

# YAMABIKO Group Green Procurement Guidelines

(for requests to our suppliers)

Aug. 2021: 2nd Edition



Yamabiko would like to ask the suppliers to provide the information about the chemical substances contained in each parts constituting the products.

(The above is the chainsaw that is one of Yamabiko representative products.)

YAMABIKO CORPORATION

## Introduction

Currently, the consumer's interest about the chemical substances contained in the product is increasing. Especially about food, clothing and houses, from the view point of effects on human health by exposure of the contained chemical substances, the social demand for disclosing the information about the contained chemical substances is increasing.

Corresponding to it, EU established RoHS (Restriction of Hazardous Substances) Directive and REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) Regulation as it leads the world about the regulation on the contained chemical substances, and according to it, each country is developing their own regulations.

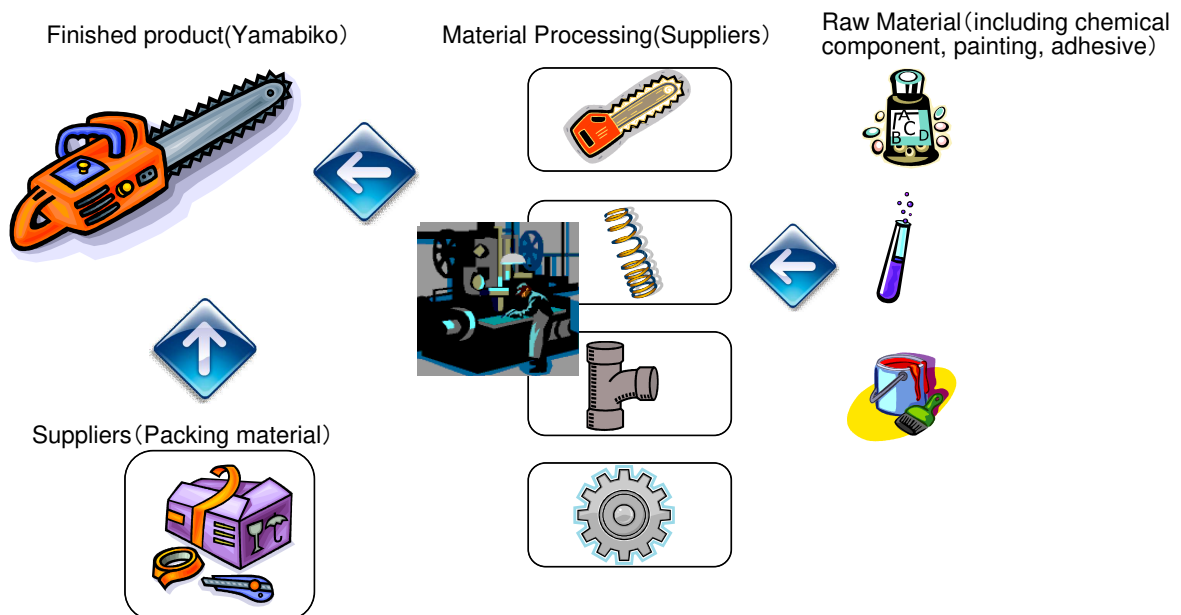
For selling Yamabiko Group products continuously, we must comply with these regulations.

Therefore, Yamabiko Group would like to ask the suppliers in our supply chain to provide and manage the information relating to the contained chemical substances, and we need to assume responsibility and duty for supplying safe products that meets the social demand.

For taking action against this matter, Yamabiko finalized the "YAMABIKO Group Green Procurement Guideline" about the contained chemical substances and submission method for the related information, and we ask for understanding and cooperation of the suppliers.

## 1. Philosophy on contained chemical substances

The contained chemical substances mean "All procured parts constituting the products and also such as packing materials that are shipped with the products". Our products are constituted of various parts that are supplied by suppliers, and Yamabiko supplies the finished product to the market.



The suppliers manufacture the parts after procuring such raw material, chemical compound, paint and adhesive, and then the parts are supplied to Yamabiko after packing. The almost all parts contain many kinds of chemical substances in the production process.

The management of contained chemical substances means “How much weight does the parts contain the chemical substances finally?”, and Yamabiko asks the suppliers cooperation to manage and inform about it.

Yamabiko will judge whether the contained chemical substances conform to the related laws and regulations, or judge whether it conforms Yamabiko’s own standards.

## 2.Scope

### -1. Applicable suppliers

This Standards is applicable to our first-tier suppliers that supply parts and materials (refer to "2.-2 Applicable parts and materials") that form our products.

In addition, our first-tier suppliers are required to inform their suppliers on the requirements specified in the latest version of "YAMABIKO Group Green Procurement Guidelines" so as to build a chain of information transfer on the control of chemical substances in products.

Depending on necessity, second-tier suppliers may also be subject to confirmation of requirements by YAMABIKO Group.

### -2. Applicable parts and materials

This Standards is applicable to YAMABIKO Group products, and supply parts and materials that form the products.

(1) Applicable products are as defined below.

- 1) Products that YAMABIKO Group designs / manufactures and sells;
- 2) Products that YAMABIKO Group outsource to third parties for designing / manufacturing or products that are bought from external companies to be sold under the YAMABIKO Group name;
- 3) Products that are outsourced from third parties for designing / manufacturing (this shall not include supply parts and materials specified by the third parties);  
Products that YAMABIKO Group has no responsibility in designing or manufacturing such as products of external companies that are sold by YAMABIKO Group as its sales agent are excluded from this Standards.

(2) Specific examples of parts and materials are as given below.

- 1) Parts and materials. (electronic parts, processed parts, raw materials, packing and packaging materials etc.)
- 2) Assembled parts such as functional units / modules, board assemblies etc.
- 3) Indirect materials such as subsidiary materials. (solder materials, adhesives, inks, grease, tapes etc.)
- 4) Operation manuals.
- 5) Spare parts and accessories.

### 3. Request to suppliers

-1. Conclusion of Quality Assurance Agreement

-2. Provision of information about the contained chemical substances

YAMABIKO Group will ask the suppliers to investigate the object substances by e-mail, and please reply by the prescribed format.

-3. Proper management of environmental influencing substances in production process.

Even if the chemical substances are not contained in the final products that are supplied by the suppliers, for securing stable supply, YAMABIKO Group might ask the suppliers to check the chemical substances that are used in the process of such production, inventory and transportation. YAMABIKO Group asks for the supplier's understanding and cooperation.

To confirm the Proper management of environmental influencing substances auditors from YAMABIKO Group may implement on-site confirmation at our suppliers. Please cooperate with us in this case.

### 4. Provision of information about the contained chemical substances

-1. About collecting information on contained chemical substances

When collecting information about the contained chemical substances in products, choose the best way to do so from an economical and engineering standpoint.

Prohibited substances groups is basically prohibited according to regulations inside and outside Japan, so legally, their non-inclusion in products must be guaranteed.

Therefore, regardless of "intentional inclusion" or "unintentional inclusion of impurities, etc. ", it is necessary to ensure that the chemical substance is not contained or is below the predetermined threshold by reasonable procedures.

Controlled substances groups & Self-controlled substances groups, appropriate management of inclusion information is required regardless of whether the substances are included in the products. Suppliers are requested to file reports in all cases; even statements such as "There is no information available that shows inclusion of the chemical substances" are to be reported when appropriate.

-2. Provision of information about the contained chemical substances

(1) Report on the content of chemical substances using format specified by YAMABIKO Group

The articles : chemSHERPA-AI

(The "Composition" information MUST be completely filled in. However, the "Compliance" information is to be provided when requested by YAMABIKO Group)

The substances and chemical compound : chemSHERPA-CI

Please use of the data generation support tool provided by chemSHERPA when filling in the information. For the usage rules and detailed answer method, please refer the manual and the information usage rules for chemSHERPA of the following URL.

URL : <https://chemsherpa.net/tool>

(2) "Certificate of Non-inclusion for Regulated Substances" or "Declaration of Phase-out of Regulated Substances" forms specified by YAMABIKO Group

To conduct a careful examination on the content information in the contained chemical substances, we may ask our suppliers to provide additional information, analysis reports issued by third party analysis organizations, analysis samples, etc. Please cooperate in this case.

-3. Regarding changes in materials, manufacturing methods, and information about included chemical substances

If any changes in materials, manufacturing methods, production location, major manufacturing equipment, persons in charge of manufacturing, etc. are to be made for procured products, suppliers are required to submit a notice about the details of the change and the scope of effect. At that time, report on the content of chemical substances using format specified by YAMABIKO Group.

In addition, for information on inclusion of chemical substances, submission of a notice is mandatory when a new inclusion is discovered, or when previously-reported inclusions have changed.

## 5. Management classification of chemical substances

In Yamabiko group manage chemical substances stipulated in laws and regulations for its products, parts, and materials according to Yamabiko group unique management classification for chemical substances.

Table 1. Definition of management classification and the substances' selection method

Management classification	Definition of management classification	Substances selection method
Prohibited substances 【Table 3】	Prohibited to use in products, parts or materials Or there are limited uses.	Substances whose content is already prohibited by laws and regulations, Or Substances whose prohibited for use in the future has already been finalized by laws and regulations, or substances as prohibited to use by Yamabiko group originality.
Controlled substances 【Table 4】	Grasping of contained amount of regulated substances.	Among the substances by IEC62474, those for which grasping of the contained amount/ratio and consumption are required by laws and regulations, or those for safeness, etc. is required by laws and regulations if they are contained.
Self-controlled substances	Grasping of contained amount	Substances other than prohibited substances and contained controlled substances

It is necessary to check the content status of substances that are “Prohibited substances” / “Controlled substances” in the control categories in Table 1, and provide the following information.

- 1. If the product / material under investigation contains prohibited substances or controlled substances exceeding 0.1 wt%, it is necessary to report the content rate.
- 2. Even if it is 0.1wt% or less, please report the containing rate as much as possible to know.
- 3. If a substance specified in IEC62474 is added, please confirm the containing status of the added substances as soon as possible and perform the above procedures (1) and (2).

Please take the following measures for self-controlled substances.

- (1) Please report the containing rate as much as possible to know.
- (2) If the suppliers obtain the additional or new containing status information, please report it as soon as possible.

Basically the suppliers should report the containing status information, but if the object substances are not contained or there is no information about the containing status, please issue the “Non-substance-containing certificate”. In that case, Yamabiko group will inform about the certificate form separately.

- If it is found out that “Prohibited substances”/“Controlled substances” is contained more than 0.1wt% or the prohibited substance is contained without any prior announcement, it violates the Yamabiko Group’s important requirements for procurement quality and the defect warranty liability arises to the supplier. Also, Yamabiko Group will request the supplier to investigate and determine the cause.
- Substances listed in this Guidelines may be indicated in acceptance drawings, specifications, drawings, etc. In this case, priority is given to acceptance drawings, specifications, drawings, etc.

Table2 Management classification laws and regulations, industry standards, etc.

Target regulations	Summary	Remarks
(JP) Chemical Substances Control Law:Class I Specified Chemical Substances	Class I Specified Chemical Substances from the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. of Japan (commonly known by the name "Chemical Substances Control Law or CSCL"). Class I Specified Chemical Substances are those substances specified by Cabinet Order as being persistent, highly bioaccumulative, and toxic over the long-term to humans and high-order predators. These are subject to management measures, including the general prohibition of production and importation (permit system) and import prohibition of Cabinet Order designated products.	Excluding the prohibited substances specified in this Guidelines
(US) Toxic Substances Control Act (TSCA): Section 6	Chemical substances specified in TSCA, and substances subject to mixture priority ranking, risk evaluation, and regulation (Section 6). Given the undue risk that these chemical substances or mixtures of such pose to the health of persons or the environment through their production, import, processing, distribution, or disposal, etc., the production, processing, and distribution of these substances is subject to measures, including prohibition and regulation.	Excluding the prohibited substances specified in this Guidelines
(EU) 2011/65/EU (RoHS): Annex II	Substances (groups) specified in ANNEX II of the directive (RoHS Directive) related to usage restrictions of specific hazardous substances in electrical and electronic equipment in the EU. The use of these substances (groups) is restricted by Article 4 of this Directive (however, there are exemptions in ANNEX III). The products provided by Yamabiko fall under category 6 "electric products" and category 11 "other electrical and electronic equipment". However, detailed classification is based on the definition of the RoHS Directive.	Excluding the prohibited substances specified in this Guidelines
(EU) 2019/1021 (POPs): Annex I	Substances listed in ANNEX I of the POPs Regulation, which ensures the implementation of the the Stockholm Convention on Persistent Organic Pollutants (POPs) in the EU (Stockholm Convention member countries are required to establish domestic laws that ensure the Convention in terms of the subject substances). In principle, manufacture, sale, and use of these substances is prohibited (there are exceptions).	Excluding the prohibited substances specified in this Guidelines

Target regulations	Summary	Remarks
(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	Substances identified as having satisfied the criteria for SVHC (Substances of Very High Concern) by an EU member country or by the European Chemicals Agency (ECHA) based on the EU REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals, issued June 1, 2007) Regulation, and listed on the Authorisation List in REACH Regulation ANNEX XIV, or listed on the Candidate List of substances for possible inclusion in the Authorisation List (SVHC as indicated in the Candidate List and chemSHERPA refers to this List). Substances listed on the Authorisation List in ANNEX XIV are subject to authorization for sale and use under Article 56 of this Regulation. Moreover, when a substance listed on the Candidate list is contained in an article, under certain conditions, the substance requires reporting (Article 7) and transfer of information (Article 33). When a substance is listed on the Authorisation List, it is not removed from the Candidate list.	Excluding the prohibited substances specified in this Guidelines
(EU) REACH (No 1907/2006): Annex XVII Restriction substances	Substances listed in EU REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals, effective June 1, 2007) Regulation ANNEX XVII (restrictions related to production, sale, and use of some types of hazardous substances, mixtures, and articles). Manufacture, sale, and use of these substances is prohibited when the restriction conditions under Article 67 of this Regulation are NOT met.	Excluding the prohibited substances specified in this Guidelines
Global Automotive Declarable Substance List (GADSL)	GADSL (Global Automotive Declarable Substance List) is a list prepared by GASG (Global Automotive Stakeholder Group), which consists of manufacturers of automobiles, automobile parts, and chemicals from different countries	Excluding the prohibited substances specified in this Guidelines
IEC 62474 DB Declarable substance groups and declarable substances	Declarable substance groups and declarable substances listed in the Declarable Substance List (DSL) from IEC 62474 (Material Declaration for Products of and for the Electrotechnical Industry) as prepared by IEC (International Electrotechnical Commission). For declarable substance groups, individual substances are listed in the Reference Substance List (RSL).	Excluding the prohibited substances specified in this Guidelines



## 6. Definition of Terms

### chemSHERPA

The chemSHERPA is designed mainly (1).to use for the reliable and efficient information provision scheme of the chemical substances for many products and many type of business, and (2).to provide “component information based on the common substances list” and “compliance readiness information” for securing “responsible provision” of the related information. Currently, this scheme is identified as the voluntary activities of the industrial world, and it is managed by the Joint Article Management Promotion-consortium (JAMP) from Apr, 2016.

### chemSHERPA-AI/chemSHERPA-CI

The AI of chemSHERPA-AI is abbreviation for ‘Article Information’, and it means the information of the chemical substances contained in the article, and it is the contained component of the object substances and the judgement information for compliance.

The CI of chemSHERPA-CI is abbreviation for ‘Chemical Information’, and it means the information of the chemical substances contained in the chemical product, and it is component information of the contained object substances.

【Table.3】 List of Prohibited Substances.

Note 1. Reportable Applications: Target application of substances regulated by laws and regulations.

For each substance, target applications such as “all products”, “batteries”, “textile products” are designated. If this target application is not applicable, it is excluded from the management of chemical substances in parts of materials.

Note 2. Reporting Threshold: Threshold of substances in target applications regulated by laws and regulations.

If content rate is indicated as the reporting threshold, content is judged based on the content rate calculated as per denominator indicated in the “Reporting Level (product / article / part / material).”

Note 3. The substance which do not have CAS No. are listed SN No. of chemSHERPA.

Note 4. There may be applicable chemical substances even if they are not listed in this document.

No.1	Polychlorinated Biphenyls (PCBs) and specific substitutes	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added - 0.005 mass% of article(50ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Polychlorinated Biphenyls (PCB)	1336-36-3	
Monomethyl-tetrachlorodiphenyl methane Trade name: Ugilec 141	76253-60-6	
Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121 Ugilec 21	81161-70-8	
Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers Trade name: DBBT	99688-47-8	
Other Polychlorinated Biphenyls (PCBs) and specific substitutes	-	
Referenced laws & regulations	(JP) Chemical Substances Control Law: Class I Specified Chemical Substances (EU) 2019/1021 (POPs): Annex I (EU) REACH (No 1907/2006): Annex XVII Restriction substances (US) Toxic Substances Control Act (TSCA): Section 6	
Note		

No.2	Polychlorinated Naphthalenes	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Polychlorinated naphthalenes	70776-03-3	
1-Chloronaphthalene	90-13-1	
2-Chloronaphthalene	91-58-7	
1,5-Dichloronaphthalene	1825-30-5	
1,4-Dichloronaphthalene	1825-31-6	
1,2-Dichloronaphthalene	2050-69-3	
1,6-Dichloronaphthalene	2050-72-8	
1,7-Dichloronaphthalene	2050-73-9	
1,8-Dichloronaphthalene	2050-74-0	
2,3-Dichloronaphthalene	2050-75-1	
2,6-Dichloronaphthalene	2065-70-5	
1,3-Dichloronaphthalene	2198-75-6	
2,7-Dichloronaphthalene	2198-77-8	
Chloronaphthalene	25586-43-0	
Dichloronaphthalene	28699-88-9	
Pentachloronaphthalene	1321-64-8	
Naphthalene, trichloro-	1321-65-9	
Hexachloronaphthalene	1335-87-1	
Tetrachloronaphthalene	1335-88-2	
Perchloronaphthalene; 1,2,3,4,5,6,7,8-Octachloronaphthalene	2234-13-1	
1,4,6-Trichloronaphthalene	2437-54-9	
1,4,5-Trichloronaphthalene	2437-55-0	

No.2	Polychlorinated naphthalenes (Continued)	
Substance/Substance group	CAS No. (Note 3)	
1,4,5,8-Tetrachloronaphthalene	3432-57-3	
1,2,4,8-Tetrachloronaphthalene	6529-87-9	
1,2,4,5-Tetrachloronaphthalene	6733-54-6	
1,2,3,6,7,8-Hexachloronaphthalene	17062-87-2	
1,2,3,4-Tetrachloronaphthalene	20020-02-4	
1,3,5,8-Tetrachloronaphthalene	31604-28-1	
Heptachloronaphthalene	32241-08-0	
2,3,6,7-Tetrachloronaphthalene	34588-40-4	
1,2,4-Trichloronaphthalene	50402-51-2	
1,2,3-Trichloronaphthalene	50402-52-3	
1,3,5-Trichloronaphthalene	51570-43-5	
1,2,6-Trichloronaphthalene	51570-44-6	
1,2,4,6-Tetrachloronaphthalene	51570-45-7	
1,2,3,5-Tetrachloronaphthalene	53555-63-8	
1,3,5,7-Tetrachloronaphthalene	53555-64-9	
1,2,3,5,7-Pentachloronaphthalene	53555-65-0	
1,2,5-Trichloronaphthalene	55720-33-7	
1,2,7-Trichloronaphthalene	55720-34-8	
1,2,8-Trichloronaphthalene	55720-35-9	
1,3,6-Trichloronaphthalene	55720-36-0	
1,3,7-Trichloronaphthalene	55720-37-1	
1,3,8-Trichloronaphthalene	55720-38-2	
1,6,7-Trichloronaphthalene	55720-39-3	
2,3,6-Trichloronaphthalene	55720-40-6	
1,2,3,7-Tetrachloronaphthalene	55720-41-7	
1,3,6,7-Tetrachloronaphthalene	55720-42-8	
1,4,6,7-Tetrachloronaphthalene	55720-43-9	
1,2,3,4,5,6,7-Heptachloronaphthalene	58863-14-2	
1,2,3,4,5,6,8-Heptachloronaphthalene	58863-15-3	
1,2,3,4,5,6-Hexachloronaphthalene	58877-88-6	
1,2,4,7-Tetrachloronaphthalene	67922-21-8	
1,2,5,6-Tetrachloronaphthalene	67922-22-9	
1,2,5,7-Tetrachloronaphthalene	67922-23-0	
1,2,6,8-Tetrachloronaphthalene	67922-24-1	
1,2,3,4,5-Pentachloronaphthalene	67922-25-2	
1,2,3,4,6-Pentachloronaphthalene	67922-26-3	
1,2,3,4,5,7-Hexachloronaphthalene	67922-27-4	
1,2,4,5,6,8-Hexachloronaphthalene	90948-28-0	
1,2,4,5,7,8-Hexachloronaphthalene	103426-92-2	
1,2,3,4,5,8-Hexachloronaphthalene	103426-93-3	
1,2,3,5,7,8-Hexachloronaphthalene	103426-94-4	
1,2,3,4,6,7-Hexachloronaphthalene	103426-96-6	
1,2,3,5,6,7-Hexachloronaphthalene	103426-97-7	
1,2,3,6-Tetrachloronaphthalene	149864-78-8	
1,2,6,7-Tetrachloronaphthalene	149864-79-9	
1,2,5,8-Tetrachloronaphthalene	149864-80-2	
1,2,3,8-Tetrachloronaphthalene	149864-81-3	
1,2,7,8-Tetrachloronaphthalene	149864-82-4	
1,2,3,7,8-Pentachloronaphthalene	150205-21-3	
1,3,6,8-Tetrachloronaphthalene	150224-15-0	
1,2,3,6,7-Pentachloronaphthalene	150224-16-1	
1,2,4,6,7-Pentachloronaphthalene	150224-17-2	
1,2,3,5,6-Pentachloronaphthalene	150224-18-3	
1,2,4,5,7-Pentachloronaphthalene	150224-19-4	
1,2,4,5,6-Pentachloronaphthalene	150224-20-7	
1,2,4,7,8-Pentachloronaphthalene	150224-21-8	
1,2,4,6,8-Pentachloronaphthalene	150224-22-9	

No.2	Polychlorinated naphthalenes (Continued)	
Substance/Substance group	CAS No. (Note 3)	
1,2,3,6,8-Pentachloronaphthalene	150224-23-0	
1,2,3,5,8-Pentachloronaphthalene	150224-24-1	
1,2,4,5,8-Pentachloronaphthalene	150224-25-2	
Other Polychlorinated naphthalenes	-	
Referenced laws & regulations	(JP) Chemical Substances Control Law:Class I Specified Chemical Substances (EU) 2019/1021 (POPs): Annex I	
Note		

No.3	Bis(tributyltin) oxide (TBTO)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Bis(tributyltin) oxide (TBTO)	56-35-9	
Referenced laws & regulations	(JP) Chemical Substances Control Law:Class I Specified Chemical Substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.4	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added - 0.1 mass% of article(1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	
Alkanes, C10-12, chloro	108171-26-2	
Alkanes, C12-13, chloro	71011-12-6	
Alkanes, chloro; chloroparaffins	61788-76-9	
Other Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	-	
Referenced laws & regulations	(JP) Chemical Substances Control Law:Class I Specified Chemical Substances (EU) 2019/1021 (POPs): Annex I (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.5	Asbestos	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Asbestos	1332-21-4	
Chrysotile; Asbestos	132207-32-0	
Crocidolite	132207-33-1	
Asbestos; Actinolite	77536-66-4	
Amosite; Asbestos	12172-73-5	
Asbestos; Anthophyllite	77536-67-5	
Chrysotile; Asbestos	12001-29-5	
Crocidolite; Asbestos	12001-28-4	
Asbestos; Tremolite	77536-68-6	
Referenced laws & regulations	(JP) Industrial Safety and Health Act (Articl 55) (EU) REACH (No 1907/2006): Annex XVII Restriction substances (US) Toxic Substances Control Act (TSCA): Section 6	
Note		

No.6	Polychlorinated terphenyls (PCTs)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.005 mass% of article(50ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Polychlorinated terphenyls (PCTs)	61788-33-8	
Other Polychlorinated terphenyls	-	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.7	Dimethylfumarate (DMF)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold(Note 2)	
All Products	- 0.00001 mass% of article(0.1ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Dimethylfumarate (DMF)	624-49-7	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.8	Perfluorooctane sulfonates (PFOS) and individual salts	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
Textiles or other coated materials.	- Intentional added - 1 microgram/m <sup>2</sup> of coated material	
All except tetiles or other coated materials	- Intentional added - 0.1 mass% of the part(1000ppm) (as the sum of PFOS)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Perfluorooctane Sulfonates (PFOS) C <sub>8</sub> F <sub>17</sub> SO <sub>2</sub> X, where X = OR, NR or other derivative	Ex) 624-49-7	
Perfluorooctane sulfonyl fluoride	307-35-7	
Polymers with 2-[methyl[(perfluoro-C4-8-alkyl)-sulfonyl] amino] ethyl acrylate and vinylidenechloride	306975-62-2	
Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt	2991-51-7	
Other Perfluorooctane sulfonates (PFOS) and individual salts	-	
Referenced laws & regulations	(JP) Chemical Substances Control Law: Class I Specified Chemical Substances (EU) 2019/1021 (POPs): Annex I	
Note	It may contain isomers not listed he.	

No.9	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	
Referenced laws & regulations	(JP) Chemical Substances Control Law:Class I Specified Chemical Substances (EU) REACH (No 1907/2006):The Candidate List of Substances of SVHC, Annex XIV Authrisation Substances	
Note		

No.10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added - 0.01 mass% of article(100ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Hexabromocyclododecane (HBCDD)	25637-99-4,4736-49-6 65701-47-5,138257-17-7 138257-18-8,138257-19-9 169102-57-2,678970-15-5 678970-16-6,678970-17-7 3194-55-6	
alpha-hexabromocyclododecane	134237-50-6	
beta-hexabromocyclododecane	134237-51-7	
gamma-hexabromocyclododecane	134237-52-8	
Other Hexabromocyclododecane (HBCDD) and all major diastereoisomers	-	
Referenced laws & regulations	(JP) Chemical Substances Control Law: Class I Specified Chemical Substances (EU) 2019/1021 (POPs): Annex I (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authrisation Substances	
Note		

No.11	Cadmium and Cadmium compounds			
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)		
All except batteries		- Intentional added - 0.01 mass% of article (100ppm)		
Alkaline manganese batteries / Zinc carbon batteries/ Nickel-metal hydride battery (except button cells)		- 0.001 mass% of battery (10ppm)		
Batteries other than the above		- 0.002 mass% of battery (20ppm)		
Exclusion				
Application	Law & regulations_Code	Description*1	Category*2	Scope and dates of applicability
All, Except batteries	RoHS_8(b)	Cadmium and its compounds in electrical contacts	1~7, 10	Banned already
			11	2024/7/21
	RoHS_8(b) -I	Cadmium and its compounds in electrical contacts used in: — circuit breakers, — thermal sensing controls, — thermal motor protectors (excluding hermetic thermal motor protectors), — AC switches rated at: 6A and more at 250VAC and more, or 12A and more at 125VAC and more, — DC switches rated at 20 A and more at 18 V DC and more, — switches for use at voltage supply frequency ≥ 200 Hz	1~7, 10	Requested for renewa
	RoHS_13(b)	Cadmium and lead in filter glasses and glasses used for reflectance standards	11	2024/7/21
	RoHS_13(b)-II	Cadmium in striking optical filter glass types	1~7, 10	Requested for renewal
	RoHS_13(b) -III	Cadmium and lead in glazes used for reflectance standards	1~7, 10	Requested for renewal
	The items mentioned of "(2011/65/EU ANNEX III)" <a href="https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm">https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm</a> Exemptions list - validity and rolling plan			
Substance/Substance group			CAS No. (Note 3)	
Cadmium			7440-43-9	
Cadmium oxide			1306-19-0	
Cadmium sulphide			1306-23-6	
Cadmium chloride			10108-64-2	
Cadmium sulphate			10124-36-4 31119-53-6	
Cadmium hydroxide; cadmium dihydroxide			21041-95-2	
Other Cadmium and Cadmium compounds			-	
Referenced laws & regulations	(EU) 2011/65/EU (RoHS): Annex II (EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) Batteries Directive 2006/66/EC			
Note	*1. If there is a difference from the RoHS directive, the directive will take precedence. *2. According to the definition of RoHS directive.			

No.12	Lead and Lead compounds			
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)		
All except batteries		- 0.1 mass% of total Pb in homogenous material (1000ppm)		
Zinc carbon batteries and Alkaline manganese batteries (button cells)		- 0.1 mass% of battery (1000ppm)		
Alkaline manganese batteries (except button cells)		- 0.004 mass% of battery (40ppm)		
Batteries other than the above		- 0.004 mass% of battery (40ppm)		
Cables/cords (including plug and connector) with thermoset or thermoplastic coatings		- 0.03 mass% of surface coating material (300ppm)		
Exclusion				
Application	Law & regulations_Code	Description*1	Category *2	Scope and dates of applicability
All, Except batteries	RoHS_5(b)	Lead in glass of fluorescent tubes not exceeding 0.2% by weight	1~7, 10	Requested for renewal
			11	2024/7/21
	RoHS_6(a)	Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight	11	2024/7/21
	RoHS_6(a) -I	Lead as an alloying element in steel for machining purposes containing up to 0.35% lead by weight and in batch hot dip galvanized steel components containing up to 0.2% lead by weight	1~7, 10	Requested for renewal
	RoHS_6(b)	Lead as an alloying element in aluminium containing up to 0.4% lead by weight	11	2024/7/21
	RoHS_6(b) -I	Lead as an alloying element in aluminium containing up to 0.4% lead by weight, provided it stems from lead-bearing aluminium scrap recycling	1~7, 10	Requested for renewal
	RoHS_6(b) -II	Lead as an alloying element in aluminium for machining purposes with a lead content up to 0.4% by weight	1~7, 10	Requested for renewal
	RoHS_6(c)	Copper alloy containing up to 4% lead by weight	1~7, 10	Requested for renewal
	RoHS_7(a)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)	1~7, 10	Requested for renewal
			11	2024/7/21
	RoHS_7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic	1~7, 10	Requested for renewal
			11	2024/7/21
RoHS_7(c)-II	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	1~7, 10	Requested for renewal	
		11	2024/7/21	



No.12	Lead and Lead compounds			
Exclusion				
Application	Law & regulations_Code	Description*1	Category *2	Scope and dates of applicability
All, Except batteries	RoHS_7(c)-IV	Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors	1~7, 10	Requested for renewal
			11	2024/7/21
	RoHS_13(a)	Lead in white glasses used for optical applications	1~7, 10	Requested for renewal
			11	2024/7/21
	RoHS_13(b)	Cadmium and lead in filter glasses and glasses used for reflectance standard	1~7, 10	Requested for renewal
			11	2024/7/21
	RoHS_13(b)-I	Lead in ion coloured optical filter glass types	1~7, 10	Requested for renewal
			11	2024/7/21
	RoHS_13(b)-III	Cadmium and lead in glazes used for reflectance standards	1~7, 10	Requested for renewal
			11	2024/7/21
	RoHS_15	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages	11	2024/7/21
	RoHS_15(a)	Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies: — a semiconductor technology node of 90 nm or larger; — a single die of 300 mm <sup>2</sup> or larger in any semiconductor technology node; — stacked die packages with die of 300 mm <sup>2</sup> or larger, or silicon interposers of 300 mm <sup>2</sup> or larger	1~7, 10	Requested for renewal
	RoHS_34	Lead in cermet-based trimmer potentiometer elements	1~7, 10	Requested for renewal
11			2024/7/21	
RoHS_44	Lead in solder of sensors, actuators, and engine control units of combustion engines within the scope of Regulation (EU) 2016/1628 of the European Parliament and of the Council (*), installed in equipment used at fixed positions while in operation which is designed for professionals, but also used by non-professional users	11	2024/7/21	
The items mentioned of "(2011/65/EU ANNEX III)" <a href="https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm">https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm</a> Exemptions list - validity and rolling plan				

No.12	Lead and Lead compounds(continued)	
Substance/Substance group		CAS No. (Note 3)
Lead		7439-92-1
Lead -tin alloy		-
Lead monoxide (lead oxide)		1317-36-8
Lead peroxide		1309-60-0
Lead trioxide		1314-27-8
Orange lead (lead tetroxide)		1314-41-6
Lead azide		13424-46-9
Lead fluoride		7783-46-2
Lead chloride		7758-95-4
Lead tetrachloride		13463-30-4
Lead iodide		10101-63-0
Lead sulfide (PbS)		1314-87-0
Lead bis(tetrafluoroborate)		13814-96-5
Lead hexafluorosilicate		25808-74-6
Lead dinitrate		10099-74-8
Lead carbonates: Neutral anhydrous carbonate (PbCO <sub>3</sub> )		598-63-0
Bis[carbonato(2-)]dihydroxytrilead		1344-36-1
Lead sulphates: PbSO <sub>4</sub> · Lead sulphates: Pb <sub>x</sub> SO <sub>4</sub>		7446-14-2,15739-80-7
Tetralead trioxide sulphate		12202-17-4
Trilead bis(orthophosphate)		7446-27-7
Lead thiocyanate		592-87-0
Lead (II) acetate, trihydrate		6080-56-4
Lead di(acetate)		301-04-2
Lead (IV) acetate		546-67-8
Lead oleate		1120-46-3
Lead stearate		7428-48-0
Boric acid (HBO <sub>2</sub> ), lead (2+) salt, monohydrate (8Cl, 9Cl)		10214-39-8
Silicic acid, lead salt		11120-22-2,10099-76-0
Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), lead (2+) salt (1:1)		
Lead antimonate		13510-89-9
Lead hydrogen arsenate		7784-40-9
Lead arsenite		10031-13-7
Lead sulfochromate yellow; C.I. Pigment Yellow 34; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77603.]		1344-37-2
Lead molybdate		10190-55-3
Calcium plumbate		12013-69-3
Tetramethyl lead		75-74-1
Tetraethyl lead		78-00-2
Lead chromate		7758-97-6
Lead chromate molybdate sulfate red; C.I. Pigment Red 104; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77605.]		12656-85-8
Trilead diarsenate		3687-31-8
Lead 2,4,6-trinitroresorcinoxide, lead styphnate		15245-44-0
Lead dipicrate		6477-64-1
Lead carbonates: Trilead-bis(carbonate)-dihydroxide 2Pb CO <sub>3</sub> -Pb (OH) <sub>2</sub>		1319-46-6
Lead selenide (PbSe)		12069-00-0
Lead titanium trioxide		12060-00-3
Stearic acid, lead (2+) salt		1072-35-1
Sulfurous acid, lead salt, dibasic		62229-08-7
Trilead dioxide phosphonate		12141-20-7
Pyrochlore, antimony lead yellow		8012-00-8
Pentalead tetraoxide sulphate		12065-90-6
Lead cyanamidate		20837-86-9
Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD), the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008		68784-75-8

No.12	Lead and Lead compounds(continued)	
Substance/Substance group	CAS No. (Note 3)	
Lead titanium zirconium oxide	12626-81-2	
Lead oxide sulfate	12036-76-9	
[Phthalato(2-)]dioxotrilead	69011-06-9	
Dioxobis(stearato)trilead	12578-12-0	
Fatty acids, C16-18, lead salts	91031-62-8	
Other Lead compounds	-	
Referenced laws & regulations	(EU) 2011/65/EU (RoHS): Annex II (EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) Batteries Directive 2006/66/EC (US) Toxic Substances Control Act (TSCA): Section 6	
Note	*1. If there is a difference from the RoHS directive, the directive will take precedence. *2. According to the definition of RoHS directive.	

No.13	Mercury and Mercury compounds			
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)			
All except batteries	- Intentional added - 0.1 mass% of article (1000 ppm)			
All batteries	- Intentional added - 0.0001 mass% of battery (1 ppm) - 0.0005 mass% of total Mercury in homogeneous material (5 ppm)			
Exclusion				
Application	Law & regulations_Code	Description*1	Category *2	Scope and dates of applicability
All, Except batteries	RoHS_1(a)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes < 30 W; 2.5 mg	1~11	-
	RoHS_1(b)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes ≥ 30 W and < 50 W; 3.5 mg	1~11	-
	RoHS_1(c)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes ≥ 50 W and < 150 W; 5 mg	1~11	-
	RoHS_1(d)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes ≥ 150 W; 15 mg	1~11	-
	RoHS_1(e)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm	1~11	-
	RoHS_1(f)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For special purposes: 5 mg	1~11	-

No.13	Mercury and Mercury compounds(continued)			
Exclusion				
Application	Law & regulations_Code	Description*1	Category*2	Scope and dates of applicability
All, Except batteries	RoHS_1(g)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes < 30 W with a lifetime equal or above 20,000 h: 3.5 mg	1~11	-
	RoHS_2(a)(1)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4mg	1~11	-
	RoHS_2(a)(2)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 3mg	1~11	-
	RoHS_2(a)(3)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and ≤ 28 mm (e.g. T8): 3.5mg	1~11	-
	RoHS_2(a)(4)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 3.5 mg	1~11	-
	RoHS_2(a)(5)	Mercury in double-capped linear fluorescent lamps for generation lighting purposes not exceeding (per lamp): Tri-band phosphor with long lifetime (≥ to 25,000 h): 5 mg	1~11	-
	RoHS_2(b)(3)	Mercury in other fluorescent lamps not exceeding (per lamp): Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9): 15 mg	1~11	-
	RoHS_2(b)(4)	Mercury in other fluorescent lamps not exceeding (per lamp): Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg	1~11	-

No.13	Mercury and Mercury compounds(continued)			
Exclusion				
Application	Law & regulations_Code	Description*1	Category*2	Scope and dates of applicability
All, Except batteries	RoHS_3(a)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp): Short length ( $\leq 500$ mm)	1~11	-
	RoHS_3(b)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp): Medium length ( $> 500$ mm and $\leq 1,500$ mm)	1~11	-
	RoHS_3(c)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp): Long length ( $> 1,500$ mm)	1~11	-
	RoHS_4(a)	Mercury in other Low pressure discharge lamps (per lamp)	1~11	-
	RoHS_4(b)-I	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index $R_a > 60$ : $P \leq 155$ W	1~11	-
	RoHS_4(b)-II	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index $R_a > 60$ : $P < 155$ W and $\leq 405$ W	1~11	-
	RoHS_4(b)-III	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index $R_a > 60$ : $P > 405$ W	1~11	-
	RoHS_4(c)-I	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): $P \leq 155$ W	1~11	-
	RoHS_4(c)-II	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): $155$ W $< P \leq 405$ W	1~11	-
	RoHS_4(c)-III	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): $P > 405$ W	1~11	-

No.13	Mercury and Mercury compounds(continued)			
Exclusion				
Application	Law & regulations_Code	Description*1	Category*2	Scope and dates of applicability
	RoHS_ 4(e)	Mercury in metal halide lamps (MH)	1~11	-
	RoHS_ 4(f)	Mercury in other discharge lamps for special purposes not specially mentioned in this Annex	1~11	-
	The items mentioned of "(2011/65/EU ANNEX III)" <a href="https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm">https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm</a> Exemptions list - validity and rolling plan			
Substance/Substance group			CAS No. (Note 3)	
Mercury			7439-97-6	
Mercury alloys; amalgam			-	
Mercurous oxide			15829-53-5	
Mercuric oxide			21908-53-2	
Mercury, chloro(cyclohexylmethyl)-			33631-63-9	
Mercury chloride			10112-91-1	
Mercuric chloride			7487-94-7	
Mercuric nitrate			10045-94-0	
Mercurous sulfate			7783-36-0	
Mercury-difulminate			628-86-4	
Mercuric acetate			1600-27-7	
Methylmercury salts			e.g. 22967-92-6	
Methylmercury salts			e.g. 22967-92-6	
Ethylmercury salts			-	
Propylmercury salts			-	
Phenylmercury salts			-	
Methoxyethyl- mercury salts			-	
Dialkylmercury			-	
Diphenylmercury			587-85-9	
Mercuric sulfate			7783-35-9	
Mercury sulfide (HgS)			1344-48-5	
Other Mercury compounds			-	
Referenced laws & regulations	(EU) 2011/65/EU (RoHS): Annex II (EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) Batteries Directive 2006/66/EC			
Note	*1. If there is a difference from the RoHS directive, the directive will take precedence. *2. According to the definition of RoHS directive.			

No.14	Chromium VI Compounds			
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)		
Natural leather parts and materials		- Containing of chromium (VI) equal to or greater than 3 mg/kg (0.0003 % by weight) of the total dry weight of the leather.		
All uses other than the above		- Intentional added - 0.1 mass% of article(1000ppm)		
Exclusion	None			
Application	Law & regulations_Code	Description*1	Category *2	Scope and dates of applicability
All products	RoHS_9	Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75% by weight in the cooling solution	1~11	-
	The items mentioned of "(2011/65/EU ANNEX III)" <a href="https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm">https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm</a> Exemptions list - validity and rolling plan			
Substance/Substance group			CAS No. (Note 3)	
Chromium (VI) Compounds			1333-82-0	
Lithium chromate			14307-35-8	
Sodium chromate			7775-11-3	
Potassium chromate			7789-00-6	
Chromate (1-), chlorotrioxo-, potassium, (T-4)-			16037-50-6	
Ammonium chromate			7788-98-9	
Copper chromate			13548-42-0	
Chromic acid (H2CrO4), magnesium salt (1:1)			13423-61-5	
Calcium chromate			13765-19-0	
Strontium chromate			7789-06-2	
Barium chromate			10294-40-3	
Chromic acid (H2CrO4), zinc salt (1:1)			13530-65-9	
Chromic acid (H2Cr2O7), zinc salt (1:1)			14018-95-2	
Sodium dichromate			10588-01-9,7789-12-0	
Potassium dichromate			7778-50-9	
Ammonium dichromate			7789-09-5	
Chromic acid, calcium salt, (Calcium dichromate)			14307-33-6	
Chromium III chromate; chromic chromate			24613-89-6	
Potassium hydroxyoctaoxidizincatedichromate			11103-86-9	
Pentazinc chromate octahydroxide			49663-84-5	
Other Chromium VI Compounds			-	
Lead chromate			7758-97-6	
Lead chromate molybdate sulfate red; C.I. Pigment Red 104; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77605.]			12656-85-8	
Lead sulfochromate yellow; C.I. Pigment Yellow 34; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77603.]			1344-37-2	
Referenced laws & regulations	(EU) 2011/65/EU (RoHS): Annex II (EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006):The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (US) Toxic Substances Control Act (TSCA): Section 6			
Note	*1. If there is a difference from the RoHS directive, the directive will take precedence. *2. According to the definition of RoHS directive.			

No.15	Polybrominated Biphenyls (PBBs)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added - 0.1 mass% of article(1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Polybromobiphenyls, Polybrominatedbiphenyls (PBB)		59536-65-1, 67774-32-7
1,1'-Biphenyl, 4,4'-dibromo-		92-86-4
2-bromobiphenyl		2052-07-5
3-bromobiphenyl		2113-57-7
4-Bromobiphenyl		92-66-0
1,1'-Biphenyl, 2,2',5-tribromo-		59080-34-1
Hexabromobiphenyl		36355-01-8
2,2',4,4',5,6'-Hexabromobiphenyl		36402-15-0
2,2',3,3',5,5'-Hexabromobiphenyl		55066-76-7
1,1'-Biphenyl, 2,2',4,4',5,5'-hexabromo-		59080-40-9
2,2',4,4',6,6'-Hexabromobiphenyl		59261-08-4
3,3',4,4',5,5'-Hexabromobiphenyl		60044-26-0
2,2',3,4,4',5'-Hexabromobiphenyl		67888-98-6
2,3',4,4',5,5'-Hexabromobiphenyl		67888-99-7
2,2',3,4',5,6'-Hexabromobiphenyl		69278-59-7
2,3,3',4,4',5'-Hexabromobiphenyl		77607-09-1
2,2',3,4,4',5'-Hexabromobiphenyl		81381-52-4
2,2',3,3',4,4'-Hexabromobiphenyl		82865-89-2
2,2',3,3',4,5'-Hexabromobiphenyl		82865-90-5
2,3,3',4',5',6'-Hexabromobiphenyl		82865-91-6
2,3,3',4,4',5'-Hexabromobiphenyl		84303-47-9
2,3',4,4',5',6'-Hexabromobiphenyl		84303-48-0
2,2',3,4',6,6'-Hexabromobiphenyl		93261-83-7
2,2',3,3',4,6'-Hexabromobiphenyl		119264-50-5
2,2',3,3',5,6'-Hexabromobiphenyl		119264-51-6
2,2',3,4,5',6'-Hexabromobiphenyl		119264-52-7
2,2',3,5,5',6'-Hexabromobiphenyl		119264-53-8
2,2',3,4,5,5'-Hexabromobiphenyl		120991-47-1
2,3,3',4,5,5'-Hexabromobiphenyl		120991-48-2
1,1'-Biphenyl, 2,3,3',4'-tetrabromo-		40088-45-7
Pentabromobiphenyl		56307-79-0
Heptabromobiphenyl		35194-78-6
Bromkal 80		61288-13-9
Nonabromo-1,1'-biphenyl		27753-52-2
Decabromobiphenyl		13654-09-6
Other Polybrominated Biphenyls (PBBs)		-
Referenced laws & regulations	(JP) Chemical Substances Control Law:Class I Specified Chemical Substances (EU) 2011/65/EU (RoHS): Annex II (EU) 2019/1021 (POPs): Annex I	
Note		



No.16	Polybrominated Diphenylethers (PBDEs)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added - 0.1 mass% of article(1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Bis(pentabromophenyl)ether (decabromodiphenyl ether; decaBDE)		1163-19-5
Monobromodiphenyl ether		101-55-3
Dibromodiphenyl ether		2050-47-7
Tribromodiphenyl ether		49690-94-0
Tetrabromodiphenyl ether C12H6Br4O		40088-47-9,5436-43-1 93703-48-1,103173-66-6
Pentabromodiphenyl ether C12H5Br5O		32534-81-9,60348-60-9 189084-65-9
Hexabromodiphenyl ether C12H4Br6O		36483-60-0,31153-30-7 35854-94-5,68631-49-2 116995-33-6,207122-15-4
Heptabromodiphenyl ether C12H3Br7O		68928-80-3,116995-32-5 117948-63-7,207122-16-5 446255-22-7
Diphenylether; octabromo derivate		32536-52-0
Nonabromodiphenyl ether		63936-56-1
Other Polybrominated Diphenylethers (PBDEs)		-
Referenced laws & regulations	(JP) Chemical Substances Control Law: Class I Specified Chemical Substances (EU) 2011/65/EU (RoHS): Annex II (EU) 2019/1021 (POPs): Annex I (EU) REACH (No 1907/2006): Annex XVII Restriction substances (US) Toxic Substances Control Act (TSCA): Section 6	
Note		

No.17	Bis (2-ethylhexyl) phthalate (DEHP)			
Reportable Applications (Note 1)			Threshold Level / Reporting Threshold (Note 2)	
Parts and materials used in electrical and electronic equipment All Products (Equipment covered under the EU RoHS Directive)			- Intentional added - 0.1 mass% of article(1000ppm)	
All uses other than the above			- 0.1 mass% (1000 ppm) or more in plasticized material (As the sum of DEHP, DBP, BBP, DIBP)	
Exclusion				
Application	Law & regulations_Code	Description*1	Category *2	Scope and dates of applicability
All Products	RoHS_43	<p>Bis(2-ethylhexyl) phthalate in rubber components in engine systems, designed for use in equipment that is not intended solely for consumer use and provided that no plasticised material comes into contact with human mucous membranes or into prolonged contact with human skin and the concentration value of bis(2-ethylhexyl) phthalate does not exceed:</p> <p>(a) 30 % by weight of the rubber for</p> <p>(i) gasket coatings;</p> <p>(ii) solid-rubber gaskets; or</p> <p>(iii) rubber components included in assemblies of at least three components using electrical, mechanical or hydraulic energy to do work, and attached to the engine.</p> <p>(b) 10 % by weight of the rubber for rubber-containing components not referred to in point (a).</p> <p>For the purposes of this entry, "prolonged contact with human skin" means continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day.</p>	11	2024/07/21
<p>The items mentioned of "(2011/65/EU ANNEX III)"  <a href="https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm">https://ec.europa.eu/environment/waste/rohs_eee/adaptation_en.htm</a>  Exemptions list - validity and rolling plan</p>				
Substance/Substance group				CAS No. (Note 3)
Bis(2-ethylhexyl) phthalate (DEHP); di-(2-ethylhexyl) phthalate				117-81-7
Referenced laws & regulations	(EU) 2011/65/EU (RoHS): Annex II (EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances			
Note				

No.18	Diisobutyl phthalate (DIBP)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
Parts and materials used in electrical and electronic equipment All Products (Equipment covered under the EU RoHS Directive)	- Intentional added - 0.1 mass% of article(1000ppm)	
All uses other than the above	- 0.1 mass% (1000 ppm) or more in plasticized material (As the sum of DEHP, DBP, BBP, DIBP)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Diisobutyl phthalate (DIBP)	84-69-5	
Referenced laws & regulations	(EU) 2011/65/EU (RoHS): Annex II (EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authrisation Substances	
Note		

No.19	Dibutyl phthalate (DBP)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
Parts and materials used in electrical and electronic equipment All Products (Equipment covered under the EU RoHS Directive)	- Intentional added - 0.1 mass% of article(1000ppm)	
All uses other than the above	- 0.1 mass%(1000ppm) or more in plasticized material (As the sum of DEHP, DBP, BBP, DIBP)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Dibutyl phthalate (DBP)	84-74-2	
Referenced laws & regulations	(EU) 2011/65/EU (RoHS): Annex II (EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authrisation Substances	
Note		

No.20	Benzyl butyl phthalate (BBP)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
Parts and materials used in electrical and electronic equipmenAll Products (Equipment covered under the EU RoHS Directive)	- Intentional added - 0.1 mass% of article(1000ppm)	
All uses other than the above	- 0.1 mass%(1000ppm) or more in plasticized material (As the sum of DEHP, DBP, BBP, DIBP)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Benzyl butyl phthalate (BBP)	85-68-7	
Referenced laws & regulations	(EU) 2011/65/EU (RoHS): Annex II (EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006):The Candidate List of Substances of SVHC, Annex XIV Authrisation Substances	
Note		

No.21	Nickel and Nickel compounds	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
Usage in which contact with skin is expected to be prolonged (belts, straps, ear phones, head phones and shoulder pads for bags, etc)		- Intentional added
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Nickel		7440-02-0
Nickel monoxide		1313-99-1
Nickel dichloride		7718-54-9
Nickel (II) chloride hexahydrate (1:2:6)		7791-20-0
Nickel sulfate		7786-81-4
Nickel (II) sulfate hexahydrate (1:1:6)		10101-97-0
Sulfuric acid, nickel (2+) salt (1:1), heptahydrate		10101-98-1
Antimony nickel titanium oxide yellow		8007-18-9
Nickel niobium titanium yellow rutile		68611-43-8
C.I. Pigment Green 50		68186-85-6
Other Nickel compounds		-
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.22	Azocolourants and azodyes which form certain aromatic amines	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
Textiles and Leather		- 0.003% by weight of the finished textile/leather product(30ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
4-Aminobiphenyl; xenylamine; Biphenyl-4-ylamine		92-67-1
Benzidine; 4,4'-diaminobiphenyl; biphenyl-4,4'-ylenediamine		92-87-5
4-Chloro-o-toluidine		95-69-2
2-Naphthylamine; beta-naphthylamine		91-59-8
4-o-Tolylazo-o-toluidine; 4-amino-2',3-dimethylazobenzene; fast garnet GBC base; AAT; o-aminoazotoluene		97-56-3
5-nitro-o-toluidine		99-55-8
4-Chloraniline		106-47-8
2,4-Diaminoanisole; 4-methoxy-m-phenylenediamine		615-05-4
4,4'-Diaminodiphenylmethane; 4,4'-methylenedianiline		101-77-9
3,3'-Dichlorobenzidine; 3,3'-dichlorobiphenyl-4,4'-ylenediamine		91-94-1
3,3'-Dimethoxybenzidine; o-dianisidine		119-90-4
3,3'-Dimethylbenzidine; o-tolidine; 4,4'-bi-o-toluidine		119-93-7
4,4'-Methylenedi-o-toluidine		838-88-0
6-Methoxy-m-toluidine; p-cresidine		120-71-8
2,2'-Dichloro-4,4'-methylenedianiline; 4,4'-Methylene bis(2-chloroaniline)		101-14-4
4,4'-Oxydianiline; p-Aminophenyl ether		101-80-4
4,4'-Thiodianiline		139-65-1
o-Toluidine; 2-aminotoluene		95-53-4
4-Methyl-m-phenylenediamine; 2,4-Toluenediamine		95-80-7
2,4,5-Trimethylaniline		137-17-7
2-Methoxyaniline; o-anisidine		90-04-0
4-Aminoazobenzene		60-09-3
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note	The European Community's ban applies to azocolorants and azodyes that by reductive cleavage of azo groups may release one of the above 22 aromatic amines.	

No.23	Dibutyltin (DBT) compounds	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of tin in the part(1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Dibutyltin oxide		818-08-6
Dibutyltin diacetate		1067-33-0
Dibutyltin dilaurate; dibutyl [bis (dodecanoyloxy)] stannane		77-58-7
Dibutyltin maleate		78-04-6
Dibutyltin dichloride; (DBTC)		683-18-1
Dibutyltin bis (benzyl maleate)		7324-74-5
Other Dibutyltin (DBT) compounds		-
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.24	Dioctyltin compounds (DOT)		
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)	
(a)Cloth, fiber, leather goods, and those materials (b)Two-component room temperature vulcanization molding kits (RTV-2 molding kits)		- 0.1 mass% of tin in the part(1000ppm)	
Exclusion			
Application	Law & regulations_Code	Description*1	Scope and dates of applicability
a) Textile articles intended to come into contact with the skin b) Two-component room temperature vulcanization molding kits (RTV-2 molding kits)	REACH Annex XVII_DOT-1	Any articles other than the following articles- textile articles intended to come into contact with the skin, - gloves, - footwear or part of footwear intended to come into contact with the skin, - walls and floor coverings, - two-component room temperature vulcanization molding kits (RTV-2 molding kits)	-
Applications other than the above	REACH Annex XVII_DOT-98	Any use which the content is not greater than the threshold, the equivalent of 0.1% by weight of tin	-
Substance/Substance group			CAS No. (Note 3)
Dioctyltin oxide, (Stannane, dioctyloxo-)			870-08-6
Dioctyltin dilaurate			3648-18-8
Dioctyltin maleate			16091-18-2
Acetic acid,2,2'-[(dioctylstannylene)bis(thio)] bis-, 1,1'-diisooctyl ester			26401-97-8
Dichlorodioctylstannane			3542-36-7
Other Dioctyltin oxide			-
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances		
Note			

No.25	Specified organic tin compounds (Tri-substituted organostannic compounds (include TBT, TPT))	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added - 0.1 mass% of tin in the part(1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No.(Note 3)	
Stannylum, triphenyl-	668-34-8	
Triphenyltin dimethyldithiocarbamate	1803-12-9	
Stannane, fluorotriphenyl-	379-52-2	
Stannane, acetoxypentatriphenyl-	900-95-8	
Triphenyl tin chloride	639-58-7	
Triphenyltin hydroxide	76-87-9	
(Chloroacetoxy)triphenylstannane	7094-94-2	
Tributyltin methacrylate	2155-70-6	
Bis(tributylstannyl)Fumarate	6454-35-9 24291-45-0	
Triphenyltin fattyacid((9-11)salt)	18380-71-7 18380-72-8 94850-90-5 47672-31-1	
Stannane, tributylfluoro-	1983-10-4 7304-48-5	
Bis(tributyltin)2,3-dibromosuccinate	31732-71-5, 56323-17-2	
Tributyltin acetate	56-36-0	
Tributyl(lauroyloxy)stannane	3090-36-6	
Bis(tributyltin)phthalate	4782-29-0	
Copolymer of alkyl(c=8) acrylate,methyl methacrylate and tributyltin methacrylate	67772-01-4	
Tributyltin sulfamate	6517-25-5	
Bis(tributyltin) maleate	14275-57-1	
Tributyltin chloride	1461-22-9 7342-38-3	
Tributyltin naphthenate; Stannane, tributyl-, mono(naphthenoyloxy) derivs.	85409-17-2	
[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 - phenanthryl] carbonyl] oxy] stannane	26239-64-5	
Bromotrimethylstannane	1066-44-0	
Trimethyltin chloride	1066-45-1	
Tributyltin methoxide	1067-52-3	
Tributyltin hydroxide	1067-97-6	
Trimethyltin azide	1118-03-2	
Trimethyltin acetate	1118-14-5	
Tributyltin methanesulphonate	13302-06-2	
Tributyltin Acrylate	13331-52-7	
Tributyltin bromide	1461-23-0	
Triethyltin phenoxide	1529-30-2	
Triethyltin acetate	1907-13-7	
Tributyltin dimethyldithiocarbamate	20369-63-5	
Tributyltin cyanide	2179-92-2	
Tripropyltin chloride	2279-76-7	
Tributyltin linoleate	24124-25-2	
Bis(tributyltin) itaconate	25711-26-6	
Tributyltin cinnamate	27147-18-8	
Tripropyltin bromide	2767-61-5	
Triethyltin iodide	2943-86-4	
Tributyl(oleoyloxy) stannane	3090-35-5	
Tributyltin gamma-chlorobutyrate	33550-22-0	
Tributyl(4-nitrophenoxy) stannane	3644-32-4	
(2-biphenyloxy) tributyltin	3644-37-9	

No.25	Specified organic tin compounds (trisubstituted stannanes(include TBT,TPT))(Continued)	
Substance/Substance group	CAS No.(Note 3)	
Tributyltin naphthenate	36631-23-9	
Tributyltin nonanoate	4027-14-9	
Tributyltin cyanate	4027-17-2	
2-Butenoic acid,4-oxo-4-[(tributylstannyl)oxy] but-2-enoic acid	4027-18-3	
Tripropyltin methacrylate	4154-35-2	
Tri-n-butyl tin salicylate	4342-30-7	
Tributyltin benzoate	4342-36-3	
Trimethyltin thiocyanate	4638-25-9	
Tributyltin 2-ethylhexanoate	5035-67-6	
Tributyltin isopropylsuccinate	53404-82-3	
Tributyltin monopropylene glycol maleate	53466-85-6	
Trimethyltin hydroxide	56-24-6	
Tributyltin	56573-85-4	
Tripropyltin laurate	57808-37-4	
Tributyltin chloroacetate	5847-52-9	
Trimethyltin sulphate	63869-87-4	
Tributyltin isothiocyanate	681-99-2	
Tributyltin (and salts and esters)	688-73-3	
Tributyltin undecylenate	69226-47-7	
Tripropyltin iodide	7342-45-2	
Tributyltin iodide	7342-47-4	
Tributyltin iodoacetate	73927-91-0	
Tripropyltin iodoacetate	73927-92-1	
Tributyltin o-iodobenzoate	73927-93-2	
Tributyltin. beta. -iodopropionate	73927-95-4	
Tributyltin isooctylthioacetate	73927-97-6	
Tributyltin p-iodobenzoate	73940-88-2	
Tributyltin. alpha. - (2,4,5-trichlorophenoxy) propionate	73940-89-3	
1,3,5-tris(tributyltin)-S-triazine-2,4,6-trione	752-58-9	
Trimethyltin iodide	811-73-4	
Triphenyltin hydride	892-20-6	
Triphenyltin iodide	894-09-7	
Triethyltin chloride	994-31-0	
Triethyltin hydroxide	994-32-1	
Other Tri-substituted organostannic compounds	-	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		



No.26	Ozone Depleting Substances (CFC, Halon, HBFC & others)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Trichlorofluoromethane (CFC-11)	75-69-4	
Dichlorodifluoromethane (CFC-12)	75-71-8	
Chlorotrifluoromethane (CFC-13)	75-72-9	
Pentachlorofluoroethane (CFC-111)	354-56-3	
Tetrachlorodifluoroethane (CFC-112)		
1,1,2,2-Tetrachloro-1,2-difluoroethane (CFC-112)	76-12-0	
1,1,1,2-Tetrachlor-2,2-difluoroethane (CFC-112a)	76-11-9	
Trichlorotrifluoroethane (CFC-113)		
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)	76-13-1	
1,1,1-Trichloro-2,2,2-trifluoroethane (CFC-113a)	354-58-5	
Trichlorotrifluoroethane (CFC-113)	26523-64-8	
Cryofluorane (CFC-114)	76-14-2	
Monochloropentafluoroethane (CFC-115)	76-15-3	
Heptachlorofluoropropane (CFC-211)		
1,1,1,2,2,3,3-Heptachloro-3-fluoropropane (CFC-211aa)	422-78-6	
1,1,1,2,2,3,3-Heptachloro-2-fluoropropane (CFC-211ba)	422-81-1	
Heptachlorofluoropropane(CFC-211)	135401-87-5	
Hexachlorodifluoropropane (CFC-212)		
1,1,1,3,3,3-Hexachlor-2,2-difluoropropane (CFC-212)	3182-26-1	
Hexachlorodifluoropropane (CFC-212)	134452-44-1	
Pentachlorotrifluoropropane (CFC-213)		
1,1,1,3,3-Pentachlor-2,2,3-trifluoropropane (CFC-213)	2354-06-5	
Pentachlorotrifluoropropane (CFC-213)	134237-31-3	
Tetrachlorotetrafluoropropane (CFC-214)		
Tetrachlorotetrafluoropropane (CFC-214)	29255-31-0	
1,2,2,3-Tetrachloro-1,1,3,3-tetrafluoropropane (CFC-214aa)	677-68-9	
1,1,1,3-Tetrachloro-2,2,3,3-tetrafluoropropane (CFC-214cb)	2268-46-4	
Trichloropentafluoropropane (CFC-215)		
1,2,2-Trichloro-1,1,3,3,3-pentafluoropropane (CFC-215aa)	1599-41-3	
1,2,3-Trichloro-1,1,2,3,3-pentafluoropropane (CFC-215ba)	76-17-5	
1,1,2-Trichloro-1,3,3,3-tetrafluoropropane (CFC-215bb)	812-30-6	
1,1,3-Trichloro-1,2,2,3,3-pentafluoropropane (CFC-215ca)	1652-81-9	
1,1,1-Trichloro-2,2,3,3,3-pentafluoropropane (CFC-215cb)	4259-43-2	
Dichlorohexafluoropropane (CFC-216)		
1,2-Dichloro-1,1,2,3,3,3-hexafluoro-propane (CFC-216ba)	661-97-2	
1,3-Dichloro-1,1,2,2,3,3-hexafluoro-propane (CFC-216ca)	662-01-1	
Chloroheptafluoropropane (CFC-217)		
2-Chloro-1,1,1,2,3,3,3-heptafluoropropane (CFC-217ba)	76-18-6	
1-Chloro-1,1,2,2,3,3,3-heptafluoropropane (CFC-217ca)	422-86-6	
Bromochloromethane (Halon-1011)	74-97-5	
Dibromodifluoromethane (Halon-1202)	75-61-6	
Bromochlorodifluoromethane (Halon-1211)	353-59-3	
Bromotrifluoromethane (Halon-1301)	75-63-8	
Dibromotetrafluoroethane (Halon-2402)		
1,2-Dibrom-1,1,2,2-tetrafluoroethan	124-73-2	
2,2-Dibromo-1,1,1,2-tetrafluoroethane	27336-23-8	
Dibromotetrafluoroethane	25497-30-7	
Carbon tetrachloride	56-23-5	
1,1,1-Trichloroethane (Ethane, 1,1,1-trichloro-)	71-55-6	
Methyl bromide (Bromomethane)	74-83-9	
Bromoethane (ethyl bromide)	74-96-4	
1-Bromopropane; Propyl bromide; n-Propyl bromide	106-94-5	

No.26	Ozone Depleting Substances (CFC, Halon, HBFC & others) (Continued)	
Substance/Substance group		CAS No. (Note 3)
Trifluoroiodomethane (trifluoromethyl iodide)		2314-97-8
Chloromethane (methyl chloride)		74-87-3
Dibromofluoromethane (HBFC-21B2)		1868-53-7
Bromodifluoromethane (HBFC-22B1)		1511-62-2
Bromofluoromethane (HBFC-31B1)		373-52-4
Tetrabromofluoroethane (HBFC-121 B4)		
1,1,2,2-tetrabromo-1-fluoro-ethane		306-80-9
Tetrabromofluoroethane		353-93-5
Tribromodifluoroethane (HBFC-122 B3)		
1,1,2-tribromo-1,2-difluoroethane		353-97-9
1,2,2-tribromo-1,1-difluoroethane		677-34-9
1,1,1-tribromo-2,2-difluoroethane		7304-53-2
Dibromotrifluoroethane (HBFC-123 B2)		
1,2-Dibromo-1,1,2-trifluoroethane		354-04-1
Bromotetrafluoroethane (HBFC-124 B1)		
2-Bromo-1,1,1,2-tetrafluoroethane		124-72-1
Tribromofluoroethane (HBFC-131 B3)		
1,1,2-tribromo-1-fluoroethane		420-88-2
1,1,2-tribromo-2-fluoroethane		598-67-4
Dibromodifluoroethane (HBFC-132 B2)		
1,2-Dibromo-1,1-difluoroethane		75-82-1
1,1-Dibromo-2,2-difluoroethane (Ethane, 1,1-Dibromo-2,2-difluoro-)		359-19-3
1,1-Dibromo-2,2-difluoroethylene		430-85-3
Bromotrifluoroethane (HBFC-133 B1)		
2-Bromo-1,1,1-trifluoroethane (HBFC-133a B1)		421-06-7
Dibromofluoroethane (HBFC-141 B2)		
1,2-Dibromo-1-fluoroethane		358-97-4
Bromodifluoroethane (HBFC-142 B1)		
1-Bromo-1,1-difluoroethane		420-47-3
Bromo-1,1-difluoroethane (Ethane, 2-bromo-1,1-difluoro-)		359-07-9
Bromofluoroethane (HBFC-151 B1)		
1-Bromo-2-fluoroethane		762-49-2
Hexabromofluoropropane (HBFC-221 B6)		-
Pentabromodifluoropropane (HBFC-222 B5)		-
Tetrabromotrifluoropropane (HBFC-223 B4)		-
Tribromotetrafluoropropane (HBFC-224 B3)		-
Dibromopentafluoropropane (HBFC-225 B2)		431-78-7
Bromohexafluoropropane (HBFC-226 B1)		
1-Bromo-1,1,2,3,3,3-hexafluoropropane		2252-78-0
Pentabromofluoropropane (HBFC-231 B5)		-
Tetrabromodifluoropropane (HBFC-232 B4)		148875-98-3
Tribromotrifluoropropane (HBFC-233 B3)		
1,2,2-Tribromo-3,3,3-trifluoropropane		421-90-9
Dibromotetrafluoropropane (HBFC-234 B2)		
1,3-Dibromo-1,1,3,3-tetrafluoropropane		460-86-6
Bromopentafluoropropane (HBFC-235 B1)		
1-bromo-1,1,3,3,3-pentafluoro-propane		460-88-8
2-bromo-1,1,1,3,3-pentafluoro-propane		22692-16-6
2-bromo-1,1,2,3,3-pentafluoro-propane		26391-11-7
1-bromo-1,1,2,2,2-pentafluoro-propane		422-01-5
Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R*, S*)- (9CI)		53692-43-6
Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R*, R*)- (9CI)		53692-44-7
2-bromo-1,1,1,2,3-pentafluoro-propane		677-52-1
1-bromo-1,1,2,2,3-pentafluoro-propane		677-53-2
1-bromo-1,2,2,3,3-pentafluoro-propane		679-94-7
Tetrabromofluoropropane (HBFC-241 B4)		
1,1,1,3-tetrabromo-3-fluoro-propane		148875-95-0

No.26	Ozone Depleting Substances (CFC, Halon, HBFC & others) (Continued)	
Substance/Substance group		CAS No. (Note 3)
Tribromodifluoropropane (HBFC-242 B3)		
1,1,1-tribromo-2,2-difluoro-propane		70192-80-2
1,2,3-Tribromo-3,3-difluoropropane		666-25-1
Tribromodifluoropropane (HBFC-242 B3)		
1,1,1-tribromo-2,2-difluoro-propane		70192-80-2
1,2,3-Tribromo-3,3-difluoropropane		666-25-1
Dibromotrifluoropropane (HBFC-243 B2)		
2,3-Dibromo-1,1,1-trifluoropropane		431-21-0
Bromotetrafluoropropane (HBFC-244 B1)		
3-Bromo-1,1,2,2-tetrafluoropropane		679-84-5
2-bromo-1,1,3,3-tetrafluoro-propane		19041-01-1
2-bromo-1,3,3,3-tetrafluoropropane		29151-25-5
3-bromo-1,1,1,3-tetrafluoropropane		460-67-3
1-bromo-1,2,2,3-tetrafluoro-propane		70192-71-1
1-bromo-1,1,2,2-tetrafluoropropane		70192-84-6
Tribromofluoropropane (HBFC-251 B3)		
1,2,3-tribromo-1-fluoro-propane		75372-14-4
Dibromodifluoropropane (HBFC-252 B2)		
1,3-Dibromo-1,1-difluoropropane		460-25-3
Bromotrifluoropropane (HBFC-253 B1)		
2-bromo-1,1,1-trifluoro-propane		421-46-5
3-Bromo-1,1,1-trifluoropropane (Propane, 3-Bromo-1,1,1-trifluoro-)		460-32-2
Dibromofluoropropane (HBFC-261 B2)		
1,3-Dibromo-1-fluoropropane		51584-26-0
1,3-Dibromo-2-fluoropropane		1786-38-5
1,2-Dibromo-3-fluoropropane		453-00-9
1,2-Dibromo-1-fluoro- (R*, S*)-propane		62135-10-8
1,2-Dibromo-1-fluoro- (R*, R*)-propane		62135-11-9
Bromodifluoropropane (HBFC-262 B1)		
1-bromo-2,3-difluoro-propane		111483-20-6
2-bromo-1,3-difluoro-propane		2195-05-3
1-bromo-1,1-difluoro-propane		420-89-3
1-bromo-2,2-difluoro-propane		420-98-4
2-bromo-1,1-difluoro-propane		430-87-5
3-bromo-1,1-difluoro-propane		461-49-4
Bromofluoropropane (HBFC-271 B1)		
1-bromo-2-fluoro-propane		1871-72-3
1-Bromo-3-fluoropropane (Propane, 1-Bromo-3-fluoro-)		352-91-0
Dichlorofluoromethane (HCFC-21)		75-43-4
Chlorodifluoromethane (HCFC-22)		75-45-6
Chlorofluoromethane (HCFC-31)		593-70-4
Tetrachlorofluoroethane (HCFC-121)		
1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)		134237-32-4,354-14-3
1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)		354-11-0
Trichlorodifluoroethane (HCFC-122)		
1,2,2-Trichloro-1,1-difluoroethane (HCFC-122)		354-21-2
1,1,2-Trichloro-1,2-difluoroethane (HCFC-122a)		354-15-4
1,1,1-Trichloro-2,2-difluoroethane (HCFC-122b)		354-12-1
Trichlorodifluoroethane (HCFC-122)		41834-16-6
Dichlorotrifluoroethane (HCFC-123)		
2,2-dichloro-1,1,1-trifluoro-ethane (HCFC-123)		306-83-2
1,2-Dichloro-1,1,2-trifluoro-ethane (HCFC-123a)		354-23-4,90454-18-5
1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)		812-04-4
Dichlorotrifluoroethane (HCFC-123)		34077-87-7
Chlorotetrafluoroethane (HCFC-124)		
2-chloro-1,1,1,2-tetrafluoro-ethane (HCFC-124)		2837-89-0
1-chloro-1,1,2,2-tetrafluoro-ethane (HCFC-124a)		354-25-6
Chlorotetrafluoroethane (HCFC-124)		63938-10-3

No.26	Ozone Depleting Substances (CFC, Halon, HBFC & others) (Continued)
Substance/Substance group	CAS No. (Note 3)
Trichlorofluoroethane (HCFC-131)	
1,1,2-Trichloro-2-fluoro-ethane (HCFC-131)	359-28-4
1,1,2-Trichloro-1-fluoro-ethane (HCFC131a)	811-95-0
1,1,1-Trichloro-2-fluoro-ethane (HCFC-131b)	2366-36-1
Trichlorofluoroethane (HCFC-131)	27154-33-2,134237-34-6
Dichlorodifluoroethane (HCFC-132)	
1,2-Dichloro-1,2-difluoroethane (HCFC-132)	431-06-1
1,1-Dichloro-2,2-difluoroethane (HCFC-132a)	471-43-2
1,2-Dichloro-1,1-difluoroethane (HCFC-132b)	1649-08-7
1,1-Dichloro-1,2-difluoroethane (HFCF-132c)	1842-05-3
Dichlorodifluoroethane (HCFC-132)	25915-78-0
Chlorotrifluoroethane (HCFC-133)	
1-Chloro-1,2,2-trifluoroethane (HCFC-133)	431-07-2
2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7
1-Chloro-1,1,2-trifluoroethane (HCFC-133b)	421-04-5
Chlorotrifluoroethane (HCFC-133)	1330-45-6
Dichlorofluoroethane (HCFC-141)	
1,2-Dichloro-1-fluoroethane (HCFC-141)	430-57-9
1,1-Dichloro-2-fluoroethane (HCFC-141a)	430-53-5
1,1-Dichloro-1-fluoroethane (HCFC-141b)	1717-00-6
Dichlorofluoroethane (HCFC-141)	25167-88-8
Chlorodifluoroethane (HCFC-142)	
2-Chloro-1,1-difluoroethane (HCFC-142)	338-65-8
1-Chloro-1,2-difluoroethane (HCFC-142a)	338-64-7
1-Chloro-1,1-difluoroethane (HCFC-142b)	75-68-3
Chlorodifluoroethanes (HCFC-142)	25497-29-4
Chlorofluoroethane (HCFC-151)	
1-Chloro-2-fluoroethane (HCFC-151)	762-50-5
1-Chloro-1-fluoroethane (HCFC-151a)	1615-75-4
Chlorofluoroethane (HCFC-151)	110587-14-9
Hexachlorofluoropropane (HCFC-221)	
1,1,1,2,2,3-Hexachloro-3-fluoropropane (HCFC-221ab)	422-26-4
Hexachlorofluoropropane (HCFC-221)	134237-35-7,29470-94-8
Pentachlorodifluoropropane (HCFC-222)	
1,2,2,3,3-Pentachloro-1,1-difluoropropane (HCFC-222aa)	422-30-0
1,1,1,3,3-Pentachloro-2,2-difluoropropane (HCFC-222ca)	422-49-1
Pentachlorodifluoropropane (HCFC-222)	134237-36-8
Tetrachlorotrifluoropropane (HCFC-223)	
1,1,3,3-Tetrachloro-1,2,2-trifluoropropane (HCFC-223ca)	422-52-6
1,1,1,3-Tetrachloro-2,2,3-trifluoropropane (HCFC-223cb)	422-50-4
Tetrachlorotrifluoropropane (HCFC-223)	134237-37-9
Trichlorotetrafluoropropane (HCFC-224)	
1,3,3-Trichloro-1,1,2,2-tetrafluoropropane (HCFC-224ca)	422-54-8
1,1,3-Trichloro-1,2,2,3-tetrafluoropropane (HCFC-224cb)	422-53-7
1,1,1-Trichloro-2,2,3,3-tetrafluoropropane (HCFC-224cc)	422-51-5
Trichlorotetrafluoropropane (HCFC-224)	134237-38-0
Dichloropentafluoropropane (HCFC-225)	
2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)	128903-21-9
2,3-Dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)	422-48-0
1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)	422-44-6
3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	422-56-0
1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	507-55-1
1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)	13474-88-9
1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)	431-86-7
1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)	136013-79-1
1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)	111512-56-2
1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225)	127564-92-5

No.26	Ozone Depleting Substances (CFC, Halon, HBFC & others) (Continued)	
Substance/Substance group		CAS No. (Note 3)
Chlorohexafluoropropane (HCFC-226)		
2-Chloro-1,1,1,3,3,3-hexafluoro-propane (HCFC-226da)		431-87-8
Chlorohexafluoropropane (HCFC-226)		134308-72-8
Pentachlorofluoropropane (HCFC-231)		
1,1,1,2,3-pentachloro-2-fluoro-propane (HCFC-231bb)		421-94-3
Pentachlorofluoropropane (HCFC-231)		134190-48-0
Tetrachlorodifluoropropane (HCFC-232)		
1,1,1,3-Tetrachloro-3,3-difluoropropane (HCFC-232fc)		460-89-9
Tetrachlorodifluoropropane (HCFC-232)		134237-39-1
Trichlorotrifluoropropane (HCFC-233)		
1,1,1-Trichloro-3,3,3-trifluoropropane (HCFC-233fb)		7125-83-9
Trichlorotrifluoropropane (HCFC-233)		134237-40-4
Dichlorotetrafluoropropane (HCFC-234)		
1,2-Dichloro-1,2,3,3-tetrafluoropropane (HCFC-234db)		425-94-5
Dichlorotetrafluoropropane (HCFC-234)		127564-83-4
Chloropentafluoropropane (HCFC-235)		
1-Chloro-1,1,3,3,3-pentafluoropropane (HCFC-235fa)		460-92-4
Chloropentafluoropropane (HCFC-235)		134237-41-5
Tetrachlorofluoropropane (HCFC-241)		
1,1,2,3-Tetrachloro-1-fluoropropane (HCFC-241db)		666-27-3
Tetrachlorofluoropropane (HCFC-241)		134190-49-1
Trichlorodifluoropropane (HCFC-242)		
1,3,3-Trichloro-1,1-difluoropropane (HCFC-242fa)		460-63-9
Trichlorodifluoropropane (HCFC-242)		134237-42-6,127564-90-3
Dichlorotrifluoropropane (HCFC-243)		
1,1-Dichloro-1,2,2-trifluoropropane (HCFC-243cc)		7125-99-7
2,3-Dichloro-1,1,1-trifluoropropane (HCFC-243db)		338-75-0
3,3-Dichloro-1,1,1-trifluoropropane (HCFC-243fa)		460-69-5
Dichlorotrifluoropropane (HCFC-243)		134237-43-7
Chlorotetrafluoropropane (HCFC-244)		
3-Chloro-1,1,2,2-tetrafluoropropane (HCFC-244ca)		679-85-6
1-Chloro-1,1,2,2-tetrafluoropropane (HCFC-244cc)		421-75-0
Chlorotetrafluoropropane (HCFC-244)		134190-50-4
Trichlorofluoropropane (HCFC-251)		
1,1,2-Trichloro-1-fluoropropane (HCFC-251dc)		421-41-0
1,1,3-Trichloro-1-fluoropropane (HCFC-251fb)		818-99-5
Trichlorofluoropropane (HCFC-251)		134190-51-5
Dichlorodifluoropropane (HCFC-252)		
1,3-Dichloro-1,1-difluoropropane (HCFC-252fb)		819-00-1
Dichlorodifluoropropane (HCFC-252)		134190-52-6
Chlorotrifluoropropane (HCFC-253)		
3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)		460-35-5
Chlorotrifluoropropane (HCFC-253)		134237-44-8
Dichlorofluoropropane (HCFC-261)		
1,2-Dichloro-2-fluoro-propane (HCFC-261ba)		420-97-3
1,1-Dichloro-1-fluoropropane (HCFC-261fc)		7799-56-6
Dichlorofluoropropane (HCFC-261)		134237-45-9
Chlorodifluoropropane (HCFC-262)		
1-Chloro-2,2-difluoropropane (HCFC-262ca)		420-99-5
2-chloro-1,3-difluoropropane (HCFC-262da)		102738-79-4
1-Chloro-1,1-difluoropropane (HCFC-262fc)		421-02-3
Chlorodifluoropropane (HCFC-262)		134190-53-7
Chlorofluoropropane (HCFC-271)		
2-Chloro-2-fluoropropane (HCFC-271ba)		420-44-0
1-Chloro-1-fluoropropane (HCFC-271fb)		430-55-7
Chlorofluoropropane (HCFC-271)		134190-54-8
Other Ozone Depleting Substances (CFC, Halon, HBFC & others)		-

No.26	Ozone Depleting Substances (CFC, Halon, HBFC & others) (Continued)
Referenced laws & regulations	(United Nation) Montreal Protocol (EU) REACH (No 1907/2006): Annex XVII Restriction substances (EC) No. 1005/2009 of the European Parliament and of the Council on substances that deplete the ozone layer. (US) Clean Air Act Amendments of 1990.
Note	The substance name and the other information like CAS No etc. listed in this table are examples from the contents which our company has investigated. These do not always cover all information. Some of the substances may be customarily called by product name of the article on behalf. For details, we hope that your company will confirm it by the information obtained from the upper stream of the supply chain.

No.27	Radioactive Substances	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Uranium	7440-61-1	
Radon	10043-92-2	
Americium-241	14596-10-2	
Thorium	7440-29-1	
Cesium-137	10045-97-3	
Strontium-90	10098-97-2	
Other Radioactive Substances	-	
Referenced laws & regulations	(JP) Act on the Regulation of Nuclear Source Material, Nuclear Fuel Material and Reactors (JP) Act on Prevention of Radiation Hazards due to Radioisotopes, etc (EU) Directive 2013/59/Euratom (US) Nuclear Regulatory Commission Regulations title 10 CFR Part 20	
Note		

No.28	Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA		
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)	
Textiles, photographic coatings applied to films, paper printing plates and toher coated consumer products		- Intentional added - 1 microgram/m <sup>2</sup> (as the sum of PFOA)	
Chemical substance, Mixture and Article using perfluorooctanoic acid (PFOA) and its salts		- Intentional added - 0.000025 mass% of the part (as the sum of PFOA) (25ppb)	
Chemical substance, Mixture and Article using perfluorooctanoic acid (PFOA) related substances		- Intentional added - 0.1 mass% of the part (as the sum of PFOA) (1000ppm)	
Semiconductors and composite semiconductors manufactured using the photolithographic processfor semiconductors or etching process for composite semiconductors		- 0.000025 mass% of the part (as the sum of PFOA) (25ppb) - 0.1 mass% of the part (as the sum of PFOA) (1000ppm)	
Exclusion			
Application	Law & regulations_Code	Description*1	Scope and dates of applicability
All Products	Pops_ PFOA-1	Concentrations of PFOA-related compounds equal to or below 20 mg/kg (0,002 % by weight) where they are present in a substance to be used as a transported isolated intermediate within the meaning of Article 3 point 15 (c) of Regulation (EC) No 1907/2006 and fulfilling the strictly controlled conditions set out in Article 18(4)(a) to (f) of that Regulation for the production of fluorochemicals with a carbon chain equal to or shorter than 6 atoms.	2022/07/04
	Pops_ PFOA-2	PFOA and its salts equal to or below 1 mg/kg (0,0001 % by weight) where they are present in polytetrafluoroethylene (PTFE) micropowders produced by ionising irradiation of up to 400 kilograys or by thermal degradation as well as in mixtures and articles for industrial and professional uses containing PTFE micropowders.	2022/07/04
	Pops_ PFOA-3	Photolithography or etch processes in semiconductor manufacturing	2025/07/04
	Pops_ PFOA-4	Photographic coatings applied to films	2025/07/04
	Pops_ PFOA-5	Textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety	2023/07/04
	Pops_ PFOA-7	Manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: (i) high-performance, corrosion-resistant gas filter membranes, water filter membranes and membranes for medical textiles, (ii) industrial waste heat exchanger equipment, (iii) industrial sealants capable of preventing leakage of volatile organic compounds and PM2.5 particulates.	2023/07/04
	Pops_ PFOA-10	Latex printing inks	-
	Pops_ PFOA-11	Plasma nano-coatings	-
	Pops_ PFOA-98	Concentrations of PFOA or any of its salts equal to or below 0,025 mg/kg (0,000025 % by weight) where they are present in substances, mixtures or articles. Or concentrations of any individual PFOA-related compound or a combination of PFOA-related compounds equal to or below 1 mg/kg (0,0001 % by weight) where they are present in substances, mixtures or articles.	-
	※The items mentioned of "(EU) 2019/1021 (POPs): Annex I" <a href="https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32020R0784&amp;from=EN">https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32020R0784&amp;from=EN</a>		

No.28	Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA (continued)	
Substance/Substance group		CAS No. (Note 3)
Perfluorooctanoic acid (PFOA)		335-67-1
Ammoniumpentadecafluorooctanoate		3825-26-1
Sodium salt of PFOA		335-95-5
Potassium salt of PFOA		2395-00-8
Silver salt of PFOA		335-93-3
Pentadecafluorooctyl fluoride		335-66-0
Methylperfluorooctanoate		376-27-2
Ethylperfluorooctanoate		3108-24-5
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		678-39-7
Referenced laws & regulations	(JP) Chemical Substances Control Law:Class I Specified Chemical Substances (EU) 2019/1021 (POPs): Annex I (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.29	Polycyclic-aromatic hydrocarbons (PAH)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles		- 0.0001 mass% of the plastic or rubber part (1ppm)
Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact		- 0.00005 mass% of the plastic or rubber part (0.5ppm)
Applications other than the above		- 0.1 mass% of the plastic or rubber part (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Benzo[a]pyrene (BaP); benzo[d,e,f]chrysene		50-32-8
Benzo[e]pyrene (BeP)		192-97-2
Benzo[a]anthracene (BaA)		56-55-3
Chrysen (CHR)		218-01-9
Benzo[b]fluoranthene (BbFA); benzo[e]acephenanthrylene		205-99-2
Benzo[j]fluoranthene (BjFA)		205-82-3
Benzo[k]fluoranthene (BkFA)		207-08-9
Dibenzo[a,h]anthracene (DBAhA)		53-70-3
Naphthalene		91-20-3
Anthracene		120-12-7
Phenanthrene		85-01-8
Fluoranthene		206-44-0
Pyrene		129-00-0
Benzo[ghi]perylene		191-24-2
Other Polycyclic-aromatic hydrocarbons (PAH)		SN0112
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		



No.30	Formaldehyde	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
Textiles	- 0.0075 mass% of textile (75 ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Formaldehyde	50-00-0	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances (US) Toxic Substances Control Act (TSCA): Section 6	
Note		

No.31	Tris (2-chloroethyl) phosphate (TCEP) and specific chlorine-based compound	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added - 0.1 mass% of tin in the part (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Tris(2-chloroethyl) phosphate	115-96-8	
Tris(2-chloro-1-methylethyl) phosphate	13674-84-5	
Tris(1,3-dichloro-2-propyl) phosphate	13674-87-8	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.32	Phenol, isopropylated Phosphate (3:1) (PIP (3:1))	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	Hydraulic fluids either for the aviation industry or to meet military specifications for safety and performance, Lubricants, Greases, New and replacement parts for the automotive and aerospace industry, Intermediate in a closed system to produce cyanoacrylate adhesives, Specialized engine filters for locomotive and marine applications, For recycling and for the recycling of PIP (3:1) containing plastic provided no new PIP (3:1) is added during the recycling process, Articles and products made from recycled PIP (3:1) containing plastic provided no new PIP (3:1) is added during the recycling process or to the articles and products made from the recycled plastic	
Substance/Substance group	CAS No. (Note 3)	
Tris(2-chloroethyl) phosphate	68937-41-7	
Referenced laws & regulations	(US) Toxic Substances Control Act (TSCA): Section 6	
Note		

No.33	Long-Chain Perfluoroalkyl Carboxylate and Perfluoroalkyl Sulfonate Chemical Substances (LCPFACs)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
The surface coatings (and materials used for surface coatings) of parts/products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Sodium;2-methylpropane-1-sulfonate	68187-47-3	
1,1,2,2-Tetrahydroperfluoroalkyl(C8-C14) alcohol	68391-08-2	
Thiols, C8-20, gamma-omega-perfluoro, telomers with acrylamide	70969-47-0	
Thiols, C4-20, gamma-omega-perfluoro, telomers with acrylamide and acrylic acid, sodium salts)	1078712-88-5	
1 - Propanaminium, 3- amino – N - (carboxymethyl) - N,Ndimethyl -,N- (2-((gammaomega – perfluoro - C4 – 20 – alkyl ) thio ) acetyl ) derivs ., inner salts	1078715-61-3	
Polyfluoroalkyl betaine (generic)	-	
Modified fluoroalkyl urethane (generic)	-	
Perfluorinated polyamine (generic)		
Referenced laws & regulations	(US) Toxic Substances Control Act (TSCA): Section 6	
Note		

No.34	Pentachlorothiophenol(PCTP)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 1 mass% of tin in the part (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Pentachlorothiophenol	133-49-3	
Referenced laws & regulations	(US) Toxic Substances Control Act (TSCA): Section 6	
Note		

No.35	Perfluorohexane-1-sulphonic acid and its salts (PFHxS) and PFHxS-related substances	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Perfluorohexane-1-sulphonic acid	355-46-4	
Ammonium perfluorohexane-1-sulphonate	68259-08-5	
Potassium perfluorohexane-1-sulphonate	3871-99-6	
Other Perfluorohexane-1-sulphonic acid and its salts (PFHxS) and PFHxS-related substances	-	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.36	Chemical Substances Control Law: Class I Specified Chemical Substances (Substances that do not fall under No. 1 ~ No. 35)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Hexachlorobenzene		118-74-1
Aldrin		309-00-2
Dieldrin		60-57-1
Endrin		72-20-8
DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl) ethane)		50-29-3
Phenylenediamine		
N,N'-Ditolyl-1,4-phenylenediamine		27417-40-9
N,N'-Bis(dimethylphenyl)-1,4-phenylenediamine		28726-30-9
N-(Dimethylphenyl)-N'-tolyl-1,4-phenylenediamine		70290-05-0
2,4,6-tris(1,1-dimethylethyl)- Phenol		732-26-3
Toxaphene		8001-35-2
Mirex		2385-85-5
Dicofol		115-32-2
Hexachlorobutadiene		87-68-3
Pentachlorobenzene		608-93-5
Hexachlorocyclohexane (Only the isomer $\alpha$ , $\beta$ , $\gamma$ )		
alpha-Hexachlorocyclohexane		319-84-6
beta-Hexachlorocyclohexane		319-85-7
gamma-Hexachlorocyclohexane		58-89-9
Chlordecone		143-50-0
Endosulfan		115-29-7,959-98-8 33213-65-9
Pentachlorophenol and its salts and esters		
Pentachlorophenol		87-86-5
Sodium pentachlorophenolate; Pentachlorophenol, sodium salt; Sodium- Pentachlorophenate; Phenol, 2,3,4,5,6-pentachloro-, sodium salt (1:1)		131-52-2
Sodium pentachlorophenolate monohydrate		27735-64-4
Pentachlorophenyl laurate		3772-94-9
Referenced laws & regulations	(JP) Chemical Substances Control Law:Class I Specified Chemical Substances	
Note		

No.37	Industrial Safety and Health Act (Articl 55)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Benzidine; 4,4'-diaminobiphenyl; biphenyl-4,4'-ylenediamine and individual salts		Ex) 92-87-5
4-Aminobiphenyl; xenylamine; Biphenyl-4-ylamine and individual salts		Ex) 92-67-1
4-Nitrobiphenyl and individual salts		Ex) 92-93-3
Bis(chloromethyl)ether; Oxybis(chloromethane)		542-88-1
2-Naphthylamine; beta-naphthylamine and individual salts		Ex) 91-59-8
1,1-Dichloro-2,2-difluoroethane and individual salts		Ex) 71-43-2
Yellow Phosphor match		-
Referenced laws & regulations	(JP) Industrial Safety and Health Act (Articl 55)	
Note		

No.38	Poisonous and Deleterious Substances Control Act: Specified Poisonous Substances	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Schradan		152-16-9
Diethyl p-nitrophenylthiophosphate		56-38-2
Dimethyl ethylmercaptoethyl thiophosphate		8022-00-2
Dimethyl phosphate ester 2-chloro-N,N-diethyl-3-hydroxycrotonamide		13171-21-6
Dimethyl-p-nitrophenylthiophosphate		298-00-0
Tetraethyl pyrophosphate		107-49-3
Fluoroacetic acid		Ex) 144-49-0
Fluoroacetic acid amide		640-19-7
Aluminium phosphide		20859-73-8
Referenced laws & regulations	(JP) Poisonous and Deleterious Substances Control Act: Specified Poisonous Substances	
Note		

No.39	Cyanogen compound (Applicable only to inorganic cyanogen compounds listed as "Poisonous" under the Poisonous and Deleterious Substances Control Act).	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Barium cyanide		542-62-1
Barium (SP-4-1)- tetracyanidoplatinate (2-)		562-81-2
Cyanogen bromide		506-68-3
Calcium cyanide		592-01-8
Copper cyanide		544-92-3
Copper dicyanide		14763-77-0
Copper (II) cyanide		4367-08-2
Hydrogen cyanide		74-90-8
Lead cyanide		592-05-2
Mercuric cyanide		592-04-1
Nickel dicyanide		557-19-7
Potassium cyanide		151-50-8
Potassium dicyanidoaurate(1-)		13967-50-5
Tripotassium (OC-6-11)-hexacyanidocobaltate(3-)		13963-58-1
Potassium dicyanidocuprate(1-)		13682-73-0
Mercuric potassium cyanide		591-89-9
Dipotassium tris(cyano-c) nickelate (2-)		39049-81-5
Silver cyanide		506-64-9
Sodium cyanide		143-33-9
Disodium tri(cyano-C) cuprate(2-)		14264-31-4
Zinc cyanide		557-21-1
Other Cyanogen compound		-
Referenced laws & regulations	(JP) Poisonous and Deleterious Substances Control Act: Specified Poisonous Substances	
Note		

No.40	Arsenic/Arsenic compounds	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Arsenic, elemental		7440-38-2
Arsenic pentoxide; arsenic oxide		1303-28-2
Bis (arsenic acid) monohydrate		7774-41-6
Calcium arsenate		7778-44-1
Manganese hydrogenarsenate		7784-38-5
Copper acetoarsenite		12002-03-8
Arsenic pentachloride		22441-45-8
Sodium arsenite		7784-46-5
Calcium arsenite (2:3)		27152-57-4
Potassium arsenite		10124-50-2
Diarsenic trioxide; arsenic trioxide		1327-53-3
Arsenate (1-), hexafluoro-, lithium		29935-35-1
Pentafluoroarsorane		7784-36-3
Trifluoroarsine		7784-35-2
Calcium bis(hexafluoroarsenate)		17068-86-9
Arsenic acid (H3AsO4), copper salt		10103-61-4
Ferric arsenate		10102-49-5
Disodium hydrogen arsenate (Arsenic acid (H3AsO4), sodium salt (1:2))		7778-43-0
Lead hydrogen arsenate		7784-40-9
Arsenic acid (H3AsO4), zinc salt (2:3)		13464-44-3
Arsenous trichloride		7784-34-1
Arsenic acid, trisodium salt		13464-38-5
Potassium arsenate		7784-41-0
Arsin		7784-42-1
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.41	Polyvinyl chloride (PVC), PVC Copolymers and its blends	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Polyvinyl chloride (PVC)		9002-86-2
Other Polyvinyl chloride		-
Referenced laws & regulations	(US) JS709 (Definition of the low halogen)	
Note		

【Table.4】 List of Controlled substances

Note 1. Reportable Applications: Target application of substances regulated by laws and regulations.

For each substance, target applications such as “all products”, “batteries”, “textile products” are designated. If this target application is not applicable, it is excluded from the management of chemical substances in parts of materials.

Note 2. Reporting Threshold: Threshold of substances in target applications regulated by laws and regulations.

If content rate is indicated as the reporting threshold, content is judged based on the content rate calculated as per denominator indicated in the “Reporting Level (product / article / part / material).”

Note 3. The substance which do not have CAS No. are listed SN No. of chemSHERPA.

Note 4. There may be applicable chemical substances even if they are not listed in this document.

No.1001	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
Printed wiring board laminate	- 0.09 mass% total bromine content in laminate (900ppm)	
Plastic materials except printed wiring board laminates	- 0.1 mass% of bromine in plastic materials (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR (14) [Aliphatic/alicyclic brominated compounds]	-	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR (15) [Aliphatic/alicyclic brominated compounds in combination with antimony compounds]	-	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR (16) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls]	-	
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]	-	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR (22) [Aliphatic/alicyclic chlorinated and brominated compounds]	-	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR (42) [Brominated organic phosphorus compounds]	-	
Poly (2,6-dibromo-phenylene oxide)	69882-11-7	
Tetra-decabromo-diphenoxy-benzene	58965-66-5	
1,2-Bis(2,4,6-tribromo-phenoxy) ethane	37853-59-1	
Tetrabromobisphenol A (TBBPA)	79-94-7	
TBBA, unspecified	30496-13-0	
TBBA-epichlorhydrin oligomer	40039-93-8	
TBBA-TBBA-diglycidyl-ether oligomer	70682-74-5	
TBBA carbonate oligomer	28906-13-0	
TBBA carbonate oligomer, phenoxy end capped	94334-64-2	
TBBA carbonate oligomer, 2,4,6-tribromo-phenol terminated	71342-77-3	
TBBA-bisphenol A-phosgene polymer	32844-27-2	
Brominated epoxy resin end-capped with tribromophenol	139638-58-7 135229-48-0	
1,1'-(isopropylidene) bis [3,5-dibromo-4-(2,3-dibromopropoxy) benzene]	21850-44-2	
TBBA bis-(2-hydroxy-ethyl-ether)	4162-45-2	
TBBA-bis-(allyl-ether)	25327-89-3	
TBBA-dimethyl-ether	37853-61-5	
4,4'-sulphonylbis[2,6-dibromophenol] Tetrabromobisphenol S, (TBBPS)	39635-79-5	
TBBS-bis-(2,3-dibromo-propyl-ether)	42757-55-1	
2,4-Dibromo-phenol	615-58-7	
2,4,6-tribromo-phenol	118-79-6	
Pentabromo-phenol	608-71-9	
2,4,6-Tribromo-phenyl-allyl-ether	3278-89-5	
Tribromo-phenyl-allyl-ether, unspecified	26762-91-4	
Bis(methyl) tetrabromo-phthalate	55481-60-2	
Bis(2-ethylhexyl) tetrabromo-phthalate	26040-51-7	

No.1001	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD) (continued)	
Substance/Substance group	CAS No. (Note 3)	
2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP	20566-35-2	
TBPA, glycol-and propylene-oxide esters	75790-69-1	
N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide)	32588-76-4	
Ethylene-bis(5,6-dibromo-norbornane-2,3-dicarboximide)	52907-07-0	
2,3-Dibromo-2-butene-1,4-diol	3234-02-4	
2,2-bis(bromomethyl)propane-1,3-diol	3296-90-0	
2,3-dibromopropan-1-ol; 2,3-dibromo-1-propanol	96-13-9	
Tribromo-neopentyl-alcohol	36483-57-5	
Poly tribromo-styrene	57137-10-7	
Tribromo-styrene	61368-34-1	
Dibromo-styrene grafted PP	171091-06-8	
Poly-dibromo-styrene	31780-26-4	
Bromo-/Chloro-paraffins	68955-41-9	
Bromo-/Chloro-alpha-olefin	82600-56-4	
Bromoethylene	593-60-2	
Tris-(2,3-dibromo-propyl)-isocyanurate	52434-90-9	
Tris(2,4-Dibromo-phenyl) phosphate	49690-63-3	
Tris(tribromo-neopentyl) phosphate	19186-97-1	
Chlorinated and brominated phosphate ester	125997-20-8	
Pentabromo-toluene	87-83-2	
Pentabromo-benzyl bromide	38521-51-6	
1,3-Butadiene homopolymer,brominated	68441-46-3	
Pentabromo-benzyl-acrylate, monomer	59447-55-1	
Pentabromo-benzyl-acrylate, polymer	59447-57-3	
1,1'-(ethane-1,2-diyl) bis [pentabromobenzene]	84852-53-9	
Tribromo-bisphenyl-maleinimide	59789-51-4	
Octabromo-1,1,3-trimethyl-1-phenylindane (FR-1808)	155613-93-7	
Tetrabromo-cyclo-octane	31454-48-5	
1,2-Dibromo-4-(1,2 dibromo-ethyl)-cyclo-hexane	3322-93-8	
Tetrabromophthalic acid Na salt	25357-79-3	
Tetrabromo phthalic anhydride	632-79-1	
Other Brominated flame retardants	-	
Referenced laws & regulations	(Standard)IEC 62474 DB Declarable substance groups and declarable substances (Standard)IPC-4101	
Note		

No.1002	Chlorinated Flame Retardants (CFR)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
Printed wiring board laminate	- 0.09 mass% total bromine content in laminate (900ppm)	
Plastic materials except printed wiring board laminates	- 0.1 mass% of bromine in plastic materials (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Tetrakis(2-chloroethyl) dichloroisopentylidiphosphate	38051-10-4	
Tris(2-chloro-1-methylethyl) phosphate	13674-84-5	
Tris(2,3-dichloro-1-propyl) phosphate	66108-37-0	
Tris(1,3-dichloro-2-propyl) phosphate	13674-87-8	
Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10] octadeca-7,15-diene (Dechloranepius)	-	
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"™)	13560-89-9	
(1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo [12.2.1.1 <sup>6</sup> , <sup>9</sup> .0 <sup>2</sup> , <sup>13</sup> .0 <sup>5</sup> , <sup>10</sup> ]octadeca-7,15-diene	135821-74-8	
(1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo [12.2.1.1 <sup>6</sup> , <sup>9</sup> .0 <sup>2</sup> , <sup>13</sup> .0 <sup>5</sup> , <sup>10</sup> ]octadeca-7,15-diene	135821-03-3	
Other Chlorinated Flame Retardants	-	
Referenced laws & regulations	(Standard)IEC 62474 DB Declarable substance groups and declarable substances (Standard)IPC-4101	
Note		

No.1003	Beryllium/Beryllium and its compounds	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Beryllium	7440-41-7	
Beryllium aluminum alloy	12770-50-2	
Beryllium chloride	7787-47-5	
Beryllium chloride	7787-49-7	
Beryllium hydroxide	13327-32-7	
Beryllium oxide	1304-56-9	
Beryllium phosphate	13598-15-7	
Beryllium sulfate	13510-49-1	
Beryllium sulfate tetrahydrate	7787-56-6	
Beryl ore	1302-52-9	
Other Beryllium and its compounds	-	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		



No.1004	Fluorinated Greenhouse Gases other than HFC (PFC、SF6、HFC)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Tetrafluoro-methane		75-73-0
Hexafluoroethane (PFC-116)		76-16-4
Octafluoropropane (PFC-218)		76-19-7
Decafluorobutane (PFC-31-10)		355-25-9
Dodecafluoropentane (PFC-41-12)		678-26-2
Tetradecafluorohexane (PFC-51-14)		355-42-0
Octafluorocyclobutane (PFC-c318)		115-25-3
Sulfur hexafluoride		2551-62-4
Trifluoromethane		75-46-7
Difluoromethane		75-10-5
Methyl fluoride		593-53-3
Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-		138495-42-8
Ethane, pentafluoro-		354-33-6
1,1,2,2-Tetrafluoroethane		359-35-3
1,1,1,2-Tetrafluoroethane		811-97-2
1,1-Difluoroethane		75-37-6
1,1,2-Trifluoroethane		430-66-0
Ethane, 1,1,1-trifluoro-		420-46-2
Propane, 1,1,1,2,3,3,3-heptafluoro-		431-89-0
1,1,1,2,2,3-Hexafluoro-propane (HFC-236cb)		677-56-5
1,1,1,2,3,3-Hexafluoropropane		431-63-0
Propane, 1,1,1,3,3,3-hexafluoro-		690-39-1
1,1,2,2,3-Pentafluoropropane (HFC-245ca)		679-86-7
1,1,1,3,3-Pentafluoropropane		460-73-1
1,1,1,3,3-Pentafluorobutane		406-58-6
Other Fluorinated Greenhouse Gases other than HFC		-
Referenced laws & regulations	(Standard)IEC 62474 DB Declarable substance groups and declarable substances	
Note		

No.1005	Perchlorates	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 6 x 10 <sup>-7</sup> mass% of battery or product part (0.006ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Lithium Perchlorate		7791-03-9
Ammonium perchlorate		7790-98-9
Barium perchlorate		13465-95-7
Lead perchlorate		13637-76-8
Magnesium Perchlorate		10034-81-8
Perchloric acid, cobalt (2+) salt		13455-31-7
Perchloric acid, mercury (2+) salt		7616-83-3
Perchloric acid, nickel (2+) salt, hexahydrate		13520-61-1
Nickel diperchlorate; Perchloric acid, nickel (II) salt		13637-71-3
Potassium Perchlorate		7778-74-7
Sodium Perchlorate		7601-89-0
Thallium (3+) perchlorate		15596-83-5
Sodium perchlorate monohydrate		7791-07-3
Other Perchlorates		SN034
Referenced laws & regulations	(Standard)IEC 62474 DB Declarable substance groups and declarable substances	
Note		

No.1006	4,4'-isopropylidenediphenol (Bisphenol A, BPA)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added - 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
4,4'-isopropylidenediphenol (Bisphenol A, BPA)		80-05-7
Referenced laws & regulations	(Standard)IEC 62474 DB Declarable substance groups and declarable substances	
Note		

No.1007	Cobalt dichloride	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- Intentional added - 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Cobalt dichloride		7646-79-9
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1008	Di-n-hexyl phthalate (DnHP)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added - 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Dihexyl phthalate; Di-n-hexyl phthalate (DnHP)	84-75-3	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1009	Di-isodecyl' phthalate (DIDP)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No.(Note 3)	
Di-'isodecyl' phthalate (DIDP)	26761-40-0 68515-49-1	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1010	Di-'isononyl' phthalate (DINP)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Di-'isononyl' phthalate (DINP)	28553-12-0 68515-48-0 26761-40-0	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1011	Di-n-octyl phthalate (DNOP)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Di-n-octyl phthalate (DNOP)	117-84-0	
Referenced laws & regulations	(EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1012	Boric acid	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Boric acid	10043-35-3 11113-50-1	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1013	Disodium tetraborate	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- Intentional added - 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Disodium tetraborate, anhydrous; Boric acid, disodium salt	1330-43-4	
Disodium tetraborate pentahydrate; Borax pentahydrate	12179-04-3	
Disodium tetraborate decahydrate; Borax decahydrate	1303-96-4	
Tetraboron disodium heptaoxide, hydrate	12267-73-1	
Other disodium tetraborate	-	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1014	Aluminosilicate Refractory Ceramic Fibres	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (um) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	SN0007	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1015	Zirconia Aluminosilicate Refractory Ceramic Fibres	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (um). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight		SN0055
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1016	Hexahydromethylphthalic anhydride	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Hexahydromethylphthalic anhydride		25550-51-0
Hexahydro-4-methylphthalic anhydride		19438-60-9
Hexahydro-1-methylphthalic anhydride		48122-14-1
Hexahydro-3-methylphthalic anhydride		57110-29-9
Other hexahydromethylphthalic anhydride		-
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1017	4-Nonylphenol, branched and linear, ethoxylated	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
4-Nonylphenol, ethoxylated; 1 - 2.5 moles ethoxylated		26027-38-3
2-[2-[2-[2-(4-nonylphenoxy) ethoxy] ethoxy] ethoxy] ethanol		7311-27-5
2-[2-(4-nonylphenoxy) ethoxy] ethanol		20427-84-3
p-Nonylphenol hexaethoxylate		34166-38-6
20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		27942-27-4
26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol		14409-72-4
Ethanol, 2-(4-nonylphenoxy)-		104-35-8
Isononylphenol, ethoxylated		37205-87-1
4-Nonylphenol, branched, ethoxylated; 1 - 2.5 moles ethoxylated		127087-87-0
4-t-Nonylphenol-diethoxylate		156609-10-8
Other 4-Nonylphenol, branched and linear, ethoxylated		-
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1018	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; or 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters [with >= 0.3% of dihexyl phthalate (EC No. 201-559-5)]		68515-51-5
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters [with >= 0.3% of dihexyl phthalate (EC No. 201-559-5)]		68648-93-1
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1019	Perfluorononan-1-oic-acid and its sodium and ammonium salts	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Perfluorononan-1-oic acid		375-95-1
Perfluorononan-1-oic acid ammonium salts		4149-60-4
perfluorononan-1-oic acid sodium salts		21049-39-8
Other perfluorononan-1-oic-acid and its sodium and ammonium salts		-
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1020	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Nonadecafluorodecanoic acid		35-76-2
Sodium nonadecafluorodecanoate		3830-45-3
Ammonium nonadecafluorodecanoate		3108-42-7
Other nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts		-
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1021	Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Phenol, 4-nonyl-, phosphite (3:1)		3050-88-2
Phenol, p-isononyl-, phosphite (3:1)		31631-13-7
Phenol, p-sec-nonyl-, phosphite		106599-06-8
Other tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)		-
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1022	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
1,2-Dimethoxyethane; ethylene glycol dimethyl ether; EGDME		110-71-4
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1023	Bis(2-methoxyethyl) ether	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Bis(2-methoxyethyl) ether	111-96-6	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1024	1,3-propanesultone	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
1,3-propanesultone	1120-71-4	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1025	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
1,2-Bis(2-methoxyethoxy) ethane; TEGDME; Triethylene glycol dimethyl ether; Triglyme	112-49-2	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1026	Bis(2-methoxyethyl) phthalate	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Bis(2-Methoxyethyl) phthalate	117-82-8	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		



No.1027	Disodium octaborate	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Disodium octaborate anhydrous	12008-41-2	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1028	Diboron trioxide	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Diboron trioxide	1303-86-2	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1029	Dipentyl phthalate (DPP)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Dipentyl phthalate (DPP)	131-18-0	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1030	4-(1,1,3,3-tetramethylbutyl) phenol	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
4-(1,1,3,3-tetramethylbutyl) phenol	140-66-9	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1031	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		15571-58-1
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1032	Disodium 4-amino 3-[[4-[(2,4-diaminophenyl) azo] [1,1'-biphenyl]-4-yl] azo] – 5 – hydroxy - 6-(phenylazo) naphthalene-2,7-disulphonate; C.I. Direct Black 38	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Disodium 4-amino 3-[[4-[(2,4-diaminophenyl) azo] [1,1'-biphenyl]-4-yl] azo] – 5 – hydroxy - 6-(phenylazo) naphthalene-2,7-disulphonate; C.I. Direct Black 38		1937-37-7
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1033	Dibutylbis(pentane-2,4-dionato-O, O')tin	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
Dibutylbis(pentane-2,4-dionato-O, O')tin		22673-19-4
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1034	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	
Reportable Applications (Note 1)		Threshold Level / Reporting Threshold (Note 2)
All Products		- 0.1 mass% of article (1000ppm)
Exclusion	None	
Substance/Substance group		CAS No. (Note 3)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)		25973-55-1
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1035	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1036	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1037	Dodecamethylcyclohexasiloxane	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Dodecamethylcyclohexasiloxane	540-97-6	
Referenced laws & Regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1038	Decamethylcyclopentasiloxane	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Decamethylcyclopentasiloxane	541-02-6	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1039	Octamethylcyclotetrasiloxane	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Octamethylcyclotetrasiloxane	556-67-2	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1040	Disodium 3,3'-[[1,1'-bifeny]-4,4'dylbis(azo)] bis[4-aminonaphthalene-1-sulphonate); C.I. Direct Red 28	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Disodium 3,3'-[[1,1'-bifeny]-4,4'dylbis(azo)] bis[4-aminonaphthalene-1-sulphonate); C.I. Direct Red 28	573-58-0	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1041	Diisopentyl phthalate	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Diisopentyl phthalate	605-50-5	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1042	Terphenyl, hydrogenated	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Terphenyl, hydrogenated	61788-32-7	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1043	1,2-Diethoxyethane	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
1,2-Diethoxyethane	629-14-1	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1044	2,2-bis (4'-hydroxyphenyl)-4-methylpentane	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
2,2-bis (4'-hydroxyphenyl)-4-methylpentane	6807-17-6	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1045	N,N-Dimethylformamide(DMF)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
N,N-Dimethylformamide; dimethyl formamide (DMF)	68-12-2	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1046	1,2-Benzenedicarboxylic acid; di-C7-11-branched and linear alkylesters	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
1,2-Benzenedicarboxylic acid; di-C7-11-branched and linear alkylesters	68515-42-4	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1047	1,2-benzenedicarboxylic acid, dihexyl ester, branched and linear	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
1,2-benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1048	Diisohexyl phthalate	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Diisohexyl phthalate	71850-09-4	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1049	1,2-Benzenedicarboxylic acid; Di-C6-8-branched alkylesters, C7-rich	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
1,2-Benzenedicarboxylic acid; Di-C6-8-branched alkylesters, C7-rich	71888-89-6	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1050	N-pentyl-isopentylphthalate	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
N-pentyl-isopentylphthalate	776297-69-9	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1051	Dicyclohexyl phthalate	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Dicyclohexyl phthalate	84-61-7	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1052	1,2-benzenedicarboxylic acid, dipentylester, branched and linear	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
1,2-benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1053	Imidazolidine-2-thione; 2-imidazoline-2-thiol	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1054	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)	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
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)	SN0084	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1055	Perfluorobutane sulfonic acid (PFBS) and its salts	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Tetraethylammonium perfluorobutane sulfonate	25628-08-4	
Perfluorobutane sulfonic acid (PFBS)	375-73-5	
Potassium perfluorobutane sulfonate (KPFBS)	29420-49-3	
Salts of Perfluorobutane sulfonic acid (PFBS)	SN0104	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1056	Dioctyltin dilaurate, stannane, dioctyl-, bis (coco acyloxy) derivs., and any other stannane, dioctyl-, bis (coco acyloxy) derivs. Wherein c12 is the predominant carbon number of the fatty acyloxy moiety	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Dioctyltin dilaurate	3648-18-8	
Stannane, dioctyl-, bis (coco acyloxy) derivs.	91648-39-4	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		



No.1057	Bis(2-(2-methoxyethoxy) ethyl) ether	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Bis(2-(2-methoxyethoxy) ethyl) ether	143-24-8	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances	
Note		

No.1058	Trixylyl phosphate	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Trixylyl phosphate	25155-23-1	
Referenced laws & regulations	(EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

No.1059	Ammoniumpentadecafluorooctanoate	
Reportable Applications (Note 1)	Threshold Level / Reporting Threshold (Note 2)	
All Products	- 0.1 mass% of article (1000ppm)	
Exclusion	None	
Substance/Substance group	CAS No. (Note 3)	
Ammoniumpentadecafluorooctanoate(APFO)	3825-26-1	
Referenced laws & regulations	(EU) 2019/1021 (POPs): Annex I (EU) REACH (No 1907/2006): The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances (EU) REACH (No 1907/2006): Annex XVII Restriction substances	
Note		

**【Revision histories】**

Edition	Revised month	Revision histories
1 <sup>st</sup>	Sep.2017	The first version is issued.
2nd	Aug.2021	Completely revised. Chemical list update

Please contact to the quality environment department at each production site for inquiries on this matter