arsenate	ヒ酸鉛	3687-31-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Lead arsenate	ヒ酸鉛	7784-40-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Lead arsenate (Pb3(AsO4)2)	砒酸鉛(ii)	10102-48-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Lead arsenate, unspecified	ヒ酸鉛(混合)	7645-25-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Lead arsenite	亜ヒ酸鉛	10031-13-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Mercuric arsenate	ヒ酸第二水銀 (HgAsHO4)	7784-37-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
2,6-Dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate	2,6-ｼﾞﾒﾁﾙ-4-(1-ﾅﾌﾀﾚﾆﾙ)ﾋﾟﾘﾘｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ	84282-36-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
2,6-Dimethyl-4-phenylpyrylium hexafluoroarsenate	2,6-ｼﾞﾒﾁﾙ-4-ﾌｪﾆﾙﾋﾟﾘﾘｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ	84304-15-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
4-Cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate	4-ｼｸﾛﾍｷｼﾙ-2,6-ｼﾞﾒﾁﾙﾋﾟﾘﾘｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ	84304-16-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
6,6'-Dihydroxy-3,3'-diarsene-1,2-diyldianilinium dichloride	6,6' -ｼﾞﾋﾄﾞﾛｷｼ-3,3' -ｼﾞﾋ素-1, 2-ｼﾞｲﾙｱﾆﾘﾆｳﾑｼﾞｸﾛﾘﾄﾞ	139-93-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Aluminum arsenide (AlAs)	ﾋ化ｱﾙﾐﾆｳﾑ	22831-42-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Aluminum gallium arsenide ((Al,Ga)As)	ﾋ化ｱﾙﾐﾆｳﾑ・ｶﾞﾘｳﾑ	37382-15-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Ammonium arsenate	ヒ酸ｱﾝﾓﾆｳﾑ	7784-44-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Ammonium-magnesium-arsenat	ｱﾝﾓﾆｳﾑ-ﾏｸﾞﾈｼｳﾑ-亜ヒ酸混合物	14644-70-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Antimony arsenate	ヒ酸ｱﾝﾁﾓﾝ	28980-47-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Antimony arsenic oxide	酸化ヒ素ｱﾝﾁﾓﾝ	64475-90-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Antimony arsenide (Sb3As)	ﾋ化ｱﾝﾁﾓﾝ (Sb3As)	12255-36-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenargentite (Ag3As)	ﾋ化銀 (Ag3As)	12417-99-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenate(1-), hexafluoro-, hydrogen	ﾍｷｻﾌﾙｵﾛヒ酸水素	17068-85-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenate(1-), hexafluoro-, lithium	六ﾌｯ化ヒ酸ﾘﾁｳﾑ	29935-35-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenate(1-), hexafluoro-, potassium	ﾍｷｻﾌﾙｵﾛﾋ(Ｖ)酸ｶﾘｳﾑ	17029-22-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, lithium salt	亜ヒ酸ﾘﾁｳﾑ塩	72845-34-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid	ヒ酸	1327-52-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid	ヒ酸	7778-39-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), ammonium copper(2+) salt (1:1:1)	ヒ酸 (H3AsO4)ｱﾝﾓﾆｳﾑ銅 (1:1:1)	32680-29-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), barium salt (2:3)	ヒ酸 (H3AsO4)ﾊﾞﾘｳﾑ (2:3)	13477-04-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenic acid (H3AsO4), bismuth salt (1:1)	ﾋ酸 (H3AsO4)ﾋﾞｽﾏｽ塩 (1:1)	13702-38-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), cobalt(2+) salt (2:3)	ﾋ酸ｺﾊﾞﾙﾄ(II)	24719-19-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), copper salt	ﾋ酸銅 (Ⅱ)(AsH3O4.xCu)	10103-61-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), copper(2+) salt (2:3)	ﾋ酸銅 (Ⅱ)(Cu3(AsO4)2)	7778-41-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), dipotassium salt	ﾋ酸(H3AsO4)二ｶﾘｳﾑ塩	21093-83-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), magnesium salt, manganese-doped	ﾋ酸ﾏｸﾞﾈｼｳﾑ塩 ﾏﾝｶﾞﾝﾄﾞｰﾌﾟ塗料	102110-21-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), monoammonium salt	ﾋ酸二水素ｱﾝﾓﾆｳﾑ	13462-93-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenic acid (H3AsO4), strontium salt (2:3)	ﾋ酸ｽﾄﾛﾝﾁｳﾑ塩 (2:3)	13464-68-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), trilithium salt	ﾋ酸ﾘﾁｳﾑ	13478-14-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), trisilver(1+) salt	ﾋ酸銀	13510-44-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid, lead (4+) salt	ﾋ酸鉛 (4+)塩	53404-12-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid, trisodium salt	ﾋ酸ﾅﾄﾘｳﾑ	13464-38-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic bromide	ﾋ酸ﾌﾞﾛﾐﾄﾞ	64973-06-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic bromide	ﾋ酸ﾌﾞﾛﾐﾄﾞ	7784-33-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenic chloride	ヒ化塩素	37226-49-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsino thioxo	二硫化二ヒ素	12044-79-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic sulfide (AsS2)	二硫化ヒ素	56320-22-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic selenide (As2Se3)	三セレン化二ヒ素	1303-36-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic sulfide	五硫化ヒ素	12612-21-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic sulfide (As2S4)	四硫化二ヒ素	12344-68-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic telluride (As2Te3)	三テルル化二ヒ素	12044-54-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenic trichloride	三塩化ヒ素	60646-36-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic trisulfide	三硫化二ヒ素	1303-33-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic, elemental	ヒ素	7440-38-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenopyrite, cobaltoan		12414-94-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous acid, trisodium salt	亜ヒ酸三ナトリウム	13464-37-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous trichloride	三塩化ヒ素	7784-34-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous triiodide	三ヨウ化ヒ素	7784-45-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Barium arsenide (Ba3As2)	ヒ化ﾊﾞﾘｳﾑ	12255-50-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Benzenediazonium, 3-methyl-4-(1-pyrrolidinyl)-, hexafluoroarsenate(1-)	3-ﾒﾁﾙ-4-(1-ﾋﾟﾛﾘｼﾞﾆﾙ)ﾍﾞﾝｾﾞﾝｼﾞｱｿﾞﾆｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ	27569-09-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Benzenediazonium, 4-(diethylamino)-2-ethoxy-, hexafluoroarsenate(1-)	4-(ｼﾞｴﾁﾙｱﾐﾉ)-2-ｴﾄｷｼﾍﾞﾝｾﾞﾝｼﾞｱｿﾞﾆｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ(1-)	63217-33-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Benzenediazonium, 4-(ethylamino)-2-methyl-, hexafluoroarsenate(1-)	4-(ｴﾁﾙｱﾐﾉ)-2-ﾒﾁﾙﾍﾞﾝｾﾞﾝｼﾞｱｿﾞﾆｳﾑ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ(1-)	63217-32-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Benzenesulfonic acid, 4-arsenoso-	4-ｱﾙｾﾉｿﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸	71130-51-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Benzenesulfonic acid, 4-arsenoso-, sodium salt	4-ｱﾙｾﾉｿﾍﾞﾝｾﾞﾝｽﾙﾎﾝ酸ﾅﾄﾘｳﾑ	71130-50-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Boron(1+), bis(2,4-pentanedionato-O,O')-, (T-4)-, hexafluoroarsenate(1-)	ﾋﾞｽ(2, 4-ﾍﾟﾝﾀｼﾞｵﾈｰﾄ-O,O') ﾎｳ素(1+)六ﾌｯ化ﾋ酸(1-)	68892-01-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Calcium arsenate	ヒ酸カルシウム	10103-62-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Calcium arsenate	ヒ酸カルシウム	7778-44-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Calcium arsenide (Ca3As2)	ヒ化カルシウム (Ca3As2)	12255-53-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Calcium arsenite	亜ヒ酸カルシウム	52740-16-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Calcium arsenite (2:1)	亜ヒ酸カルシウム(CaAsO4)	15194-98-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Calcium arsenite (2:3)	亜ヒ酸カルシウム (Ca3(AsO3)2)	27152-57-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Cobalt arsenide (CoAs)	ヒ化コバルト	27016-73-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Cobalt arsenide (CoAs2)	ヒ化ｺﾊﾞﾙﾄ (CoAs2)	12044-42-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Cobalt arsenide (CoAs3)	ヒ化ｺﾊﾞﾙﾄ (CoAs3)	12256-04-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Copper acetoarsenite	ｱｾﾄ亜ヒ酸銅	12002-03-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Copper arsenate	ヒ酸銅(II)(混合)	29871-13-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Copper arsenate hydroxide (Cu2(AsO4)(OH))	ヒ酸水酸化銅 (Cu2(AsO4)(OH))	12774-48-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Copper arsenide (Cu3As)	ヒ化銅	12005-75-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Copper arsenite	亜ヒ酸銅	10290-12-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Copper arsenite	亜ヒ酸銅	33382-64-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Copper diarsenite	ﾋﾞｽ((ｵｷｿｱﾙｼﾉ)ｵｷｼ)銅(Ⅱ)	16509-22-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Diarsenic acid	ﾋﾟﾛヒ酸	13453-15-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Diphenyldiarsenic acid	1,2-ｼﾞﾌｪﾆﾙ-1,2-ｼﾞｱﾙｻｴﾃﾝ	4519-32-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium hydrogen arsenate (Arsenic acid (H3AsO4), disodium salt, heptahydrate)	ヒ酸水素二ﾅﾄﾘｳﾑ七水和物	10048-95-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium hydrogen arsenate (Arsenic acid (H3AsO4), sodium salt (1:2))	ヒ酸水素二ﾅﾄﾘｳﾑ	7778-43-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Dysprosium arsenide (DyAs)	ヒ化ｼﾞｽﾌﾟﾛｼｳﾑ	12005-81-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Erbium arsenide (ErAs)	ヒ化ｴﾙﾋﾞｳﾑ	12254-88-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Europium arsenide (EuAs)	ヒ化ﾕｰﾛﾋﾟｳﾑ(EuAs)	32775-46-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Ferric arsenate	ヒ酸鉄(Ⅲ)	10102-49-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Ferric arsenite	亜ヒ酸第二鉄五水和物	63989-69-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Ferrous arsenate	砒酸第一鉄	10102-50-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Gadolinium arsenide (GdAs)	ヒ化ｶﾞﾄﾞﾘﾆｳﾑ	12005-89-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Gallium arsenide	一ヒ化ｶﾞﾘｳﾑ	1303-00-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Gallium arsenide phosphide		106097-61-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Digallium arsenide phosphide	ｶﾞﾘｳﾑﾋ素ﾘﾝ(2:1:1)	12044-20-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Gallium zinc triarsenide	三ﾋ化ｶﾞﾘｳﾑ亜鉛	98106-56-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Germanium arsenide (GeAs)	ﾋ化ｹﾞﾙﾏﾆｳﾑ (GeAs)	12271-72-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Holmium arsenide (HoAs)	ﾋ化ﾎﾙﾐｳﾑ	12005-92-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Indium arsenide (InAs)	一ﾋ化ｲﾝｼﾞｳﾑ	1303-11-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Iodonium, diphenyl-, hexafluoroarsenate(1-)	ｼﾞﾌｪﾆﾙﾍｷｻﾌﾙｵﾛﾋ酸(1-)ﾖｳ素	62613-15-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Iron arsenide (Fe2As)	ヒ化鉄(1:2)	12005-88-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Iron arsenide (FeAs)	一ヒ化鉄	12044-16-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Iron arsenide (FeAs2)	二ヒ化鉄	12006-21-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Lanthanum arsenide (LaAs)	ヒ化ﾗﾝﾀﾝ	12255-04-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Lithium arsenide (Li3As)	ヒ化ﾘﾁｳﾑ	12044-22-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Lutetium arsenide (LuAs)	ヒ化ﾙﾃﾆｳﾑ	12005-94-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Magnesium arsenate	ヒ酸ﾏｸﾞﾈｼｳﾑ	10103-50-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Magnesium arsenide (Mg3As2)	ﾋ化ﾏｸﾞﾈｼｳﾑ	12044-49-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Manganese arsenide (Mn2As)	ﾋ化ﾏﾝｶﾞﾝ (Mn2As)	12005-96-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Manganese arsenide (MnAs)	一ﾋ化ﾏﾝｶﾞﾝ	12005-95-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Manganese hydrogenarsenate	酸性ﾋ酸ﾏﾝｶﾞﾝ	7784-38-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Metaarsenic acid	ﾒﾀﾋ酸	10102-53-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Methylium, triphenyl-, hexafluoroarsenate(1-)	ﾄﾘﾌｪﾆﾙﾒﾁﾘｳﾑｰ,ﾍｷｻﾌﾙｵﾛｱﾙｾﾅｰﾄ(1-)	437-15-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
N-(p-Arsenosophenyl)-1,3,5-triazine-2,4,6-triamine	N-(p-ｱﾙｾﾉｿﾌｪﾆﾙ)-1,3,5-ﾄﾘｱｼﾞﾝ-2,4,6-ﾄﾘｱﾐﾝ	21840-08-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Neodymium arsenide (NdAs)	ヒ化ネオジﾞﾑ	12255-09-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Nickel arsenide (NiAs)	一ヒ化ニッケル	27016-75-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Nickel diarsenide	ヒ化ニッケル;二ヒ化ニッケル	12068-61-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Niobium arsenide (NbAs)	ヒ化ニオブ	12255-08-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Platinum arsenide (PtAs2)	ヒ化ﾌﾟﾗﾁﾅ	12044-52-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Potassium arsenate	ヒ酸カリｳﾑ	7784-41-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Potassium arsenide (K3As)	ヒ化カリｳﾑ	12044-21-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Potassium arsenite	亜ヒ酸ｶﾘｳﾑ(AsH3O3 xK)	10124-50-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Potassium arsenite	亜ヒ酸ｶﾘｳﾑ(AsH3O3 xK)	13464-35-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Praseodymium arsenide (PrAs)	ﾋ化ﾌﾟﾗｾｵｼﾞﾑ	12044-28-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Rammelsbergite (NiAs2)	ﾋ化ﾆｯｹﾙ(NiAs2)	1303-22-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Samarium arsenide (SmAs)	ﾋ化ｻﾏﾘｳﾑ	12255-39-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Silicic acid (H4SiO4), tetraethyl ester, polymer with arsenic oxide(As2O3)	酸化ヒ素(As2O3)によるﾎﾟﾘﾏｰのｹｲ酸(H4SiO4)ﾃﾄﾗｴﾁﾙｴｽﾃﾙ	68957-75-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Silicon(1+), tris(2,4-pentanedionato-O,O')-, (OC-6-11)-, hexafluoroarsenate(1-)	ﾄﾘｽ(2, 4-ﾍﾟﾝﾀﾝｼﾞｵﾅﾄｰO,O')ｹｲ素(1-)ﾍｷｻﾌﾙｵﾛﾋ酸(1-)	67251-38-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Silver arsenide (Ag2As)	ヒ化銀 (Ag2As)	70333-07-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium arsenate	ヒ酸二水素ナトリウム	7631-89-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium arsenide (Na3As)	ヒ化ナトリウム	12044-25-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium arsenite	メタ亜ヒ酸ナトリウム	7784-46-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium metaarsenate	アルセネン酸ナトリウム	15120-17-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Strontium arsenide (Sr3As2)	ストロンチウムアルセニド (Sr3As2)	39297-24-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Strontium arsenite	亜ヒ酸ストロンチウム	15195-06-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Strontium arsenite	亜ヒ酸ｽﾄﾛﾝﾁｳﾑ	91724-16-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Strychnidin-10-one, arsenite (1:1)	ｽﾄﾘｷﾆｼﾞﾝ-10-ｵﾝ,亜ヒ酸塩(1:1)	100258-44-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Strychnine arsenate	ｽﾄﾘｷﾆｼﾞﾝ,ヒ酸	10476-82-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sulfonium, triphenyl-, hexafluoroarsenate(1-)	ﾄﾘﾌｪﾆﾙｽﾙﾎﾆｳﾑﾍｷｻﾌﾙｵﾛｱﾙｾﾈｲﾄ	57900-42-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Terbium arsenide (TbAs)	ヒ化ﾃﾙﾋﾞｳﾑ	12006-08-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Thallium arsenide (TlAs)	ヒ化ﾀﾘｳﾑ	12006-09-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Thallium triarsenide	三ヒ化ﾀﾘｳﾑ	84057-85-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Thulium arsenide (TmAs)	ﾋ化ﾂﾘｳﾑ	12006-10-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Triammonium arsenate	ﾋ酸ﾄﾘｱﾝﾓﾆｳﾑ	24719-13-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Triethyl arsenate	ﾋ酸ﾄﾘｴﾁﾙ	15606-95-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Triethyl arsenite	ﾄﾘｴﾄｷｼ砒素	3141-12-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Trimanganese arsenide	ﾋ化三ﾏﾝｶﾞﾝ	61219-26-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Trinickel bis(arsenate)	ﾋ酸,ﾆｯｹﾙ	13477-70-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tris[(8a)-6'-methoxycinchonan-9(R)-ol] arsenite	ﾄﾘｽ((8a)-6'-ﾒﾄｷｼｼﾝｺﾅﾝ-9(R)-ｵｰﾙ) 亜ﾋ酸塩	94138-87-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Tris[(8a,9R)-6'-methoxycinchonan-9-ol] bis(arsenate)	ﾄﾘｽ((8a,9R)-6'-ﾒﾄｷｼｼﾝｺﾅﾝ-9-ｵｰﾙ) ﾋﾞｽ(亜ヒ酸塩)	549-59-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Vanadium(4+) diarsenate (1:1)	二ヒ酸ﾊﾞﾅｼﾞｳﾑ(Ⅳ)(1:1)	99035-51-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Ytterbium arsenide (YbAs)	ﾋ化ｲｯﾃﾙﾋﾞｳﾑ	12006-12-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Yttrium arsenide (YAs)	ﾋ化ｲｯﾄﾘｳﾑ	12255-48-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Zinc arsenenate oxide (Zn5(AsO3)4O3), tetrahydrate	ﾋ酸亜鉛	1303-39-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), zinc salt (2:3)	ﾋ酸亜鉛	13464-44-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Zinc arsenide (Zn3As2)	二ヒ化三亜鉛	12006-40-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Zinc arsenide (ZnAs2)	2砒化1亜鉛	12044-55-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Zinc arsenite	亜ヒ酸亜鉛	10326-24-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Zirconium arsenide (ZrAs)	ﾋ化ｼﾞﾙｺﾆｳﾑ	60909-47-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsorous acid	ﾋ酸	13464-58-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsin	ｱﾙｼﾝ	7784-42-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Diphenoxarsin-10-yloxid	ﾋﾞｽ(10H-ﾌｪﾉｷｻﾙｼﾝ-10-ｲﾙ)ｴｰﾃﾙ	58-36-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Trisilverarsenite	亜ヒ酸銀	7784-08-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Oxophenarsine		306-12-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Methyltriphenylarsonium iodide		1499-33-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
2,7-(bis(2-arsonophenylazo))-1,8-dihydroxynaphthalene-3,6-disulphonic acid		1668-00-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
2-aminophenylarsonic acid		2045-00-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Oxophenarsine hydrochloride		538-03-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Triphenylarsine		603-32-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sulfarsphenamine		618-82-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Phenylarsine oxide		637-03-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Trifluoroarsine		7784-35-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Pentafluoroarsorane		7784-36-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Pentahydroxyarsorane		7786-36-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Flue dust, arsenic-contg.		8028-73-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium 3-[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		3547-38-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium 4-[(o-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonate		3688-92-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-nitrophenylarsonic acid		5410-29-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Neoarsphenamine		457-60-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Dimethylarsinic acid		75-60-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Phenylarsonic acid		98-05-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
4-hydroxyphenylarsonic acid		98-14-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsanilic acid		98-50-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Nitarsone		98-72-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Roxarsone		121-19-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium dimethylarsinate		124-65-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium hydrogen 4-aminophenylarsonate		127-85-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Antimony oxide (Sb2O3), mixed with arsenic oxide (As2O3)		68951-38-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Flue dust, lead-refining		69029-67-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium 3,6-bis[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		62337-00-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Cobalt arsenide		65453-05-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Slimes and Sludges, copper refining		67712-00-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Silicic acid (H4SiO4), zinc salt (1:2), arsenic and manganese-doped		68611-46-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium cacodylate trihydrate		6131-99-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), monosodium salt		10103-60-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Diarsenic acid, sodium salt		13464-42-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich		100995-81-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.		102110-62-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsonic acid, [4-[[4-(dimethylamino)phenyl]azo]phenyl]-, monohydrochloride		73688-85-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tetraphenylarsonium Chloride Hydrochloride Hydrate		123334-18-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium hexafluoroarsenate(V)		12005-86-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Silver hexafluoroarsenate		12005-82-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, ammonium copper salt		94854-78-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, ammonium zinc salt		94854-80-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
ARSENIC ACID (H3ASO4), HEMIHYDRATE		7774-41-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsonic acid, methyl-, calcium salt (1:1)		6423-72-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous acid, tricopper(1+) salt, ammoniated		37337-11-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic tetrasulfide		56729-51-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsonic acid, monoammonium salt		54058-01-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tetraarsenic trisulfide		12512-13-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic(5) hexafluoride		16973-45-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic tetrachloride fluoride		87198-15-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsonic acid, lead(2+) salt (1:1)		109882-46-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic sulfide (As2S5)		1303-34-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic oxide		12777-38-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), ammonium salt (2:1)		127795-79-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Nickel arsenide		12795-30-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous acid, lead(2+) salt (1:1)		100822-74-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), copper(2+) salt (4:1)		102525-64-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
4-Aminophenylarsenoxide		1122-90-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Magnesium arsenate, decahydrate		117746-50-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Boron arsenide (BAs)		12005-69-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Boron arsenide (B6As)		12005-70-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), lead(2+) salt (2:3), tetrahydrate		120119-64-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tin arsenide (SnAs)		12044-32-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tetraarsenic tetrasulfide		12279-90-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenous acid, antimony(3+) salt (1:1)		12523-20-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic selenide		12626-31-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), monopotassium salt, 1/5hydrate		164170-84-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tripotassium arsenate 3/2hydrate		62702-52-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tin arsenide (Sn4As3)		12397-66-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
(2-Chloroethenyl)arsonous dichloride		541-25-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Zinc arsenide		56450-43-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenous acid, iron(3+) salt (1:1)		60168-33-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium oxidoarsonous acid		60189-99-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Gallium arsenic phosphide		60953-19-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Strontium arsenide (SrAs3)		61462-16-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
(4-((2-Amino-2-oxoethyl)amino)phenyl)arsonic acid		618-25-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsonic acid, methyl-, compd. with 1-octanamine (1:1)		6379-37-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Silicic acid (H4SiO4), magnesium manganese(2+) zinc salt, arsenic and lead-doped		68784-76-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenenous acid, silver(1+) salt		69507-43-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous acid, copper(2+) salt, hydrate, (2:3:3)		73156-86-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, neodymium(3+) salt		76871-63-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, lutetium(3+) salt		76871-65-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, cadmium neodymium(3+) salt (5:1:1)		76871-66-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), copper(2+) salt (2:3)	ヒ酸銅(Ⅱ)(Cu3(AsO4)2)	76407-89-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, cesium salt		82005-78-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenenous acid, mercury(2+) salt		82980-40-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, antimony(3+) salt		83877-96-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, cadmium salt		84953-43-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, cobalt(2+) salt		85561-28-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, manganese(2+) salt		85561-29-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, rubidium salt		85906-44-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), calcium salt (7:10)		85949-61-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenenous acid, praseodymium(3+) salt		86859-92-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid, cerium(3+) salt		86859-93-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), copper(2+) salt (1:1), sesquihydrate		88442-64-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), copper(2+) salt (4:5)		89054-01-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), lead(2+) salt (4:5)		89054-03-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), calcium salt (4:5)		89067-81-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous acid, titanium salt		92278-94-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsonic acid, tin salt		93080-00-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
4-[(2-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonic acid		132-33-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Trisodium 4-[(o-arsonophenyl)azo]-3-oxidonaphthalene-2,7-disulphonate		53669-45-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Acetarsol sodium		55588-51-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tetraphenylarsonium (hydrogen dichloride)		21006-73-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Methylenebis(diphenylarsine)		21892-63-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Diphenylarsinecarbonitrile		23525-22-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Bis[(2-diphenylarsinoethyl)phenyl]phosphine		23582-05-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
[2-(diphenylarsino)ethyl]diphenylphosphine		23582-06-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tetraphenylarsonium chloride, compound with hydrochloric acid (1:1)		73003-83-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Strychnidin-10-one, compd. with methylarsonate (1:1)		80879-64-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Methyl 17α-hydroxyyohimban-16α-carboxylate, methylarsonate (1:1)		80925-03-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium 3,6-bis[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		84215-47-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium 3-[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		84215-48-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
3-formamido-4-hydroxyphenylarsonic acid		60154-16-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Bromo(hydroxytetraphenylarsoranato)magnesium		63468-73-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Trisodium 3-[(o-arsonatophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		66019-20-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Leucomycin V, 9-O-[5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl]-, [9(5S,6R)]-, [1,2-ethanediylbis(imino-4,1-phenylene)]bis[arsonate] (1:1) (salt)		93841-79-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
(diphenylarsino)dimethylgallium		94113-53-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
(4-aminophenyl)arsonic acid, compound with piperazine (1:1)		94232-26-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium hydrogen allylarsonate		94278-22-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Disodium p-tolylarsonate		94313-58-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Dibismuth tris(methylarsonate)		85237-42-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenazo III sodium		138608-19-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
(Carboxymethyl)trimethylarsonium hydroxide inner salt		64436-13-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Calcium arsenate (CaHAsO4) (6CI,7CI)		15195-00-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsine, dichloromethyl-		593-89-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
o-phenylenebis(dimethylarsine)		13246-32-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Melarsonyl potassium		13355-00-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Thiobis[methylarsine], anhydrosulphide		13367-92-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), copper(2+) salt (1:1)		13464-31-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid, tripotassium salt		13464-36-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid, calcium salt (1:2)		13464-39-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsonic acid, disodium salt		13466-06-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Boron arsenate		13510-31-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Zinc arsenate, octahydrate		13510-72-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenenous acid		13768-07-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Calcium arsenate fluoride		17068-86-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic chloride (AsCl)		17522-78-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), magnesium salt (2:3)		21480-65-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic pentachloride		22441-45-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous acid, gallium salt (1:1)		24343-41-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Manganese arsenate		27526-45-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous acid, zinc salt (2:3)		28837-97-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), cobalt(2+) salt		29871-10-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
arsenic acid (H3AsO4), calcium salt(2:3), dihydrate		30621-31-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsine oxide, dichloro(2-chlorovinyl)-		333-25-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic acid (H3AsO4), lead(4+) salt (2:1), monohydrate		33940-95-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsonic acid, methyl-, iron salt (9CI)		33972-75-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Arsenenous acid, nickel(2+) salt		33992-49-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenous acid, tripotassium salt		36267-15-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsonate		36465-76-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Iron arsenide		39310-41-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsine, bis(2-chlorovinyl)chloro-		40334-69-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsine, tris(2-chloroethenyl)-		40334-70-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsenic chloride (AsCl2)		41996-37-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Sodium hydrogen [4-[(hydroxyacetyl)amino]phenyl]arsonate		140-45-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium methylarsonate		144-21-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
4-(glycolloylamino)phenylarsonic acid		144-87-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
o-phenylenediarsonic acid		1758-48-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium p-[[4-[3-(2-arsono-4-nitrophenyl)triazen-1-yl]phenyl]azo]benzenesulphonate		1772-02-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
3-amino-4-hydroxyphenylarsonic acid		2163-77-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium methylarsonate		2163-80-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
10-chloro-10H-phenoxarsine		2865-70-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tri-p-tolylarsine		2896-10-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Trisodium 2-(-hydrogen arsonatophenylazo)-1,8-dihydroxynaphthalene-3,6-disulphonate		520-10-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Acetarsol--diethylamine (1:1)		534-33-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tryparsamide		554-72-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
10-chloro-5,10-dihydrophenarsazine		578-94-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium hydrogen [4-(acetamido)phenyl]arsonate		585-54-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Allylarsonic acid		590-34-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Methyloxoarsine		593-58-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Trimethylarsine		593-88-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Dichloro(ethyl)arsine		598-14-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Triethylarsine		617-75-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
4-acetamidophenylarsonic acid		618-22-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
4-(4-dimethylaminophenylazo)phenylarsonic acid		622-68-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Iododimethylarsine		676-75-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Dichloro(phenyl)arsine		696-28-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Chlorodiphenylarsine		712-48-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Diphenylarsine		829-83-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Methyl 1,2,5,6-tetrahydro-1-methylnicotinate, mono[(3-acetamido-4-hydroxyphenyl)arsonate]		900-77-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Methyldiphenylarsine		945-48-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Triphenylarsine oxide		1153-05-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Sodium 4-(glycolloylamino)phenylarsonate		7681-83-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Strychnine dimethylarsinate		10476-87-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium [4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonate		3599-28-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Difetarsone		3639-19-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulpho-2-naphthyl]azo]benzoic acid		3772-44-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
p-tolylarsonic acid		3969-54-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Ethylenebis(diphenylarsine)		4431-24-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
10-[(dimethylthiocarbamoyl)thio]-5,10-dihydrophenarsazine		4808-24-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
4-(2-chloroacetamido)phenylarsonic acid		5425-62-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
4-chlorophenylarsonic acid		5440-04-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Calcium bis(dimethylarsinate)		5785-43-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
[4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonic acid		5806-89-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium hydrogen (3-acetamido-4-hydroxyphenyl)arsonate		5892-48-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Calcium bis(methylarsonate)		5902-95-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Iron tris(dimethylarsinate)		5968-84-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Diiodo(phenyl)arsine		6380-34-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Sodium p-arsonobenzenesulphonate		6634-88-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
4-(4-aminophenylazo)phenylarsonic acid		6966-64-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium hydrogen 2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulphonato-2-naphthyl]azo]benzoate		14674-83-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
2,2'-[ethylenebis(oxy)]bis[1,3,2-dioxarsolane]		14849-23-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Chlorotris(triphenylarsine)rhodium		14973-92-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Proustite (Ag3(AsS3))		15122-58-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tetramethyldiarsine		471-35-2	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Melarsoprol		494-79-1	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tetraphenylarsonium bromide		507-27-7	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Tetraphenylarsonium chloride		507-28-8	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Difetarsone disodium		515-76-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Acetarsol		97-44-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Propylarsonic acid		107-34-6	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Glycobiarsol		116-49-4	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Arsthinol		119-96-0	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Carbarsone		121-59-5	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Methylarsonic acid		124-58-3	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
Disodium arsonoacetate		126-82-9	Arsenic compounds changed from reduced to prohibited. REACH restricted uses (prevention of hull pollution and wood preservation).	Prohibited	Reduced
C.I. Acid Black 29	C.I.ｱｼｯﾄﾞﾌﾞﾗｯｸ29	12217-14-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Black 94, C.I.30336	C.I.ｱｼｯﾄﾞﾌﾞﾗｯｸ94、C.I.30336	6358-80-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Black 131	C.I.ｱｼｯﾄﾞﾌﾞﾗｯｸ131	12219-01-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Acid Black 132	C.I. ｱｼｯﾄﾞﾌﾞﾗｯｸ 132	12219-02-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Black 209	C.I. ｱｼｯﾄﾞﾌﾞﾗｯｸ 209	72827-68-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Brown 415	C.I. ｱｼｯﾄﾞﾌﾞﾗｳﾝ415	97199-27-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Orange 45, C.I.22195	C.I.ｱｼｯﾄﾞｵﾚﾝｼﾞ45、C.I.22195	2429-80-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 4, C.I.14710	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ4、C.I.14710	5858-39-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 5, C.I.14905	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ5、C.I.14905	5858-63-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 24, C.I.16140	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ24、C.I.16140	5858-30-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 35, C.I.18065	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ35、C.I.18065	6441-93-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 85, C.I.22245	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ85、C.I.22245	3567-65-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 104, C.I.26420	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ104、C.I.26420	8006-06-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 114, C.I.23635	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ114、C.I.23635	6459-94-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 115, C.I.27200	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ115、C.I.27200	8005-61-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 116, C.I.26660	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ116、C.I.26660	6245-62-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Acid Red 119:1	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ119:1	90880-75-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 128, C.I.24125	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ128、C.I.24125	6548-30-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 148, C.I.26665	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ148、C.I.26665	6300-53-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 150, C.I.27190	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ150、C.I.27190	6226-78-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 158, C.I.20530	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ158、C.I.20530	8004-55-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 167	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ 167	61901-41-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 264, C.I.18133	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ264、C.I.18133	6505-96-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Red 265, C.I.18129	C.I.ｱｼｯﾄﾞﾚｯﾄﾞ265、C.I.18129	6358-43-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Acid Violet 12, C.I.18075	C.I.ｱｼｯﾄﾞﾊﾞｲｵﾚｯﾄ12、C.I.18075	6625-46-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Basic Brown 4, C.I.21010	C.I.ﾍﾞｰｼｯｸﾌﾞﾗｳﾝ4、C.I.21010	5421-66-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Basic Red 42	C.I.ﾍﾞｰｼｯｸﾚｯﾄﾞ42	12221-66-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Basic Red 76, C.I.12245	C.I.ﾍﾞｰｼｯｸﾚｯﾄﾞ76、C.I.12245	68391-30-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Basic Red 111	C.I.ﾍﾞｰｼｯｸﾚｯﾄﾞ 111	118658-98-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Solvent Yellow 82		12227-67-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Black 4, C.I.30245	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ4、C.I.30245	2429-83-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Black 29, C.I.22580	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ29、C.I.22580	3626-23-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Black 38, C.I.30235	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ38、C.I.30235	1937-37-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Black 154	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｯｸ154	37372-50-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 1, C.I.24410	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ1、C.I.24410	2610-05-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 2, C.I.22590	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ2、C.I.22590	2429-73-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 3, C.I.23705	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ3、C.I.23705	2429-72-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 6, C.I.22610	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ6、C.I.22610	2602-46-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 8, C.I.24140	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ8、C.I.24140	2429-71-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 9, C.I.24155	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ9、C.I.24155	6428-98-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 10, C.I.24340	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ10、C.I.24340	4198-19-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 14, C.I.23850	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ14、C.I.23850	72-57-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Direct Blue 15, C.I.24400	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ15、C.I.24400	2429-74-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 21, C.I.23710	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ21、C.I.23710	6420-09-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 22, C.I.24280	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ22、C.I.24280	2586-57-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 25, C.I.23790	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ25、C.I.23790	2150-54-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 35, C.I.24145	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ35、C.I.24145	6473-33-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 151, C.I.24175	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ151、C.I.24175	110735-25-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 160	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ160	12222-02-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 173	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ 173	12235-72-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 192	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ 192	71838-51-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 215, C.I.24415	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ215、C.I.24415	6771-80-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Blue 295, C.I.23820	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾙｰ295、C.I.23820	6420-22-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 1, C.I.30045	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ1、C.I.30045	3811-71-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 1:2, C.I.30110	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ1:2、C.I.30110	2586-58-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Direct Brown 2, C.I.22311	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ2、C.I.22311	2429-82-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 6, C.I.30140	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ6、C.I.30140	2893-80-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 25, C.I.36030	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ25、C.I.36030	33363-87-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 27, C.I.31725	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ27、C.I.31725	6360-29-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 31, C.I.35660	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ31、C.I.35660	2429-81-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 33, C.I.35520	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ33、C.I.35520	1324-87-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 51, C.I.31710	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ51、C.I.31710	4623-91-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 59, C.I.22345	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ59、C.I.22345	3476-90-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 74, C.I.36300	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ74、C.I.36300	8014-91-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 79, C.I.30050	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ79、C.I.30050	6483-77-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 95, C.I.30145	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ95、C.I.30145	16071-86-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 101, C.I.31740	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ101、C.I.31740	3626-29-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 154, C.I.30120	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ154、C.I.30120	6360-54-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Direct Brown 222, C.I.30368	C.I.ﾀﾞｲﾚｸﾄﾌﾞﾗｳﾝ222、C.I.30368	64743-15-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Brown 223	C.I.ﾀﾞｲﾚｸﾄ ﾌﾞﾗｳﾝ 223	76930-14-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Green 1, C.I.30280	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ1、C.I.30280	3626-28-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Green 6, C.I.30295	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ6、C.I.30295	4335-09-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Green 8, C.I.30315	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ8、C.I.30315	5422-17-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Green 8:1	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ8:1	76012-70-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Green 85, C.I.30387	C.I.ﾀﾞｲﾚｸﾄｸﾞﾘｰﾝ85、C.I.30387	72390-60-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Orange 1, C.I.22370	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ1、C.I.22370	54579-28-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Orange 6	ｼｰｱｲﾀﾞｲﾚｸﾄ ｵﾚﾝｼﾞ6	6637-88-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Orange 7, C.I.23380	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ7、C.I.23380	2868-76-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Orange 8, C.I.22130	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ8、C.I.22130	2429-79-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Orange 10, C.I.23370	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ10、C.I.23370	6405-94-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Orange 108, C.I.29173	C.I.ﾀﾞｲﾚｸﾄｵﾚﾝｼﾞ108、C.I.29173	6358-79-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Direct Red 1, C.I.22310	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ1、C.I.22310	2429-84-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 2, C.I.23500	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ2、C.I.23500	992-59-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 7, C.I.24100	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ7、C.I.24100	2868-75-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 10, C.I.22145	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ10、C.I.22145	2429-70-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 13, C.I.22155	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ13、C.I.22155	1937-35-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 17, C.I.22150	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ17、C.I.22150	2769-07-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 21, C.I.23560	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ21、C.I.23560	6406-01-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 22, C.I.23565	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ22、C.I.23565	6448-80-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 24, C.I.29185	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ24、C.I.29185	6420-44-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 26, C.I.29190	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ26、C.I.29190	3687-80-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 28, C.I.22120	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ28、C.I.22120	573-58-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 37, C.I.22240	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ37、C.I.22240	3530-19-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 39, C.I.23630	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ39、C.I.23630	6358-29-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Direct Red 44, C.I.22500	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ44、C.I.22500	2302-97-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 46, C.I.23050	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ46、C.I.23050	6548-29-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 62, C.I.29175	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ62、C.I.29175	6420-43-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 67, C.I.23505	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ67、C.I.23505	6598-56-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Red 72, C.I.29200	C.I.ﾀﾞｲﾚｸﾄﾚｯﾄﾞ72、C.I.29200	8005-64-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Violet 1, C.I.22570	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ1、C.I.22570	2586-60-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Violet 4, C.I.22555	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ4、C.I.22555	6472-95-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Violet 12, C.I.22550	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ12、C.I.22550	2429-75-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Violet 13, C.I.2480	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ13、C.I.2480	13478-92-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Violet 21, C.I.23520	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ21、C.I.23520	6470-45-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Violet 22, C.I.22480	C.I.ﾀﾞｲﾚｸﾄﾊﾞｲｵﾚｯﾄ22、C.I.22480	6426-67-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Yellow 1, C.I.22250	C.I.ﾀﾞｲﾚｸﾄｲｴﾛｰ1、C.I.22250	6472-91-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Direct Yellow 24, C.I.22010	C.I.ﾀﾞｲﾚｸﾄｲｴﾛｰ24、C.I.222010	6486-29-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Direct Yellow 48, C.I.23660	C.I.ﾀﾞｲﾚｸﾄｲｴﾛｰ48、C.I.23660	6459-97-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Disperse Orange 60	C.I.ﾃﾞｨｽﾊﾟｰｽｵﾚﾝｼﾞ60	12270-44-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Disperse Orange 149	C.I.ﾃﾞｨｽﾊﾟｰｽｵﾚﾝｼﾞ 149	151126-94-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Disperse Red 151, C.I.26130	C.I.ﾃﾞｨｽﾊﾟｰｽﾚｯﾄﾞ151、C.I.26130	61968-47-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Disperse Red 221	C.I.ﾃﾞｨｽﾊﾟｰｽﾚｯﾄﾞ221	64426-35-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Disperse Yellow 7, C.I.26090	C.I.ﾃﾞｨｽﾊﾟｰｽｲｴﾛｰ7、C.I.26090	6300-37-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Disperse Yellow 23, C.I.26070	C.I.ﾃﾞｨｽﾊﾟｰｽｲｴﾛｰ23、C.I.26070	6250-23-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Disperse Yellow 56	C.I.ﾃﾞｨｽﾊﾟｰｽ ｲｴﾛｰ 56	54077-16-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Disperse Yellow 218	C.I.ﾃﾞｨｽﾊﾟｰｽｲｴﾛｰ 218	83929-90-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Mordant Yellow 16	C.I.ﾓﾙﾀﾞﾝﾄｲｴﾛｰ16	8003-87-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Solvent Red 1, C.I.12150	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ1、C.I.12150	1229-55-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Solvent Red 19, C.I.26050	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ19、C.I.26050	6368-72-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Solvent Red 23, C.I.26100	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ23、C.I.26100	85-86-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
C.I. Solvent Red 24, C.I.26105	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ24、C.I.26105	85-83-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Solvent Red 26, C.I.26120	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ26、C.I.26120	4477-79-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Solvent Red 68	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ 68	61813-90-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Solvent Red 69, C.I.27290	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ69、C.I.27290	5413-75-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Solvent Red 164	ｼｰｱｲｿﾙﾍﾞﾝﾄﾚｯﾄﾞ 164	71819-51-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Solvent Red 215	C.I.ｿﾙﾍﾞﾝﾄﾚｯﾄﾞ215	85203-90-3	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
C.I. Solvent Yellow 72	C.I.ｿﾙﾍﾞﾝﾄｲｴﾛｰ72	4645-07-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate (1-)		118685-33-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		68515-50-4	Sunset date elapsed. REACH Annex XVII Authorized Substances	Prohibited	Observation
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	2-(2H-ﾍﾞﾝｿﾞﾄﾘｱｿﾞｰﾙ-2-ｲﾙ)-4,6-ｼﾞ-tert-ﾍﾟﾝﾁﾙﾌｪﾉｰﾙ(UV-328)	25973-55-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Dimethylformamide (N,N-Dimethylformamide)	N､N-ｼﾞﾒﾁﾙﾎﾙﾑｱﾐﾄﾞ	68-12-2	Removed the classification of prohibited substances because NSK products do not fall under any of the prohibited substances.	Observation	Prohibited/Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Acetic acid,2,2'-[(dioctylstannylene)bis(thio)]bis-, 1,1'-diisooctyl ester	ｼﾞｵｸﾁﾙｽｽﾞﾋﾞｽ(ｲｿｵｸﾁﾙﾁｵｸﾞﾘｺﾚｰﾄ)	26401-97-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Bis(dodecylthio)dioctyl stannane		22205-30-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
2-Butenedioic acid, 1,1'-(dioctylstannylene) 4,4'-diethyl ester		68109-88-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Di-n-octyltin bis(2-ethylhexyl maleate)		10039-33-5	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Dioctylbis(pentane-2,4-dionato-O,O')tin		54068-28-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Dioctylbis(stearoyloxy) stannane		22205-26-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		15571-58-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Dioctyltin bis(isooctyl maleate)	ﾋﾞｽｲｿｵｸﾁﾙﾏﾚｲﾝ酸ｼﾞｵｸﾁﾙｽｽﾞ	33568-99-9	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Dioctyltin dichloride	ｼﾞｸﾛﾛｼﾞｵｸﾁﾙｽｽﾞ	3542-36-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Dioctyltin dilaurate		3648-18-8	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Dioctyltin maleate	ｼﾞ-n-ｵｸﾁﾙｽｽﾞﾏﾚｲﾝ酸ｴｽﾃﾙ塩	16091-18-2	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Dioctyltin oxide, (Stannane, dioctyloxo-)	ｼﾞ-n-ｵｸﾁﾙｽｽﾞｵｷｼﾄﾞ	870-08-6	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Dioctyltindineodecanoate		68299-15-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane		93925-43-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
Stannane, dioctyl-, bis(coco acyloxy) derivs.		91648-39-4	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		15571-58-1	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (MOTE)		27107-89-7	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene		13560-89-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene		135821-74-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene		135821-03-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Ethanol, 2-(2-methoxyethoxy)-	2-(2-ﾒﾄｷｼｴﾄｷｼ)ｴﾀﾉｰﾙ (DEGME)	111-77-3	Removed the classification of reduced substances because NSK products do not fall under any of the reduced substances.	Observation	Reduced
Formaldehyde	ﾎﾙﾑｱﾙﾃﾞﾋﾄﾞ	50-00-0	Remove the treatment of non-prohibited as reduced.	Prohibited	Prohibited/Reduced

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)dodecanoyl fluoride		15811-52-6	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Docosafluoro-11-(trifluoromethyl)dodecanoic acid		16486-96-7	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Hexacosafluoro-13-(trifluoromethyl)tetradecanoic acid		18024-09-4	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Perfluoro-n-undecanoic acid		2058-94-8	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Perfluorononan-1-oic acid, sodium salt		21049-39-8	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Perfluorododecanoic acid		307-55-1	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate		307-71-1	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Ammonium nonadecafluorodecanoate		3108-42-7	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Decanoic acid, nonadecafluoro-		335-76-2	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Ammonium octadecafluoro-9-(trifluoromethyl)decanoate		3658-63-7	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Nonanoic acid, heptadecafluoro-		375-95-1	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Perfluoromyristic acid		376-06-7	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Ammonium tricosafluorododecanoate		3793-74-6	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Sodium nonadecafluorodecanoate		3830-45-3	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Perfluorononan-1-oic acid, ammonium salt		4149-60-4	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)lauric acid, compound with ethylamine (1:1)		68015-87-2	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafluoro-13-(trifluoromethyl)myristoyl fluoride		68025-62-7	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Pentacosafluorotridecanoic acid		72629-94-8	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafluoro-2-hydroxyheptadecyl dihydrogen phosphate		94200-43-8	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Bis(2-hydroxyethyl)methyl(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl)ammonium iodide		93776-16-0	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl dihydrogen phosphate		94200-42-7	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoic acid		1765-48-6	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Bis(2-hydroxyethyl)methyl[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]ammonium iodide		94159-76-9	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
2H-Pyran, 2,2,3,3,4,4,5,5,6-nonafluorotetrahydro-6-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-nonadecafluorononyl)-		68155-54-4	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
C9-C14 PFCAs salts and precursors		NA	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Phosphonic acid, perfluoro-C6-12-alkyl derivs.		68412-68-0	The deadline (2/25/2023) issued by REACH restricted substances has been reached.	Prohibited	Observation
Perfluorohexane-1-sulphonic acid		355-46-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Perfluorohexane-1-sulphonic acid, ammonium salt		68259-08-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Perfluorohexane-1-sulphonic acid, potassium salt		3871-99-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonyl bromide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		111393-39-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-dimethyl-		1270179-82-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N,N-diethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		1270179-93-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, polymers with Bu methacrylate, lauryl methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate		127133-66-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-(2-oxiranylmethyl)		129813-71-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
â-Alanine, N-[3-(dimethylamino)propyl]-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		141607-32-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-		1427176-17-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-bis(2-methoxyethyl)-		1427176-20-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Benzenamine, 4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		147029-28-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Fatty acids, C18-unsatd., trimers, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl esters		148240-80-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1,6-diisocyanatohexane homopolymer and ethylene glycol		148684-79-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Benzene, 1-fluoro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		149652-30-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Benzoic acid, 2,3,4,5-tetrachloro-6-[[(3-hydroxyphenyl)amino]carbonyl]-, perfluoro-C6-8-alkanesulfonates (esters), monopotassium salts		160305-97-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, butyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate		160336-17-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate		160901-25-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol, Me Et ketone oxime and polymethylenepolyphenylene isocyanate		160901-26-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Fatty acids, C18-unsatd., trimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters		161074-58-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Sulfonamides, C4-8-alkane, perfluoro, N-(3-chloro-2-hydroxypropyl)-N-methyl		1645842-67-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl) benzene and N-butyl-1-butanamine		1645850-46-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl) benzene		1645852-09-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Siloxanes and Silicones, di-Me, Bu group- and 3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group-terminated, telomers with acrylic acid, di-Me, Me 3-mercaptopropyl siloxanes, Me acrylate, Me methacrylate and 2-[methyl[(perfluoro-c4-8-alkyl)sulfonyl]amino]ethyl acrylate, 2,2'-(1,2-diazenediyl)bis[2-methylpropanenitrile]-initiated		1645852-10-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, polymers with lauryl acrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate		1648534-82-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Poly(oxy-1,2-ethanediyl), á-[2-(methylamino)ethyl]-ù-hydroxy-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., C12-16-alkyl ethers		1648539-69-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-(methylamino)ethyl ester, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., polymers with propene		1648540-20-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Benzene, 1-nitro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		171561-95-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)		178094-71-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), polymers with 1,1'-methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked		178535-22-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl], potassium salts		179005-06-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl]		179005-07-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester		1893-52-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid		192662-29-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with poly(Bu acrylate) and polyethylene-polypropylene glycol mono-Bu ether		222716-67-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Pyridinium, 1-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, inner salt		254889-10-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		30295-56-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxyoctadecanoic acid and 2,4-TDI, ammonium salts		306973-47-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl]		306974-19-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group]-terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]e		306974-28-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonic acids, C6-8-alkane, perfluoro, compds. with polyethylene-polypropylene glycol bis(2-aminopropyl) ether		306974-45-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Fatty acids, C18-unsatd., dimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters		306974-63-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride	2-[ﾒﾁﾙ[(ﾍﾟﾙﾌﾙｵﾛｱﾙｷﾙ(炭素数4-8) ｽﾙﾎﾆﾙ]ｱﾐﾉ]ｴﾁﾙｱｸﾘﾙ酸、塩化ﾋﾞﾆﾘﾃﾞﾝﾎﾟﾘﾏｰ混合体の2-ﾌﾟﾛﾍﾟﾝ酸2-ﾒﾁﾙﾄﾞﾃﾞｼﾙｴｽﾃﾙ	306975-62-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Poly(oxy-1,2-ethanediyl), á-hydro-ù-hydroxy-, polymer with 1,6-diisocyanatohexane, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides-blocked		306975-84-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with N-(hydroxymethyl)-2-propenamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate, stearyl methacrylate and vinylidene chloride		306975-85-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexadecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-propen-1-yl)oxy]ethyl]-, bromide (1:1), polymers with Bu acrylate, Bu methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate		306976-25-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2,4-diisocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2-propenoic acid, N-ethyl-N-(hydroxyethyl)perfluoro-C4-8-alkanesulfonamides-blocked		306976-55-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, telomer with 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate and 1-octanethiol, N-oxides		306977-10-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymers with acrylic acid, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compds. with 2,2'-(methylimino)bis[ethanol]		306977-58-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, butyl ester, polymers with acrylamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride		306978-04-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides- and stearyl alc.-blocked		306978-65-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Poly(oxy-1,2-ethanediyl), á-[2-(methylamino)ethyl]-ù-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs.		306979-40-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-		306980-27-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-		34455-03-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		355-46-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)		3871-99-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
1-Propanaminium, 3-[(carboxymethyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N,N-trimethyl-, inner salt		38850-52-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-3-[(3-sulfopropyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, inner salt		38850-58-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-		38850-60-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		41997-13-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		423-50-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl ester, polymers with polyethylene glycol acrylate Me		504396-13-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		50598-28-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, reaction products with Me Et ketone oxime, 2-mercaptoethanol, 2-[methyl[(perfluoro-C3-8-alkyl)sulfonyl]amino]ethyl acrylate, polymethylenepolyphenylene isocyanate and polypropylene glycol		507225-08-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
1-Propanaminium, N,N,N-trimethyl-3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, chloride (1:1)		52166-82-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)		55120-77-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonyl chloride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		55591-23-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Poly(oxy-1,2-ethanediyl), á-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]-ù-hydroxy-		56372-23-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-2-propen-1-yl-		67584-48-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, potassium salt (1:1)		67584-53-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester		67584-57-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester		67584-61-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester		67906-70-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid		67906-71-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl ester		67939-61-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N,N'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		67939-92-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-(phosphonooxy)ethyl]-		67969-65-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Hexane, 1-(ethenylsulfinyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		680187-85-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Hexane, 1-(ethenylsulfonyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		680187-86-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Carbamic acid, N,N'-(4-methyl-1,3-phenylene)bis-, bis[2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl] ester		68081-83-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-methyloxirane polymer with oxirane di-2-propenoate, 2-methyloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol		68227-87-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and á-(1-oxo-2-propen-1-yl)-ù-methoxypoly(oxy-1,2-ethanediyl)		68227-94-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, butyl ester, telomer with 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,4-butanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol		68227-96-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl ester		68227-98-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-Propenoic acid, ethyl ester, polymer with 4-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,4-butanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl 2-propenoate and 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-		68228-00-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(4-hydroxybutyl)-N-methyl-		68239-74-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt (1:1)		68259-08-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-		68259-15-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Poly[oxy(methyl-1,2-ethanediyl)], á-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]-ù-hydroxy-		68259-38-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(phenylmethyl)-		68298-09-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[[[[5-[[[2-[ethyl[(tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester (9CI)		68298-74-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-Propenoic acid, 2-methyl-, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol		68298-78-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Benzenesulfonic acid, [[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		68299-21-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 4-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl ester, telomer with butyl 2-propenoate, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,4-butanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol		68299-39-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, eicosyl ester, polymer with 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, hexadecyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and octadecyl 2-propenoate		68329-56-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonic acids, C6-12-alkane, perfluoro, potassium salts		68391-09-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, sodium salt (1:1)		68555-70-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-		68555-75-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Polymer based on 67584-55-8		68555-90-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate		68555-91-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate		68555-92-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-chloro-1,3-butadiene, 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate		68568-77-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propenyl)-ù-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propenyl)-ù-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate and 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate (9CI)		68586-13-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, telomer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propen-1-yl)-ù-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propen-1-yl)-ù-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-		68586-14-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with TDI		68608-13-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene]		68608-14-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-, reaction products with N-ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide, polymethylenepolyphenylene isocyanate and stearyl alc.		68649-26-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-oxiranylmethyl 2-methyl-2-propenoate		68797-76-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Benzoic acid, 2,3,4,5-tetrachloro-6-[[[3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]oxy]phenyl]amino]carbonyl]-, potassium salt (1:1)		68815-72-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-Propenoic acid, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and á-(1-oxo-2-propen-1-yl)-ù-methoxypoly(oxy-1,2-ethanediyl)		68867-60-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 1-octanethiol and á-(1-oxo-2-propen-1-yl)-ù-methoxypoly(oxy-1,2-ethanediyl)		68867-62-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-methyl-1,3-butadiene		68877-32-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Chromium, diaquatetrachloro[ì-[N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]glycinato-êO:êO']]-ì-hydroxybis(2-propanol)di-		68891-98-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-Propenoic acid, eicosyl ester, polymers with branched octyl acrylate, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl acrylate, 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl acrylate, polyethylene glycol acrylate Me ether and stearyl acrylate		68909-15-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		68957-32-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, ethyl ester		68957-53-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Propanaminium, N,N,N-trimethyl-3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, iodide (1:1)		68957-58-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, hydrochloride (1:1)		68957-61-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)		70225-16-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Propanaminium, N,N,N-trimethyl-3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, sulfate (2:1)		70248-52-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate and 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate		70776-36-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[[[[2-methyl-5-[[[4-[methyl[(tridecafluorohexyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl ester (9CI)		70900-36-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, 2-[[[[5-[[[4-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[[[[2-methyl-5-[[[4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[2-methyl-5-[[[4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[2-methyl-5-[[[4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[2-methyl-5-[[[4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol		70900-40-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 2-[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-propenoic acid		71487-20-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-2-hydroxy-, sodium salt (1:1)		73772-32-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, acetate (1:1)		73772-33-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-[2-(2-hydroxyethoxy)ethoxy		73772-34-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Benzene, 1-chloro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		76848-59-4	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1H-Benzimidazolium, 1,3-diethyl-2-methyl-5-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, 4-methylbenzenesulfona		76848-68-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Propanesulfonic acid, 3-[methyl[3-[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]propyl]amino]-, sodium salt (1:1)		80621-17-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Propanaminium, N-(2-hydroxyethyl)-3-[(2-hydroxy-3-sulfopropyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N-dimethyl-, hydroxide, sodium salt (1:1:1)		81190-38-7	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt (1:1)		82382-12-5	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-propyl-		85665-64-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Glycine, N-propyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, potassium salt (1:1)		85665-66-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation
1-Hexanesulfinic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (2:1)		86525-30-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Thiophene, 2-[2-[(tridecafluorohexyl)sulfonyl]ethenyl]-		86525-43-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Furan, 2-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-		86525-48-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Benzene, 1-methyl-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-		86525-51-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Benzene, 1-methoxy-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-		86525-52-2	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Thiophene, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-48-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Furan, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-49-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Benzene, 1-methyl-4-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-50-3	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Thiophene, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-55-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Furan, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-56-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2,4-Pentanedione, 3-[1-(2-thienyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-63-8	Added to POPs, changed to prohibited substances.	Prohibited	Observation
2,4-Pentanedione, 3-[1-(2-furanyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-		89863-64-9	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with epichlorohydrin, adipates (esters)		91081-99-1	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Isoxazolidine, 4-(4-methoxyphenyl)-2-methyl-5-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		93416-31-0	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonic acids, C6-12-alkane, perfluoro		93572-72-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Sulfonamides, C4-8-alkane, perfluoro, N-[4,7-dimethyl-4-[[(1-methylpropylidene)amino]oxy]-3,5-dioxa-6-aza-4-silanon-6-en-1-yl]-N-ethyl		944578-05-6	Added to POPs, changed to prohibited substances.	Prohibited	Observation
Octafluorocyclobutane		115-25-3	Added to GADSL #176 (PFAS). Prior to the enforcement of the law. Controlled Substance.	Observation	Prohibited
1,2-Dibromotetrafluoroethane		124-73-2	Added to GADSL #176 (PFAS). Prior to the enforcement of the law. Controlled Substance.	Observation	Prohibited

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.4)	List Ver 7.4 Management Classification	List Ver 7.3a Management Classification
Dihexyl phthalate	ﾌﾀﾙ酸ｼﾞﾍｷｼﾙ	84-75-3	Removed the classification of prohibited substances because NSK products do not fall under any of the prohibited substances.	Reduced/Observation	Prohibited/Reduced/Observation
1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1	1,4,5,8-ﾃﾄﾗｱﾐﾉｱﾝﾄﾗｷﾉﾝ; C.I. ｼﾞｽﾊﾟｰｽﾌﾞﾙｰ1	2475-45-8	Removed the classification of prohibited substances because NSK products do not fall under any of the prohibited substances.	Observation	Prohibited/Observation
Bis(2-methoxyethyl) ether		111-96-6	Sunset date elapsed. REACH Annex XVI Authorized Substances	Prohibited	Observation
N-pentyl-isopentylphthalate		776297-69-9	set date elapsed. REACH Annex XVI Authorized Substances	Prohibited	Observation
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (“Dechlorane Plus”™)		-	Added to POPs, changed to prohibited substances.	Prohibited	Observation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,4-Benzenediamine, N,N' -mixed phenyl and tolyl derivs	1,4-ﾍﾞﾝｾﾞﾝｼﾞｱﾐﾝ	68953-84-4	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
N, N'-di-4-tolyl-1,4-phenylenediamine	N,N'-ｼﾞ-4-ﾄﾘﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	620-91-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
N, N'-di-2-tolyl-1,4-phenylenediamine	N,N'-ｼﾞ-2-ﾄﾘﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	15017-02-4	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
N, N'-ditolyl-1,4-phenylenediamine	N,N'-ｼﾞﾄﾘﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	27417-40-9	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
N, N'-bis (dimethylphenyl) -1,4-phenylenediamine	N,N'-ﾋﾞｽ(ｼﾞﾒﾁﾙﾌｪﾆﾙ)-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	28726-30-9	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
N- (dimethylphenyl) -N'-tolyl-1,4-phenylenediamine	N-(ｼﾞﾒﾁﾙﾌｪﾆﾙ)-N'-ﾄﾘﾙ-1,4-ﾌｪﾆﾚﾝｼﾞｱﾐﾝ	70290-05-0	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
2-Benzothiazolesulphenamide, N, N-dicyclohexyl-	N.N-ｼﾞｼｸﾛﾍｷｻﾝ-1-ｲﾙ(1.3-ﾍﾞﾝｿﾞﾁｱｿﾞｰﾙ-2-ｲﾙｽﾙﾌｧﾆﾙ)ｱﾐﾝ	4979-32-2	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Alkanes, C10-12, chloro	ｱﾙｶﾝ, C10-12, ｸﾛﾛ	108171-26-2	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Alkanes, C10-13, chloro	ｱﾙｶﾝ, C10-13, ｸﾛﾛ	85535-84-8	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Alkanes, C12-13, chloro	ｱﾙｶﾝ, C12-13, ｸﾛﾛ	71011-12-6	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Alkanes, C10-21, chloro	ｱﾙｶﾝ, C10-21, ｸﾛﾛ	84082-38-2	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Alkanes, chloro; chloroparaffins	塩素化塩化炭化水素類	61788-76-9	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Paraffin oils, chloro		85422-92-0	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Paraffin waxes, chloro	塩素化ﾊﾟﾗﾌｨﾝﾜｯｸｽ	63449-39-8	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Chlorinated n-paraffins (C6-18)	塩化ﾊﾟﾗﾌｨﾝ(炭素数6-18ﾉ化合物ﾆ限ﾙ)	68920-70-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Alkane, C10-14-, Chloro-	ｱﾙｶﾝ､C10-14､ｸﾛﾛ	85681-73-8	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Alkane, C12-14-, Chloro-	ｱﾙｶﾝ､C12-14､ｸﾛﾛ	85536-22-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Alkanes, C10-26, chloro		97659-46-6	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Alkanes, C10-32, chloro		84776-06-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Paraffins (petroleum), normal C>10, chloro		97553-43-0	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Undecane, 1,1,1,3,5,7,9,11,11-nonachloro-		18993-26-5	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Undecane, 1,1,1,3,6,7,10,11-octachloro-		601523-20-0	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Undecane, 1,1,1,3,9,11,11,11-octachloro-		601523-25-5	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Undecane, 1,2,10,11,?,?,?,?-octachloro-		221174-07-8	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Undecane, decachloro-		276673-33-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Undecane, heptachloro-		219697-10-6	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Undecane, nonachloro-		219697-11-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Undecane, octachloro-		36312-81-9	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
1,1,1,2-tetrachloroundecane		63981-28-2	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Chlorinated microcrystalline hydrocarbon waxes (petroleum)		68938-43-2	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Chloroalkane (C = 10 to 22)		104948-36-9	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Chloroalkane (C = 12 to 16)		866758-65-8	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Cyclododecane, hexabromo- (HBCD)		25637-99-4	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,2,5,6,9,10-Hexabromocyclododecane		3194-55-6	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
rel-(1R, 2S, 5R, 6S, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		4736-49-6	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
rel-(1R, 2S, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane		65701-47-5	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
rel-(1R, 2R, 5S, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	α-ﾍｷｻﾌﾞﾛﾓｼｸﾛﾄﾞﾃﾞｶﾝ	134237-50-6	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
rel-(1R, 2S, 5R, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	β-ﾍｷｻﾌﾞﾛﾓｼｸﾛﾄﾞﾃﾞｶﾝ	134237-51-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
rel-(1R, 2R, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane	γ-ﾍｷｻﾌﾞﾛﾓｼｸﾛﾄﾞﾃﾞｶﾝ	134237-52-8	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
(1R, 2R, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		138257-17-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
(1R, 2R, 5R, 6S, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		138257-18-8	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
(1R, 2S, 5S, 6R, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		138257-19-9	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
(1R, 2S, 5S, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane		169102-57-2	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
(1R, 2R, 5S, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		678970-15-5	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
(1R, 2S, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		678970-16-6	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
(1R, 2R, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane		678970-17-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Hexachlorobenzene	ﾍｷｻｸﾛﾛﾍﾞﾝｾﾞﾝ	118-74-1	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Hexachloro-1,3-butadiene (HCBD)	ﾍｷｻｸﾛﾛ-1, 3-ﾌﾞﾀｼﾞｴﾝ (HCBD)	87-68-3	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
1,2-Dibromo-1,1-difluoroethane	1,2-ｼﾞﾌﾞﾛﾓ-1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ	75-82-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dibromofluoromethane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾒﾀﾝ	1868-53-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
C2H2F2Br2: 1,1-Dibromo-2,2-difluoroethane (Ethane, 1,1-Dibromo-2,2-difluoro-)	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	359-19-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Bromodifluoromethane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾒﾀﾝ	1511-62-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Bromo-2-fluoroethane	ﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	762-49-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Bromo-3-fluoropropane (Propane, 1-Bromo-3-fluoro-)	ﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	352-91-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
3-Bromo-1,1,1-trifluoropropane (Propane, 3-Bromo-1,1,1-trifluoro-)	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-32-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dibromo-1-fluoroethane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	358-97-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,3-Dibromo-1,1-difluoropropane	ｼﾞﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-25-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dibromo-1,1,2-trifluoroethane	ｼﾞﾌﾞﾛﾓﾄﾘﾌﾙｵﾛｴﾀﾝ	354-04-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2,3-Dibromo-1,1,1-trifluoropropane	ｼﾞﾌﾞﾛﾓﾄﾘﾌﾙｵﾛｴﾀﾝ	431-21-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,2-tetrabromo-2-fluoro-ethane	ﾃﾄﾗﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	353-93-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2,2-tetrabromo-1-fluoro-ethane	ﾃﾄﾗﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	306-80-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1-tribromo-2,2-difluoroethane	ﾄﾘﾌﾞﾛﾓｼﾞﾌﾙｵﾛｴﾀﾝ	7304-53-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2,2-tribromo-1,1-difluoroethane	ﾄﾘﾌﾞﾛﾓｼﾞﾌﾙｵﾛｴﾀﾝ	677-34-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2-tribromo-1,2-difluoroethane	ﾄﾘﾌﾞﾛﾓｼﾞﾌﾙｵﾛｴﾀﾝ	353-97-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2-tribromo-1-fluoroethane	ﾄﾘﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	420-88-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2-tribromo-2-fluoroethane	ﾄﾘﾌﾞﾛﾓﾌﾙｵﾛｴﾀﾝ	598-67-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
C2H3F2Br: Bromo-1,1-difluoroethane (Ethane, 2-bromo-1,1-difluoro-)	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛｴﾀﾝ	359-07-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
C3HFBr6		none	Intentionally added	Remove impurity threshold conditions.	Threshold 0
C3HF2Br5		none	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
C3HF3Br4		none	Intentionally added	Remove impurity threshold conditions.	Threshold 0
C3HF4Br3	ﾄﾘﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HBFC-224 B3)	666-48-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
C3H2FBr5		none	Intentionally added	Remove impurity threshold conditions.	Threshold 0
C3H2F2Br4	ﾃﾄﾗﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HBFC-232 B4)	148875-98-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2,2-Tribromo-3,3,3-trifluoropropane	ﾄﾘﾌﾞﾛﾓﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HBFC-233 B3)	421-90-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,3-Dibromo-1,1,3,3-tetrafluoropropane	ｼﾞﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HBFC-234 B2)	460-86-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-bromo-1,1,2,2,2-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	422-01-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-bromo-1,1,1,2,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	677-52-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-bromo-1,1,2,2,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	677-53-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-bromo-1,1,1,3,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	22692-16-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-bromo-1,1,3,3,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-88-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-bromo-1,2,2,3,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	679-94-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-bromo-1,1,2,3,3-pentafluoro-propane	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	26391-11-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R*,S*)- (9CI)	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	53692-43-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R*,R*)- (9CI)	ﾌﾞﾛﾓﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	53692-44-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
C3H3FBr4	ﾃﾄﾗﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HBFC-241 B4)	148875-95-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2,3-Tribromo-3,3-difluoropropane	ﾄﾘﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	666-25-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-bromo-1,1,3,3-tetrafluoro-propane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	19041-01-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-bromo-1,3,3,3-tetrafluoropropane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	29151-25-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
3-Bromo-1,1,2,2-tetrafluoropropane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	679-84-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-bromo-1,1,2,2-tetrafluoropropane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	70192-84-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-bromo-1,2,2,3-tetrafluoro-propane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	70192-71-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
3-bromo-1,1,1,3-tetrafluoropropane	ﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-67-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
C3H4FBr3	ﾄﾘﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	75372-14-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dibromo-3-fluoropropane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	453-00-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,3-Dibromo-2-fluoropropane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	1786-38-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,3-Dibromo-1-fluoropropane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	51584-26-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dibromo-1-fluoro-(R*,S*)-propane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	62135-10-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dibromo-1-fluoro-(R*,R*)-propane	ｼﾞﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	62135-11-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-bromo-1,1-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	430-87-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-bromo-1,1-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	420-89-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-bromo-2,2-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	420-98-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-bromo-1,3-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2195-05-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
3-bromo-1,1-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	461-49-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-bromo-2,3-difluoro-propane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	111483-20-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Bromo-1,1-difluoroethane	ﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	420-47-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Bromo-1,1,2,3,3,3-hexafluoropropane	ﾌﾞﾛﾓﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2252-78-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-Bromo-1,1,1-trifluoroethane	ﾌﾞﾛﾓﾄﾘﾌﾙｵﾛｴﾀﾝ	421-06-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethene, 2-bromo-1,1-difluoro-	2-ﾌﾞﾛﾓ-1,1-ｼﾞﾌﾙｵﾛｰｴﾀﾝ	359-08-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Propane, 1-bromo-2-fluoro-	ﾌﾞﾛﾓﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	1871-72-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dibromodifluoromethane	ｼﾞﾌﾞﾛﾓｼﾞﾌﾙｵﾛﾒﾀﾝ	75-61-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Bromoethane		74-96-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Bromotetrafluoroethane		124-72-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dibromopentafluoropropane		431-78-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tribromodifluoropropane		70192-80-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Bromotrifluoropropane		421-46-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tribromodifluoroethane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tribromofluoroethane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Hexabromofluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Pentabromodifluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tetrabromotrifluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tribromotetrafluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Pentabromofluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tetrabromodifluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tribromotrifluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dibromotetrafluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tetrabromofluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Bromodifluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)	1,1-ｼﾞｸﾛﾛ-1,2,2-ﾄﾘﾌﾙｵﾛｴﾀﾝ	812-04-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2,2-Trichloro-1,1-difluoroethane	1,2,2-ﾄﾘｸﾛﾛ-1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ	354-21-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)		354-23-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1,1-difluoroethane	1,2-ｼﾞｸﾛﾛ-1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ	1649-08-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1,2-difluoroethane	1,2-ｼﾞｸﾛﾛ-1,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	431-06-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-chloro-1,3-difluoropropane	ｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-262)	102738-79-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichloro-1,2,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	111512-56-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tetrachlorodifluoropropane	ﾃﾄﾗｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HCFC-232)	127564-82-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorodifluoropropane	ﾄﾘｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HCFC-242)	127564-90-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorotetrafluoropropane	ﾄﾘｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	127564-91-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2,2-Dichloro-1,1,1,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	128903-21-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Chlorotrifluoroethane	ｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ	1330-45-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tetrachlorofluoropropane	ﾃﾄﾗｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-241)	134190-49-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorofluoropropane	ﾄﾘｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-251)	134190-51-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Hexachlorofluoropropane	ﾍｷｻｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-221)	134237-35-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Pentachlorodifluoropropane	ﾍﾟﾝﾀｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	134237-36-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tetrachlorotrifluoropropane	ﾃﾄﾗｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-223)	134237-37-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorotetrafluoropropane	ﾄﾘｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	134237-38-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tetrachlorodifluoropropane	ﾃﾄﾗｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HCFC-232)	134237-39-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorotrifluoropropane	ﾄﾘｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-233)	134237-40-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Chloropentafluoropropane	ｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-235)	134237-41-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorodifluoropropane	ﾄﾘｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HCFC-242)	134237-42-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorotrifluoropropane	ｼﾞｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-243)	134237-43-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Chlorotrifluoropropane	ｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-253)	134237-44-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorofluoropropane	ｼﾞｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-261)	134237-45-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichloro-1,2,2,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名HCFC-225)	13474-88-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,3-Dichloro-1,1,2,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名HCFC-225)	136013-79-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichloro-1,2-difluoroethane	ｼﾞｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ	1842-05-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorofluoroethane	ｼﾞｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-141)	25167-88-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorodifluoroethane	ｼﾞｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ(HCFC-132)	25915-78-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Hexachlorofluoropropane	ﾍｷｻｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-221)	29470-94-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tetrachlorotrifluoropropane	ﾃﾄﾗｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-223)	29470-95-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2,3-Dichloro-1,1,1-trifluoropropane		338-75-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Trichlorodifluoroethane	ﾄﾘｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ(HCFC-122)	41834-16-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-chloro-2-fluoropropane	ｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-271)	420-44-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1,1,2,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	422-44-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	127564-92-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2,3-Dichloro-1,1,1,2,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	422-48-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichloro-2,2,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	422-56-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	431-86-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
3-Chloro-1,1,1-trifluoropropane	3-ｸﾛﾛ-1,1,1-ﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-35-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
3,3-Dichloro-1,1,1-trifluoropropane	3,3-ｼﾞｸﾛﾛ-1,1,1-ﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-69-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-chloro-1,1,3,3,3-pentafluoropropane	1-ｸﾛﾛ-1,1,3,3,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-92-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,3-Dichloro-1,1,2,2,3-pentafluoropropane	1,3-ｼﾞｸﾛﾛ-1,1,2,2,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-225cb)	507-55-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorotrifluoropropane	ﾄﾘｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-233)	61623-04-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
3-Chloro-1,1,2,2-tetrafluoropropane	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-244)	679-85-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,1,1-Trichloro-3,3,3-trifluoropropane		7125-83-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichloro-1,2,2-trifluoropropane	ｼﾞｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名 HCFC-243)	7125-99-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichloro-1-fluoropropane	ｼﾞｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-261)	7799-56-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,3-trichloro-1-fluoropropane	ﾄﾘｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-251)	818-99-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorodifluoropropane	ｼﾞｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-252)	134190-52-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorofluropropane		127404-11-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorotetrafluoropropane	ｼﾞｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-234)	127564-83-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorotrifluoropropane	ｼﾞｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-243)	116890-51-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1-fluoroethane	ｼﾞｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-141)	430-57-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1-fluoroethylene	ｼﾞｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-141)	430-58-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(HCFC-124)	354-25-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Chloro-1,1-difluoroethane	1-ｸﾛﾛ-1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ (HCFC-142b)	75-68-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Chlorodifluoroethanes	ｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ(HCFC-142)	25497-29-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Chlorodifluoromethane	ｸﾛﾛｼﾞﾌﾙｵﾛﾒﾀﾝ	75-45-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Chlorofluoromethane	ｸﾛﾛﾌﾙｵﾛﾒﾀﾝ	593-70-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Chlorotetrafluoroethane	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(HCFC-124)	63938-10-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorofluoromethane	ｼﾞｸﾛﾛﾌﾙｵﾛﾒﾀﾝ(別名HCFC-21)	75-43-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorotrifluoroethane	ｼﾞｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ(HCFC-123)	34077-87-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, 1,1,1-trichloro-2-fluoro-	1,1,1-ﾄﾘｸﾛﾛ-2-ﾌﾙｵﾛｴﾀﾝ	2366-36-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, 1,1,2-trichloro-1-fluoro-	ﾄﾘｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-131)	811-95-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, 1,1,2-trichloro-2-fluoro-	1,1,2-ﾄﾘｸﾛﾛ-2-ﾌﾙｵﾛｴﾀﾝ	359-28-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, 1,1-dichloro-1-fluoro-	1,1-ｼﾞｸﾛﾛ-1-ﾌﾙｵﾛｴﾀﾝ (HCFC-141b)	1717-00-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, 1,2-difluoro-1,1,2-trichloro-	1,1,2-ﾄﾘｸﾛﾛ-1,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	354-15-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, 1-chloro-1,2-difluoro-	ｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ(HCFC-142)	338-64-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, 2,2-dichloro-1,1,1-trifluoro-	2,2-ｼﾞｸﾛﾛ-1,1,1-ﾄﾘﾌﾙｵﾛｴﾀﾝ(HCFC-123)	306-83-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, 2-chloro-1,1,1,2-tetrafluoro-	2-ｸﾛﾛ-1,1,1,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ(別名HCFC-124)	2837-89-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Ethane, chloro-1,1-difluoro-	ｸﾛﾛ-1,1-ｼﾞﾌﾛﾛｴﾀﾝ	55949-44-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, monochlorodifluoro-	ﾓﾉｸﾛﾛｼﾞﾌﾙｵﾛｴﾀﾝ	338-65-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorofluoroethane	ﾄﾘｸﾛﾛﾌﾙｵﾛｴﾀﾝ	27154-33-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
chlorodifluoropropane	ｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-262)	134190-53-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
chlorofluoroethane	ｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-151)	110587-14-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
chlorofluoroopropane		134190-54-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
chlorohexafluoropropane	ｸﾛﾛﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(HCFC-226)	28987-04-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
chloropentafluoropropane	ｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-235)	108662-83-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
chlorotetrafluoropropane	ｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名HCFC-244)	134190-50-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
chlorotrifluoropropane	ｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-253)	26588-23-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
chloro-1,1,1-trifluoroethane	ｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ(別名HCFC-133)	75-88-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Pentachlorodifluoropropane	ﾍﾟﾝﾀｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	116867-32-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Pentachlorofluoropropane	ﾍﾟﾝﾀｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (HCFC-231)	134190-48-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1-chloro-1,1,2-trifluoroethane	ｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ(HCFC-133)	421-04-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-chloro-1,2,2-trifluoroethane	ｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ(別名HCFC-133)	431-07-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichloro-2-fluoroethane	1,1-ｼﾞｸﾛﾛ-2-ﾌﾙｵﾛｴﾀﾝ	430-53-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichloro-2,2-difluoroethane	1,1-ｼﾞｸﾛﾛ-2,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	471-43-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,2-Tetrachloro-2-fluoroethane	ﾃﾄﾗｸﾛﾛﾌﾙｵﾛｴﾀﾝ(HCFC-121)	354-11-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2,2-Tetrachloro-1-fluoroethane	ﾃﾄﾗｸﾛﾛﾌﾙｵﾛｴﾀﾝ	354-14-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,2,3,3,3-Heptachloro-2-fluoropropane		422-81-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Chloromethane		74-87-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tetrachlorofluoroethane		134237-32-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1-Trichloro-2,2-difluoroethane		354-12-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1,1,2-trifluoroethane		90454-18-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorofluoroethane		134237-34-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Chloro-2-fluoroethane		762-50-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1-Chloro-1-fluoroethane		1615-75-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,3,3-pentachloro-2,2-difluoropropane		422-49-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2,2,3,3-pentachloro-1,1-difluoropropane		422-30-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,3,3-Tetrachloro-1,2,2-trifluoropropane		422-52-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,3-Tetrachloro-2,2,3-trifluoropropane		422-50-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,3-Trichloro-1,2,2,3-tetrafluoropropane		422-53-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1-Trichloro-2,2,3,3-tetrafluoropropane		422-51-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Chlorohexafluoropropane		134308-72-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
2-Chloro-1,1,1,3,3,3-hexafluoro-propane		431-87-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,2,3-pentachloro-2-fluoro-propane		421-94-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,3-Tetrachloro-3,3-difluoropropane		460-89-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1,2,3,3-tetrafluoropropane		425-94-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2,3-Tetrachloro-1-fluoropropane		666-27-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,3,3,Trichloro-1,1-difluoropropane		460-63-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Chloro-1,1,2,2-tetrafluoropropane		421-75-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2-Trichloro-1-fluoropropane		421-41-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-2-fluoro-propane		420-97-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Chloro-2,2-difluoropropane		420-99-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Chloro-1,1-difluoropropane		421-02-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1-Chloro-1-fluoropropane		430-55-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,3-Tetrachloro-2,2,3,3-tetrafluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2-Trichloropentafluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,3-Trichloropentafluoropropane		-	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,2,2,3,3-Heptafluoropropane	1,1,1,2,2,3,3-ﾍﾌﾟﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2252-84-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,2,3,3-Hexafluoropropane	1,1,1,2,3,3-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	431-63-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,2-Tetrafluoroethane	1,1,1,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	811-97-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,1,2,2-Tetrafluoroethane	1,1,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	359-35-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2-Trifluoroethane	1,1,2-ﾄﾘﾌﾙｵﾛｴﾀﾝ	430-66-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Difluoroethane	1,1-ｼﾞﾌﾙｵﾛｴﾀﾝ	75-37-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Difluoroethane	1,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	624-72-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Difluoroethane	ｼﾞﾌﾙｵﾛｴﾀﾝ	25497-28-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Difluoromethane	ｼﾞﾌﾙｵﾛﾒﾀﾝ	75-10-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, 1,1,1-trifluoro-	1,1,1-ﾄﾘﾌﾙｵﾛｴﾀﾝ	420-46-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethane, pentafluoro-	ﾍﾟﾝﾀﾌﾙｵﾛｴﾀﾝ	354-33-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Ethyl fluoride	ｴﾁﾙﾌﾙｵﾘﾄﾞ	353-36-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Methyl fluoride	ﾌｯ化ﾒﾁﾙ	593-53-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,2,2-Pentafluoropropane	1,1,1,2,2-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	1814-88-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,3,3-Pentafluoropropane	1,1,1,3,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	460-73-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,3,3-Pentafluorobutane	1,1,1,3,3-ﾍﾟﾝﾀﾌﾙｵﾛﾌﾞﾀﾝ	406-58-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-	1,1,1,2,2,3,4,5,5,5-ﾃﾞｶﾌﾙｵﾛﾍﾟﾝﾀﾝ	138495-42-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Propane, 1,1,1,2,3,3,3-heptafluoro-	1,1,1,2,3,3,3-ﾍﾌﾟﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	431-89-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Propane, 1,1,1,3,3,3-hexafluoro-	1,1,1,3,3,3-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	690-39-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Propane, hexafluoro-	ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	27070-61-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trifluoroethane	ﾄﾘﾌﾙｵﾛｴﾀﾝ	27987-06-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trifluoromethane	ﾄﾘﾌﾙｵﾛﾒﾀﾝ	75-46-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2,2,3-Pentafluoropropane		679-86-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trifluoroiodomethane		2314-97-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,3-Dicloro-1,1-difluoropropane		819-00-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Monomethyldibromodiphenylmethane	ﾓﾉﾒﾁﾙｼﾞﾌﾞﾛﾓｼﾞﾌｪﾆﾙﾒﾀﾝ (DBBT)	99688-47-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Monomethyldichlorodiphenylmethane	ﾓﾉﾒﾁﾙｼﾞｸﾛﾛｼﾞﾌｪﾆﾙﾒﾀﾝ	81161-70-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Monomethyltetrachlorodiphenylmethane	ﾓﾉﾒﾁﾙﾃﾄﾗｸﾛﾛｼﾞﾌｪﾆﾙﾒﾀﾝ	76253-60-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Dimethylnitrosoamine ; N-nitrosodimethylamine Methanamine, N-methyl-N-nitroso-	N-ﾆﾄﾛｿｼﾞﾒﾁﾙｱﾐﾝ	62-75-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,2-Tetrachlor-2,2-difluoroethane	1,1-ｼﾞﾌﾙｵﾛﾃﾄﾗｸﾛﾛｴﾀﾝ	76-11-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,3,3,3-Hexachlor-2,2-difluoropropane	ﾍｷｻｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (CFC212)	3182-26-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,3,3-Pentachlor-2,2,3-trifluoropropane	ﾍﾟﾝﾀｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2354-06-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1,3-Tetrachlorotetrafluoropropane	1,1,1,3-ﾃﾄﾗｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	2268-46-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,1-Trichloropentafluoropropane	1,1,1-ﾄﾘｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	4259-43-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1,2-trichloro-1,2,2-trifluoroethane	1,1,2-ﾄﾘｸﾛﾛ-1,2,2-ﾄﾘﾌﾙｵﾛｴﾀﾝ	76-13-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dibromo-1,2,2,2-tetrafluoroethane	1,1-ｼﾞﾌﾞﾛﾓ-1,2,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	27336-23-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,1-Dichlor-1,2,2,2-tetrafluoroethane	1,1-ｼﾞｸﾛﾛ-1,2,2,2-ﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	374-07-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2,2-Trichloropentafluoropropane	1,2,2-ﾄﾘｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	1599-41-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2,3-Trichloropentafluoropropane	1,2,3-ﾄﾘｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名ﾌﾛﾝ215)	76-17-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane	1,2-ｼﾞｸﾛﾛ-1,1,2,3,3,3-ﾍｷｻﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	661-97-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	ｼﾞｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名:HCFC-225)	127564-92-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
1,2-Difluorotetrachloroethane	1,1,2,2-ﾃﾄﾗｸﾛﾛ-1,2-ｼﾞﾌﾙｵﾛｴﾀﾝ	76-12-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Bromochlorodifluoromethane	ﾌﾞﾛﾓｸﾛﾛｼﾞﾌﾙｵﾛﾒﾀﾝ	353-59-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Bromofluoromethane	ﾌﾞﾛﾓﾌﾙｵﾛﾒﾀﾝ	373-52-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Bromotrifluoromethane	ﾌﾞﾛﾓﾄﾘﾌﾙｵﾛﾒﾀﾝ	75-63-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Carbon tetrachloride	四塩化炭素	56-23-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Chlorobromomethane	ﾌﾞﾛﾓｸﾛﾛﾒﾀﾝ	74-97-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Chlorotrifluoromethane	ｸﾛﾛﾄﾘﾌﾙｵﾛﾒﾀﾝ	75-72-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Cryofluorane	ｼﾞｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ (CFC114)	76-14-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dibromotetrafluoroethane	ｼﾞﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	25497-30-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dibromotetrafluoroethane (Halon 2402)	ｼﾞﾌﾞﾛﾓﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	124-73-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Dichlorodifluoromethane	ｼﾞｸﾛﾛｼﾞﾌﾙｵﾛﾒﾀﾝ	75-71-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
dichlorotetrafluoroethane	ｼﾞｸﾛﾛﾃﾄﾗﾌﾙｵﾛｴﾀﾝ	1320-37-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Heptachlorofluoropropane	ﾍﾌﾟﾀｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (CFC211)	135401-87-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Heptachlorofluoropropane	ﾍﾌﾟﾀｸﾛﾛﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ (CFC211)	422-78-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Heptafluoropropyl chloride	ﾓﾉｸﾛﾛﾍﾌﾟﾀﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	422-86-6	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Hexachlorodifluoropropane	ﾍｷｻｸﾛﾛｼﾞﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	134452-44-1	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Methyl bromide (Bromomethane)	臭化ﾒﾁﾙ	74-83-9	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Monochloropentafluoroethane	ｸﾛﾛﾍﾟﾝﾀﾌﾙｵﾛｴﾀﾝ	76-15-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Pentachlorofluoroethane	ﾍﾟﾝﾀｸﾛﾛﾌﾙｵﾛｴﾀﾝ	354-56-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Pentachlorotrifluoropropane	ﾍﾟﾝﾀｸﾛﾛﾄﾘﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ(別名CFC-213)	134237-31-3	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Tetrachlorotetrafluoropropane	ﾃﾄﾗｸﾛﾛﾃﾄﾗﾌﾙｵﾛﾌﾟﾛﾊﾟﾝ	29255-31-0	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorofluoromethane	ﾄﾘｸﾛﾛﾌﾙｵﾛﾒﾀﾝ	75-69-4	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorotrifluoroethane	CFC-113(ﾄﾘｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ)	26523-64-8	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Trichlorotrifluoroethane	CFC-113(ﾄﾘｸﾛﾛﾄﾘﾌﾙｵﾛｴﾀﾝ)	354-58-5	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Pentachlorobenzene	ﾍﾟﾝﾀｸﾛﾛﾍﾞﾝｾﾞﾝ	608-93-5	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Perfluorooctane sulfonate acid	ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾝ酸 (PFOS)	1763-23-1	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Perfluorooctane sulfonate anion	ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾝ酸ｱﾆｵﾝ	45298-90-6	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Perfluoro-1-octanesulfonyl fluoride	ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾝ酸ﾌﾙｵﾘﾄﾞ (PFOSF)	307-35-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)-sulfonyl]amino]ethyl acrylate and vinylidene chloride	2-[ﾒﾁﾙ[(ﾍﾟﾙﾌﾙｵﾛｱﾙｷﾙ(炭素数4-8) ｽﾙﾎﾆﾙ]ｱﾐﾉ]ｴﾁﾙｱｸﾘﾙ酸、塩化ﾋﾞﾆﾘﾃﾞﾝﾎﾟﾘﾏｰ混合体の2-ﾌﾟﾛﾍﾟﾝ酸2-ﾒﾁﾙﾄﾞﾃﾞｼﾙｴｽﾃﾙ	306975-62-2	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt	ｸﾞﾘｼﾝ、N-ｴﾁﾙ-N-[(ﾍﾌﾟﾀﾃﾞｶﾌﾙｵﾛｵｸﾁﾙ)ｽﾙﾌｫﾆﾙ]-,ｶﾘｳﾑ塩	2991-51-7	Intentionally added	Remove impurity threshold conditions.	Threshold 0
Perfluorooctane sulfonate potasium salt	ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾝ酸ｶﾘｳﾑ	2795-39-3	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Perfluorooctane sulfonate ammonium salt	ﾍﾌﾟﾀﾃﾞｶﾌﾙｵﾛｵｸﾀﾝｰ1-ｽﾙﾎﾝ酸ｱﾝﾓﾆｳﾑ	29081-56-9	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Perfluorooctane sulfonate lithium salt	ﾘﾁｳﾑ=ﾍﾟﾙﾌﾙｵﾛｵｸﾀﾝｽﾙﾎﾅｰﾄ	29457-72-5	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Tetraethylammonium heptadecafluoroctansulfonate	ﾍﾌﾟﾀﾃﾞｶﾌﾙｵﾛｵｸﾀﾝｰ1-ｽﾙﾎﾅｰﾄ,ﾃﾄﾗｴﾁﾙｱﾐﾆｳﾑ	56773-42-3	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethlethyl)- (UV 320)	2-(2H-ﾍﾞﾝｿﾞﾄﾘｱｿﾞｰﾙ-2-ｲﾙ)-4,6-ﾋﾞｽ(1,1-ｼﾞﾒﾁﾙｴﾁﾙ)-ﾌｪﾉｰﾙ	3846-71-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
1,2,3-tribromo-4-(2,4,5-tribromophenoxy)benzene		182677-30-1	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.3a to Ver. 7.4)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,3,5-tribromo-2-(3,4-dibromophenoxy)benzene		189084-66-0	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
1,2,3-tribromo-4-(2,4-dibromophenoxy)benzene		182346-21-0	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
1,2-dibromo-4-(2,6-dibromophenoxy)benzene		189084-62-6	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
1,3,5-tribromo-2-(4-bromophenoxy)benzene		189084-63-7	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0
1,2-dibromo-4-(2,4-dibromophenoxy)benzene		189084-61-5	Intentionally added	Remove impurity threshold conditions.	Japan Chemical Substances Control Law [Class1] Threshold 0

9. Revision history

Version	Date	Details of Revisions
Ver.5	July 1, 2008	Created "List of NSK Environmentally Harmful Substances (ver. 5) NSK E 002"
Ver.5.1	January 30,2009	1. Changed title "List of NSK Environmentally Harmful Substances (ver. 5)" to "List of NSK Observation Substances (ver.5.1)" 2. Revised some of the descriptions in the section "Classes and Standards for Control" 3. Added "REACH Regulations Substances of Very High Concern (SVHC): 15 substances" to "Laws/Regulations" in "Laws/Regulations, Industrial Guidelines, and Customer Voluntary Standards Referenced in the List of NSK Observation Substances". 4. Deleted "Diphenylamine CAS: 122-39-4" from Annex Table 12 in the "List of NSK Observation Substances" and added "C091: Diphenylamine CAS:122-39-4" to "Annex Table 3: NSK Restricted Substances". 5. Added the following substances to "Annex Table 3: NSK Restricted Substances". C092 4,4'-Isopropylidenediphenol (Bisphenol A) CAS No: 80-05-7 C093 Anthracene CAS No: 120-20-7 C094 Triethyl arsenate CAS No: 15606-95-8
Ver.5.2	February 28,2011	1. Changed title "List of NSK Observation Substances (ver.5.1)" to "List of NSK Environmentally Harmful Substances (ver.5.2)" 2. Revised "Laws/Regulations, Industrial Guidelines, Customers' Voluntary Standards Referenced in NSK Environmentally Harmful Substances" as follows: 1) Added the following laws and regulations to cover newly incorporated substances: ① Industrial Safety and Health Act; Substances Prohibited for Manufacture ② Poisonous and Deleterious Substances Control Act; Specified Poisons Regulations, Annex XVII ④ European Chemical Substances Information System (ESIS), PBT (Persistent, Bioaccumulative, and Toxic) (CLP regulations), Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances 2)Deleted company names from the Customer Voluntary Standards and document names in Voluntary Standards 3. Added new section "Definitions" 4. Revised "Classes and Standards for Control" as follows: 1) NSK Prohibited Substances (70 substance groups) - Deleted 9 substance groups: A043, A062 to A069 - Added 9 substance groups: A071 to A079

Version	Date	Details of Revisions
		2) NSK Reduced Substances (14 substance groups) - Added 5 substance groups: B010 to B014 - Changed some of the phase-out dates 3) NSK Observation Substances (255 substance groups) - Deleted 8 substance groups: C010, C023, C027, C056, C057, C089, C090, C093 - Added 169 substance groups: C095 to C131, C133 to C264 4) Added new "Classes and Standards for Control" for each product group
Ver.5.3	June 23,2011	1. Revised "Laws/Regulations, Industrial Guidelines, Customers' Voluntary Standards Referenced in NSK Environmentally Harmful Substances" as follows: 1) Added the following laws and regulations to cover newly incorporated substances: ①Environmental Quality Standards for Groundwater Pollution ②REACH Regulations, Annex XIV: Substances Subject to Authorization ③ Stockholm Convention on Persistent Organic Pollutants (POPs) 2) Deleted the item "Customer Voluntary Standards" in order to manage these standards 2. Revised "Classes and Standards for Control" as follows: 1) NSK Prohibited Substances (73 substance groups) - Added 3 substance groups of A080 to A083 2) NSK Reduced Substances (34 substance groups) - Added 20 substance groups of B015 to B034 - Changed some of the phase-out dates 3) NSK Observation Substances (216 substance groups) - Due to integration of substance groups classified as NSK observation substances or their reclassification as NSK reduced substances, 42 substance groups were deleted: C021、C036、C059、C082～C085、C100、C106、C124、C128、C135～C146、 C163、C164、C168、C171、C172、C177、C200、C207、C208、C223、C224、C226、 C228、C234、C239、C252、C253、C254、C258 - Added 3 substance groups of C265 to C267
Ver.6.0	Augsut 22,2012	The major revisions are as follows: 1. To conform to the enactment and issue of 2012GADSL, the List of NSK Environmentally Harmful Substances was revised as follows. 1) NSK Prohibited Substances (73 substance groups => 66 substance groups)

Version	Date	Details of Revisions
		Up to Ver.5.3, the list of banned substances was decided taking account of the law, industry guidelines and voluntary standards applied by main customers, in addition to NSK's own judgment From this Ver.6.0, the list of banned substances has been decided to comply, in principle, with legal and industry guideline classifications. - Deleted substance groups: A003, A009, A014, A050, A054, A055, A060, A072, A078, A080 (10 substance groups) - Additional substance groups: A083-A085 (3 substance groups) 2) NSK reduced use substances (34 substance groups => 33 substance groups) It was clearly difficult to decide reduced use in the absence of a phase-out date based on legal grounds. As there are no reduced use substances for which a phase-out date could be set based on legal grounds, the phase-out date column was deleted. - Deleted substance groups: B006, B009, B011, B012, B013, B014 (6 substance groups) - Additional substance groups: B035-B039 (5 substance groups) 3) NSK controlled substances (216 substance groups => 185 substance groups) By regrouping the controlled substances, the number of substance groups was reduced to simplify the table. - Deleted substance groups: C038, C043, C076, C131, C147, C151, C153, C156, C160, C170, C174, C175, C182-C188, C190, C191, C192, C195, C197, C203, C204, C209, C214, C216, C218, C219, C225, C227, C230, C236, C238, C241, C248, C214 C249, C251, C257, C259, C260, C264 (44 substance groups) - Additional substance groups: C268-C280 (13 substance groups) 4) "Steering electrical products (motors, ECU, sensors)" was appended to Section 2-2, "Classes and Standards for Product Groups". For these products, we decided to apply GADSL.. 2. Substances added to the List of NSK Environmentally Harmful Substances (Ver.5.3): 207 substances (see Section 5) 3. Substances deleted from the List of NSK Environmentally Harmful Substances (Ver.5.3): 12 substances (see Section 6) 4. Substances for which the management classification was changed: 665 substances (see Section 7) 5. Thresholds Our decision took account of the customer's voluntary standards, as well as our own threshold, and from this Ver.6.0, we decided to comply, in principle, with GADSL and the law. However, if the customer had a special request, we decided to use it. Thresholds and upper control values for analyses of major substances were modified as follows. 5-1 The thresholds for parts/materials, indirect materials and production support materials were modified as shown below. However, thresholds for cadmium and lead in resins, rubber, paints, inks and pigments are the same as before. 1) Cadmium: 75 ppm was changed to 100 ppm, and a new analysis upper limit was set at 75 ppm

Version	Date	Details of Revisions
		2) Lead: 500 ppm was changed to 1000 ppm, and a new analysis upper limit was set at 500 ppm 3) Mercury: 500 ppm was changed to 1000 ppm, and a new analysis upper limit was set at 500 ppm. 4) Hexavalent chromium: 500 ppm was changed to 1000 ppm, and a new analysis upper limit was set to 500 ppm 5-2 The threshold for packaging materials (ELV4 substances total) 75 ppm was changed to 100 ppm
Ver.6.1	August 30,2013	1. Laws/regulations and industrial guidelines referenced in List of NSK Environmentally Harmful Substances The JIG List, which is the chemical substance guidelines for electrical and electronic industry by JGPSSI, was migrated to the domestic organization of IEC/TC111 as of May,2012 and changed to the list of the international standards IEC62474. For GADSL which is the guidelines for automobile industry, the regular reviewing was implemented in February, 2013. In addition, substances were added to SVHC (substances of very high concern)/permitted substances in REACH Regulations. In order to meet these laws and regulations and industrial guidelines, the List of NSK Environmentally Harmful Substances (Ver.6.0) defined in this document was revised. 2. The major revisions are as follows: 1) NSK Prohibited Substances in Table 1 (66 substance groups => 66 substance groups) Implemented the addition of prohibited substances and change of management classification but did not change the NSK prohibited substance group. 2) NSK Reduced Substances in Table 2 (33 substance groups => 32 substance groups) Due to the addition of reduced substances and change of management classification, deleted 1 substance group of NSK reduced substances. - Deleted substance group: B028 3) NSK Observation Substances in Table 3 (185 substance groups => 174 Due to the addition/deletion of observation substances, change of management classification, and grouping of substances, etc., deleted 23 substance groups for NSK observation substances and added 12 substance groups. - Deleted substance group: C023、C092、C094、C101、C102、C107、C109、C111、C115、C116、C118、C119、C165、C231、C233、C235、C242、C255、C256、C263、C273、C274、C278 - Additional substance groups:C223、C230、C281-C290 4) Substances added to the List of NSK Environmentally Harmful Substances Ver.6.0: 46 substances (see Section 5) 5) Substances deleted from the List of NSK Environmentally Harmful Substances Ver.6.0: 13 substances (see Section 6) 6) Substances whose classifications were changed from the List of NSK Environmentally Harmful Substances Ver.6.0: 6 substances

Version	Date	Details of Revisions
Ver.6.2	June 30, 2014	1. Trends in the Law and Industry Guideline taking NSK Environmentally Harmful Substance List into account - In September 2013, the guideline international specification IEC62474 list for environmentally harmful substance control in the electrical and electronics industry was revised. - In February 2014, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. - Two substances were added to Class I Specified Chemical Substance of Chemical Substances Control Law. - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation and permitted substances were added. In order to conform with the above-mentioned laws and regulations and industry guidelines, the NSK Environmentally Harmful Substance List (Ver. 6.1) provided in this regulation was revised. 2. Main Revisions 1) In order to be compatibile with the parts and materials conformity table, a partial revision of the management classification according to product group was carried out. Autoparts (steering, ball screws for actuators) are managed according to the GADSL classification. Monocarriers of precision-machined products are now classified into machine parts, and electrical/electronic parts. Spindles are managed mainly according to the RoHS Directive in the same way as mechatronic products. 2) The number of prohibited and controlled substances applied to ballbearings, direct drive products and NSK-Warner products has changed. Prohibited substances (66 substance groups => 73 substance groups), Controlled substances (174 substance groups => 171 substance groups) 3) The NSK Environmentally Harmful Substance List which was divided into prohibition, reduction, and management in Ver. 6.1, has been combined into one. Due to this unification, it is easier to search for chemical substances, and examine chemical substance content. For easier understanding of substances subject to NSK Management, the display by chemical substance group has been left unchanged. 4) Details of additional substances, deleted substances and classification changes in Ver. 6.2 are shown on each sheet. 5) NSK management criteria were reexamined according to the restrictions of GADSL, IEC62474, and REACH restriction substances. Changes are detailed on the NSK Environmentally Harmful Substance List.
Ver.6.3	June 30, 2015	Main points of review are as follows. 1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List

Version	Date	Details of Revisions
		1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.2) provided in this provision was revised. - Substances were added to Class II Specified Chemical Substance of Chemical Substances Control Law. - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added. - Substances were added to the Stockholm convention on Persistent Organic Pollutants (Persistent Organic Pollutants). - In September 2014, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised. - In February 2015, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. 2) Prohibition of Certain Toxic Substances Regulations, 2012 (Canada) was newly added to the NSK Environmentally Harmful Substance List (Ver. 6.3). 3) Among substances subject to "Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)", some substances that can be used in NSK products were newly added to the NSK Environmentally Harmful Substance List (Ver. 6.3). 2. Main revisions 1) "System products (exposure devices)" were deleted from the product groups management classification and management criteria. 2) The revision of NSK Environmentally Harmful Substance List includes the following. (1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 6.3) (refer to item 7): 375 substances (2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.2) (refer to item 8): 96 substances (3) Substances for which the classification was changed from in Ver. 6.2 of the NSK Environmentally Harmful Substance List to in Ver. 6.3 of that (refer to item 9): 15 substances (4) For ball bearings, direct drive products, and NSK-Warner products, the number of to-be prohibited substances, to-be-reduced substances, and to-be-controlled substances was changed. - NSK to-be prohibited substances: 73 substance groups => 70 substance groups - NSK to-be reduced substances: 32 substance groups => 34 substance groups - NSK to-be controlled substances: 171 substance groups => 205 substance groups (5) Auto parts (steering, ball screws for actuators) are to be managed according to the 2015 GADSL classification.
Ver.6.4	May 20,2016	Main points of review are as follows. 1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List 1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.3) provided in this provision was revised. - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.

Version	Date	Details of Revisions
		- In September 2015, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised. - In February 2016, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. 2. Main revisions 1） NSK code (A: Prohibited, B: Reduced, C: Observation) was abolished. A summary of the group of substances, changes to the summary of the substance. 2) The revision of NSK Environmentally Harmful Substance List includes the following. (1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 6.4) (refer to item 6): 29 substances (2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.3) (refer to item 7): 4 substances (3) Substances for which the classification was changed from in Ver. 6.3 of the NSK Environmentally Harmful Substance List to in Ver. 6.4 of that (refer to item 8): 17 substances (4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2016 GADSL classification.
Ver.6.5	June 5,2017	Main points of review are as follows. 1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List 1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.4) provided in this provision was revised. - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added. - In January 2017, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised. - In February 2017, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. 2. Main revisions 1） The list was reflected the list of of the main customers requiring the green procurement. 2) The revision of NSK Environmentally Harmful Substance List includes the following. (1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 6.5) (refer to item 6): 841 substances (2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.4) (refer to item 7): 8 substances (3) Substances for which the classification was changed from in Ver. 6.4 of the NSK Environmentally Harmful Substance List to in Ver. 6.5 of that (refer to item 8): 10 substances (4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2017 GADSL classification.

Version	Date	Details of Revisions
Ver.6.6	July 13,2018	Main points of review are as follows. 1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List 1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.5) provided in this provision was revised. - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added. - In January 2018, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised. - In February 2018, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. 2. Main revisions 1）The list was reflected the list of of the main customers requiring the green procurement. 2) The revision of NSK Environmentally Harmful Substance List includes the following. (1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 6.6) (refer to item 6): 1449 substances (2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.5) (refer to item 7): 114 substances (3) Substances for which the classification was changed from in Ver. 6.5 of the NSK Environmentally Harmful Substance List to in Ver. 6.6 of that (refer to item 8): 170 substances (4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2018 GADSL classification.
Ver.7.0	June 21,2019	Main points of review are as follows. 1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List 1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.6) provided in this provision was revised. - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added. - In January 2019, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised. - In February 2019, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. 2. Main revisions 1）The list was reflected the list of of the main customers requiring the green procurement. 2) The revision of NSK Environmentally Harmful Substance List includes the following. (1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.0) (refer to item 6): 236 substances (2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.6) (refer to item 7): 658 substances

Version	Date	Details of Revisions
		(3) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2019 GADSL classification.
Ver.7.1	August 21,2020	Main points of review are as follows. 1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List 1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.7.0) provided in this provision was revised. - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added. - In June 2020, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised. - In February 2020, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. 2. Main revisions 1） The list was reflected the list of of the main customers requiring the green procurement. 2) The revision of NSK Environmentally Harmful Substance List includes the following. (1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.1) (refer to item 6): 38 substances (2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 7.0) (refer to item 7): 26 substances (3) Substances whose applications and thresholds were changed in the NSK Environmental Impact Substances List Ver. 7.0 to Ver. 7.1 (see Section 8): 35 substances (4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2020 GADSL classification.
Ver.7.1a	March 31,2021	The deadline for the lead (Pb) exemption was reviewed.
Ver.7.2	August 20,2021	Main points of review are as follows. 1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List 1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.7.1a) provided in this provision was revised. - Entries 74 and 75 were added to the list of restricted substances in the REACH regulation. - 11 substances were added to the list of authorized substances under the REACH regulation. (54 substance groups) - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added. - In April 2021, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.

Version	Date	Details of Revisions
		- In February 2021, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. 2. Main revisions 1）The list was reflected the list of of the main customers requiring the green procurement. 2）The revision of NSK Environmentally Harmful Substance List includes the following. (1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.1a) (refer to item 6): 1,622 substances (2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 7.1a) (refer to item 7): 65 substances (3) Substances whose applications and thresholds were changed in the NSK Environmental Impact Substances List Ver. 7.1a to Ver. 7.2 (see Section 8): 734 substances 4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2021 GADSL classification.
Ver.7.2a	March 4, 2022	Change in NSK management classification. Polycyclic aromatic hydrocarbons (PAH; PCAH), selected :Change of classification from prohibited substances to reduced substances. Isopropylphenyl phosphate :Change of classification from prohibited substances to reduced substances.
Ver.7.3	July 11, 2022	Main points of review are as follows. 1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List 1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.7.2a) provided in this provision was revised. - Entries 76 were added to the list of restricted substances in the REACH regulation. - 5 substances were added to the list of authorized substances under the REACH regulation. (59 substance groups) - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added. - In February 2022, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised. - In February 2022, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. 2. Main revisions 1）The list was reflected the list of of the main customers requiring the green procurement. 2）The revision of NSK Environmentally Harmful Substance List includes the following. (1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.2a) (refer to item 6): 670 substances (2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 7.2a) (refer to item 7): 0 substances (3) Substances whose applications and thresholds were changed in the NSK Environmental Impact Substances List Ver. 7.2a to Ver. 7.3 (see Section 8): 738 substances 4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2022 GADSL classification.

Version	Date	Details of Revisions
Ver.7.3a	August 12, 2022	Removed from NSK controlled substance. Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST) CAS-No. 68921-45-9 Removed from 'Biocidal coatings / biocidal additives, selected Tetraboron disodium heptaoxide, hydrate CAS-No. 12267-73-1
Ver.7.4	December 8, 2023	Main points of review are as follows. 1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List 1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.7.3a) provided in this provision was revised. - Entries 77 were added to the list of restricted substances in the REACH regulation. - 5 substances were added to the list of authorized substances under the REACH regulation. (59 substance groups) - Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added. - In July 2023, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised. - In February 2023, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised. 2. Main revisions 1） The list was reflected the list of of the main customers requiring the green procurement. 2） The revision of NSK Environmentally Harmful Substance List includes the following. (1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.3a) (refer to item 6): 1,801 substances (2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 7.3a) (refer to item 7): 722 substances (3) Substances whose applications and thresholds were changed in the NSK Environmental Impact Substances List Ver. 7.3a to Ver. 7.3 (see Section 8): 652 substances 4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2023 GADSL classification.

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List of NSK Environmentally Harmful Substances(Ver.7.4)