List of chemical substances designated by FICT

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Contents

[Definitions of terms]

Containment:	The chemical substance is contained in the deliverables. Including additions, fills, and mixes resulting from manufacturing processes.
Concentration:	Content rate of chemical substances. The unit is [ppm] (mass ratio). 1 ppm is 1/ 1 million) or [wt%] (mass ratio). 1 wt% is 1/100). (Refer to the notes in each table for the concept of content rate calculation for each designated chemical substance.)
Intentional addition:	The deliberate use of a chemical in the formation of a deliverable, regardless of its content, in order to provide specific properties, appearance or quality. Impurities and deposition, incorporation, and formation during the manufacturing process are not included in intentional additions.
Material:	Each uniform material, or composite material which can be regarded as uniform, constituting a deliverable that is placed and formed in a specific position for a specific purpose of use and cannot be further divided in order to achieve the purpose of use.
Impurities:	Substances contained in natural raw materials that cannot be completely removed during the manufacturing process of industrial materials.
Preparation:	Mixtures or solutions of several substances (example: adhesive, plating solution, paint)
Deliverables:	Components (materials, parts, units, accessories, etc.) of FICT Group products or OEM/ODM products and packaging materials.
Chemical product:	Chemicals and/or mixtures.
Chemical substance:	A chemical element or compound that either exists in nature or is obtained through a manufacturing process.
Mixture:	A mixture of two or more chemicals.
Article:	Where the specific shape, appearance or design given during production largely determines the function of the final specification rather than the function of its chemical composition.
Electrical and electronic equipment:	Equipment that relies on current or electromagnetic fields to operate correctly, and equipment for generating, conducting or measuring such current and electromagnetic fields, designed for use at rated voltages not exceeding 1000 volts AC and 1500 volts DC (from RoHSII Directive 2011/65/EU).
Constituent articles:	The smallest units of articles constituting a product. For example, articles identified by the Article flag (*1) in the composition information. *1 Article flag: Category that identifies the Article corresponding to the SVHC denominator in the EU REACH Regulation in chemSHERPA(*2). *2 chemSHERPA: A scheme that Joint Article Management Promotion-consortium (JAMP) provides to facilitates sharing information on chemical substances in products. https://chemsherpa.net/english

1. Prohibited substances

Table 1: Prohibited substances

No.	Substance name	Inclusion prohibition standards	Notes	Major Cited Laws
001	Asbestos	① Intentional addition prohibition. ② Prohibition of adhesion, mixing, and formation during the manufacturing process		REACH "Restrictions"
002	Azo colourants and azo dyes which form certain aromatic amines	① Intentional addition prohibition. ② The content in the mass of the material is 30 ppm or less.	Refer to Note 2	REACH "Restrictions"
003	Cadmium/Cadmium Compounds	① Intentional addition prohibition. ② The cadmium content in the mass of the material is 100 ppm or less. < In the case of packaging materials > (1) In addition, the total content of each of the 4 substances per material shall be 100 ppm or less. (It means total content of cadmium, hexavalent chromium, lead, and mercury attributable to the substances contained.)	Excluded uses: Table 1e This does not apply to textiles used under the conditions specified in No. 54. Section 054 Carcinogens, mutagens and reproductive toxicants (CMRs).	REACH "Restrictions" RoHS Directive China RoHS
004	Chromium (VI) Compounds	① Intentional addition prohibition. ② Chromium content by mass of material Not more than 1000 ppm <Leather products in contact with the skin and leather parts in contact with the skin> (1) and less than 3 ppm per total dry weight of leather < In the case of packaging materials > (1) In addition, the total content of each of the 4 substances per material shall be 100 ppm or less. (It means total content of cadmium, hexavalent chromium, lead, and mercury attributable to the substances contained.)	This does not apply to textiles used under the conditions specified in No. 54. Section 054 Carcinogens, mutagens and reproductive toxicants (CMRs).	RoHS Directive China RoHS
005	Lead/Lead Compounds	< Electrical and Electronic Equipment > ① Intentional addition prohibition. ② The content of lead in the mass of the material is 1000 ppm or less. However, the coating of the thermosetting or thermoplastic cord/cable shall not exceed 300 ppm. < In the case of packaging materials > above (1) and four substances per material The total content of these substances shall not exceed 100 ppm. (It means total content of cadmium, hexavalent chromium, lead, and mercury attributable to the substances contained.) (Other than the above) - If there is a possibility that a child may put it in their mouth, it must meet all conditions 1 and 2 above, and the lead content in the mass of the component must be less than 500 ppm. - If PVC material is used, it must meet condition 1 above and the lead content in the mass of the PVC material must be less than 1000 ppm.	excluded uses: table 1e This does not apply to textiles used under the conditions specified in No. 54. Section 054 Carcinogens, mutagens and reproductive toxicants (CMRs). It is considered that an article or accessible part of an article may be placed in the mouth by children if it is smaller than 5 cm in one dimension or has a detachable or protruding part of that size. This does not apply to textiles used under the conditions specified in No.54	REACH "Restrictions" RoHS Directive China RoHS California Proposition 65
006	Mercury/Mercury Compounds	① Intentional addition prohibition. ② The mercury content of the material Not more than 1000 ppm < In the case of packaging materials > (1) In addition, the total content of each of the 4 substances per material shall be 100 ppm or less. (It means total content of cadmium, hexavalent chromium, lead, and mercury attributable to the substances contained.)	Excluded uses: Table 1e	REACH "Restrictions" RoHS Directive China RoHS
007	Ozone Depleting Substances (CFCs, HCFCs, HBFCs, Carbon tetrachloride, etc.)	① Intentional addition prohibition. ② Prohibition of adhesion, mixing, and formation during the manufacturing process	Detailed substances: Table 1b	Montreal Protocol EC No. 2037/2000 EC No. 1005/2009

No.	Substance name	Inclusion prohibition standards	Notes	Major Cited Laws
008	Perfluorooctane sulfonic acid (PFOS), its salts and PFOS-related compounds	① Intentional addition prohibition. Concentration in the article or the mixture is equal to or below 25 ppb for the sum of PFOS and its salts or 1000 ppb for the sum of PFOS-related substances.	Perfluorooctane sulfonic acid (PFOS), its salts and PFOS-related compounds means C8F17SO2X (X = OH, Metal salt (O-M+), halide, amide, and other related compounds including polymers)	POPs Regulation Regulation
009	Polybrominated Biphenyls (PBBs)	① Intentional addition prohibition. ② The content in the mass of the material is 1000 ppm or less.		RoHS Directive China RoHS
010	Polybrominated Diphenylethers (PBDEs)	<Electrical and electronic equipment> ① Intentional addition prohibition. ② Prohibition of adhesion, mixing, and formation during the manufacturing process ③ The content in the mass of the material is 1000 ppm or less.		RoHS Directive China RoHS
		<Other than electrical and electronic equipment. (including packaging material)> Concentration in the article must not exceed 500 ppm.		POPs Regulation
011	Polychlorinated Biphenyls (PCBs) and specific substances	① Intentional addition prohibition. ② Prohibition of adhesion, mixing, and formation during the manufacturing process	Example:Table 1c	POPs Regulation
012	Polychlorinated Terphenyls (PCTs)	① Intentional addition prohibition. ② The content in the mass of the material is 50 ppm or less.		REACH "Restrictions"
013	Short-chain chlorinated paraffins (C 10 to C 13)	① Intentional addition prohibition. ② The content in the mass of the material is 1000 ppm or less.		POPs Regulation Laws of Swiss Norwegian law
014	Tri-substituted organostannic compounds (except for TBTO)	The tin content of the parts by mass is 1000 ppm or less.		REACH "Restrictions"
015	Tributyl Tin Oxide (TBTO)	① Intentional addition prohibition. ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL (Refer to Note 5) REACH "Restrictions"
016	Dimethylfumarate (DMF) CAS No 624 -49 -7	① Content of parts by mass is 0.1 ppm or less		REACH "Restrictions"
017	Dibutyltin compounds (DBT)	① The tin content of the parts by mass is 1000 ppm or less.		REACH "Restrictions"
018	Dioctyltin compounds (DOT)	① The tin content of the parts by mass is 1000 ppm or less.	For use in textile products and parts thereof that may come into direct contact with human skin and for use as two-component room temperature curing mold kits	REACH "Restrictions"
019	Fluorinated greenhouse gases (HFC, PFC, SF6)	① Intentional addition prohibition. ② Prohibition of adhesion, mixing, and formation during the manufacturing process	Detailed Substances: Table 1d Unless a closed recovery scheme for the target substance has been established	EU Regulation No.842/2006
020	Formaldehyde	① Intentional addition prohibition. ② The content in the mass of the material is 75 ppm or less.	Applicable only when used in textile products and parts thereof. Section 054 Carcinogens, mutagens and reproductive toxicants(CMRs).	Austrian law Lithuanian law

No.	Substance name	Inclusion prohibition standards	Note	Major Cited Laws
021	Tris (2,3-dibromopropyl) phosphate (TRIS) CAS No 126-72-7	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process	Applies only to textile products and their parts that may come into direct contact with human skin	REACH "Restrictions"
022	Tris (1-aziridinyl) phosphine oxide (TEPA) CAS No 545-55-1	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process	Applies only to textile products and their parts that may come into direct contact with human skin	REACH "Restrictions"
023	Polychlorinated naphthalenes (more than 1 chlorine atom)	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL (Refer to Note 5) POPs Regulation
024	Hexachlorobenzene	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
025	Aldrin	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
026	Dieldrin	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
027	Endrin	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
028	DDT Chlorophenothane	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
029	Chlordanes	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
030	N, N '-ditolyl-p-phenylenediamine, N-tolyl-N '-xylyl-p-phenylenediamine and N, N '-dixylyl-p-phenylenediamine	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
031	2,4,6-tri-tert-butylphenol	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
032	Toxaphene	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
033	Mirex	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
034	Kelthane (Dicofol)	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL Turkish law
035	Hexachlorobutadiene (HCBD) CAS No. 87-68-3	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL U.S. Toxic Substances Regulations Law (TSCA)
036	Phenol, 2- (2H-benzotriazol -2 -yl) - 4,6-bis (1,1-dimethylethyl) -; 2 - benzotriazol -2 -yl -4, 6 -di-tert - butylphenol (UV -320)	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
037	Pentachloobenzene	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
038	α-Hexachlorocyclohexane	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
039	β-Hexachlorocyclohexane	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
040	γ-Hexachlorocyclohexane	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL

No.	Substance name	Inclusion prohibition standards	Notes	Major Cited Laws
041	Chlordecone	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
042	Nickel (CAS No 7440-02-0) / Nickel compounds	① Prohibition of use as stainless steel, nickel alloy and nickel plating	It covers the following: ① Exterior surface of keyboard and mouse as finished product ② Palm rest of notebook PC and outermost surface of housing of cellular phone ③ Exterior surface of touch panel type liquid crystal panel	REACH "Restrictions"
043	Polycyclic aromatic hydrocarbons (PAH)	① Intentional addition prohibition ②The content must be less than or equal to the following: ・For each rubber or plastic component 0.0001 wt%	Detailed substances: Table 1f Applies only to rubber or plastic components used in the following areas of direct and prolonged or short-term repeated contact with the skin or oral cavity of the human body ① Exterior surface of keyboard and mouse ② Palm rest of notebook PC and outermost surface of housing of cellular phone ③ Exterior surface of touch panel type liquid crystal panel Section 054 Carcinogens, mutagens and reproductive toxicants (CMRs).	REACH "Restrictions"
044	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	< Molded product/mixture > ① Intentional addition prohibition ② In molding quality quantities or mixtures ・Not more than 25 ppb. ・In the case of PFOA-related compounds (Note 3), up to one must be less than or equal to 1000 ppb in combination	Refer to Note 4	REACH "Restrictions"
045	hexabromocyclododecane (HBCDD)	< Part > ① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process ③ The content in the mass of the material shall be 0.0075wt% or less. < Chemicals > The content is 0.0075wt% or less.	Detailed Substances: Table 1h	POPs Regulation
046	Endosulfan	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process		CSCL
047	Bis (2-ethylhexyl) phthalate (DEHP)	< Electrical and Electronic Equipment > ① Intentional addition prohibition ② The content in the mass of the material is 1000 ppm or less. < Other than electrical and electronic equipment (including packaging materials) > ① Intentional addition prohibition ② In plasticized material (Note 4): The total content of each of the four substances (No. 047 – 050) less than 1000 ppm		RoHS Directive
048	Butyl benzyl phthalate (BBP)			
049	Dibutyl phthalate (DBP)			
050	Diisobutyl phthalate (DIBP)			

No.	Substance name	Inclusion prohibition standards	Notes	Major Cited Laws
051	Pentachlophenol, Pentachlophenol-salts, and Pentachlophenol-esters	① Intentional addition prohibition Concentration must equal to or below 5ppm even contained in articles or mixtures.		CSCL Turkish law
052	Cobalt dichloride	Silica Gel and Other Chemicals Content is less than 0.01 wt%.		REACH "Restrictions"
053	4,4 '-isopropylidenediphenol; bisphenol A CAS No. 80-05-7	< Thermal Paper > The content of the heat-sensitive paper is less than 0.02 wt%.		REACH "Restrictions"
054	Certain substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR substances)	① Intentional addition prohibition ② The content ratio in the mass of the material is less than the threshold value of Appendix 1i.	This paragraph applies to textiles that contact human skin to the same extent as clothing and footwear under normal or reasonably foreseeable conditions of use	REACH "Restrictions"
055	Bis (pentabromophenyl) ether (decabromodiphenyl) ether; decaBDE) CAS No. 1163-19-5	① Intentional addition prohibition ② Prohibition of adhesion, mixing, and formation during the manufacturing process	This paragraph does not apply if:. ・Content derived from recycled plastics and meeting the conditions of paragraph 010. of this table	Toxic Substances Control Act (TSCA)
056	Phenol, isopropylated, phosphate (3: 1), PIP (3: 1) CAS No. 68937-41-7	① Intentional addition prohibition ②The content in the material mass is less than 0.1wt%.	This paragraph does not apply if: ・Lubricating oil and grease application (until May 21, 2039) ・Content derived from recycled plastics ・Wire harness and circuit board	Toxic Substances Control Act (TSCA)
057	Pentachlorothiophenol (PCTP) CAS No. 133-49-3	The content in the molding quality amount is 1 wt% or less.		Toxic Substances Control Act (TSCA)
058	Perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain (C9-C 14 PFCAs), their salts and C9-C 14 PFCAs -related substances	In molding quality quantities or mixtures ・In the sum of C9-C 14 PFCAs and their salts Less than 25 ppb ・Total 260 ppb of C9-C 14 PFCA-related substances less than	Refer to Note 7	REACH "Restrictions"
059	Perfluorohexane sulfonic acid (PFHxS) including its salts and related substances	① Intentional addition prohibition ② In molding quality volumes or mixtures Concentration in the article or the mixture is equal to or below 25 ppb for the sum of PFHxS and its salts or 1000 ppb for the sum of PFHxS-related substances.		Laws of Swiss
060	Mineral oil aromatic hydrocarbons (MOAH) comprising from 1 to 7 aromatic rings Hydrocarbons saturated with mineral oil (MOSH) containing 16 to 35 carbon atoms	< In Packaging Materials and Printing Ink > ・ Aromatic hydrocarbon mineral oils (MOAH) with 1 ~ 2 aromatic rings and saturated hydrocarbon mineral oils with 16 ~ 35 carbon atoms (MOSH) 0.1% the state of being below ・ The aromatic hydrocarbon mineral oil (MOAH) consisting of 3 ~ 7 aromatic rings shall not exceed 1 ppm.	(Addendum below) ・Labels attached to packaging materials are subject to this rule. ・Attach directly to the target article This does not apply to labels. ・Printed matter is for paper.	French law

No.	Substance name	Inclusion prohibition standards	Notes	Major Cited Laws
061	4,4'-sulphonyldiphenol (Bisphenol S) CAS No. 80-09-1	<Thermal paper> Concentration in the thermal paper must be less than 0.02 % by weight.		Laws of Swiss
062	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"TM) [covering any of its individual anti- and syn-isomers or any combination thereof]	① Intentional addition prohibition ②Concentration must be equal to or below 0.0001% by weight even contained in articles or mixtures.		POPs Regulation
063	2-benzotriazol-2-yl-4, 6-di-tert-pentylphenol (UV-328) CAS No. 25973-55-1	① Intentional addition prohibition ②Concentration must be equal to or below 0.0001% by weight even contained in articles or mixtures.	Excluded uses: Table 1e	POPs Regulation
064	Undecafluorohexanoic acid (PFHxA), its salts, and PFHxA-related substances 'Declorane plus' (including syn and anti-isomers) CAS No. 13560-89-9, 135821–03-3, 135821-74-8	① Intentional addition prohibited ② In terms of material weight -The total of PFHxA and their salts shall be less than 25ppb. -The total of PFHxA-related substances shall be less than 1000ppb.	This paragraph applies only to textiles and leather from April 10, 2027.	REACH rules
	PFHxA, its salts, and PFHxA-related substances represent any of the following: ・Having a straight or branched perfluoropentyl group of molecular formula C5F11- directly attached to another carbon atom as one of the structural elements ・Having a straight or branched perfluorohexyl group of molecular formula C6F13- The following substances are not applicable ・C6F14 ・C6F13-C (=O) OH, C6F13-C (=O) O-X '' or C6F13-CF2-X '(X' = any group including salt)			
065	Chlorpyrifos CAS No. 2921-88-2	① Intentional addition prohibition. ② Prohibition of adhesion, mixing, and formation during the manufacturing process	This paragraph applies from Mar 1, 2026.	Stockholm Convention
066	Chlorinated paraffins(MCCP) with carbon chain lengths in the range C14–17 and chlorination levels at or exceeding 45 per cent chlorine by weight	① Intentional addition prohibition. ② Prohibition of adhesion, mixing, and formation during the manufacturing process	This paragraph applies from Mar 1, 2026.	Stockholm Convention
067	Long-chain perfluorocarboxylic acids(LC-PFCA), their salts and LC-PFCA-related substances	① Intentional addition prohibition. ② Prohibition of adhesion, mixing, and formation during the manufacturing process	This paragraph applies from Mar 1, 2026.	Stockholm Convention
	LC-PFCA, its salts refers to a series of substances having 9~21 carbon atoms and related to $CnF_{2n+1}CO_2H$ ($8 \leq n \leq 20$). In addition, LC-PFCA-related substances refer to any substance having the molecular formula C_nF_{2n+1} ($8 \leq n \leq 20$), which binds directly to any chemical moiety other than fluorine, chlorine or bromine atoms and has the potential to be decomposed or converted into LC-PFCA.			

[Notes to Table 1]

1) Deliverables must satisfy all of the above "containment prohibition standards".

The calculation of the content of substances for which numerical values are set in the "Standards for Prohibition of Content" is as follows.

- In this section, the denominator for calculating the content ratio is the mass of the material or the amount of the constituent molding quality, and which is used for each substance is based on the description of the content prohibition standard in Table 1.
- In the case of composite substances or materials, the materials shall be:.
  - ➢ Compounds, polymer alloys, metal alloys, etc.
  - ➢ For raw materials such as paints, adhesives, inks, pastes, resin polymers, glass powders, ceramic powders, and the like, they are ultimately formed according to their intended use.

    Example:
    - The paint and adhesive shall be dried and cured.
    - The resin polymer is in a molded state.
    - Post-Molding conditions of glass and ceramics
  - ➢ A single layer of paint, printing, plating, etc. In the case of multiple layers, the state of each single layer is obtained.
  - ➢ For packaging materials, cardboard base paper, adhesive, tape, ink, etc.

- The molecule used to calculate the content is the mass of the chemical substance to be calculated. However, in the case of a metal compound, the mass of only the target metal component is used as a molecule.

2) This applies to cases that azo dyes and azo pigments are used for leather products, textile products or their parts that are possible to contact human skins directly for a long time and that form specified amines listed in Table 1a as a result of decomposition of azo group

3) PFOA related substances:

PFOA related compounds are substances that decompose into PFOA, including as one of the structural elements a substance (Contain salts and polymers) having a linear or branched perfluoroheptyl group with a moiety (C7F 15) C.

Not applicable to the following related substances.

-In C8F 17 X, X is F (fluorine), Cl (chlorine), Br (bromine).

-A fluoropolymer covered by CF3 [CF2] n-R, R '= any group, n > 16.

-Perfluorinated 8-carbon or more perfluoroalkyl carboxylic acids (including their salts, esters, halides and anhydrides).

-Perfluorinated 9-carbon or more perfluoroalkanesulfonic acid and perfluorophosphonic acid (including their salts, esters, halides and anhydrides).

- No. 008 "Perfluorooctane sulfonic acid (PFOS), its salts and PFOS-related compounds" in the table 1.

4) Class I specified chemical substances on Japanese Chemical Substances Control Law (CSCL)

5) 'Plasticized material' means a homogeneous material as follows:.

- Vinyl chloride (PVC), polyvinylidene chloride (PVDC), polyvinyl acetate (PVA), polyurethane
- other polymers except silicone rubber and natural latex coatings

(Polymer foam, including rubber materials)

- Surface coatings, anti-skid coatings, finishes, decals, printed designs
- Adhesives, sealants, paints and inks

6) 'Perfluorooctane sulfonic acid and its derivatives (PFOS)' means C8F17SO2X (X = OH, Metal salt (O-M+), halide, amide, and other derivatives including polymers)

7) C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances means the following: Linear and branched perfluorocarboxylic acids of the formula CnF2n+1-C(= O)OH where n = 8, 9, 10,11, or 13 (C9-C14 PFCAs), including their salts, and any combinations thereof;

Any C9-C14 PFCA-related substance having a perfluoro group with the formula CnF2n +1- directly attached to another carbon atom, where n = 8, 9, 10, 11, 12, or 13, including their salts and any combinations thereof;

Any C9-C14 PFCA-related substance having a perfluoro group with the formula CnF2n +1- that it is not directly attached to another carbon atom, where n = 9, 10, 11, 12, 13 or 14 as one of the structural elements, including their salts and any combinations thereof.

The following substances are excluded from this designation

— CnF2n +1-X, where X = F, Cl, or Br,

— where n = 9, 10, 11, 12, 13 or 14, including any combinations thereof,

— CnF2n +1-C(= O)OX' where n> 13 and X'=any group, including salts.

Table 1a: Aromatic Amines formed from azo colorants and azo dyes

Substance name	CAS No.
biphenyl -4 – ylamine	92-67-1
Benzidine	92-87-5
4-chloro-o-toluidine	95-69-2
2-naphthylamine	91-59-8
o-aminoazotoluene	97-56-3
5-nitro-o-toluidine	99-55-8
4-Chloroaniline	106-47-8
4-methoxy-m-phenylenediamine	615-05-4
4,4 '-methylenedianiline	101-77-9
3,3 '-dichlorobenzidine	91-94-1
3,3 '-dimethoxybenzidine	119-90-4
3,3 '-dimethylbenzidine	119-93-7
4,4 '-methylenedi-o-toluidine	838-88-0
6-methoxy-m-toluidine	120-71-8
4,4 '-Methylene-bis (2-chloroaniline)	101-14-4
4,4 '-oxydianiline	101-80-4
4,4 '-thiodianiline	139-65-1
o-toluidine	95-53-4
4-methyl-m-phenylenediamine	95-80-7
2,4,5-trimethylaniline	137-17-7
o-anisidine	90-04-0
4-amino azobenzene	60-09-3

Table 1b: Ozone depleting substances

Substance name		CAS No.	Notes
CFCs Chlorofluorocarbons	CFC -11	75-69-4	
	CFC -12	75-71-8	
	CFC -13	75-72-9	
	CFC -111	354-56-3	
	CFC -112	76-12-0 76-11-9	
	CFC -113	76-13-1 354-58-5 26523-64-8	
	CFC -114	76-14-2 1320-37-2 374-07-2	
	CFC -115	76-15-3	
	CFC -211	422-78-6 422-81-1 135401-87-5	
	CFC -212	3182-26-1 134452-44-1	
	CFC -213	134237-31-3 2354-06-5	
	CFC -214	29255-31-0 2268-46-4	

Substance name		CAS No.	Notes
CFCs Chlorofluorocarbons	CFC -215	1599-41-3 76-17-5 4259-43-2 1652-81-9 812-30-6	
	CFC -216	661-97-2	
	CFC -217	422-86-6	
Halons	Halon -1011 (Bromochloromethane)	74-97-5	
	Halon -1202	75-61-6	Refer to Note 1
	Halon -1211	353-59-3	
	Halon -1301	75-63-8	
	Halon -2402	124-73-2 25497-30-7 27336-23-8	
Tetrachloromethane (Carbon tetrachloride)		56-23-5	
1,1,1-Trichloroethane (Methylchloroform)		71-55-6	
Bromomethane (Methyl bromide)		74-83-9	
Bromoethane (Ethyl bromide)		74-96-4	Note 1
1 – Bromopropane (n-propyl bromide)		106-94-5	Note 1
Trifluoroiodomethane (Trifluoromethyl iodide)		2314-97-8	Note 1
Chloromethane (Methyl chloride)		74-87-3	Note 1
HBFCs Hydrobromofluorocarbons	Dibromofluoromethane (HBFC -21 B2)	1868-53-7	
	Bromodifluoromethane (HBFC -22 B1)	1511-62-2	
	Bromofluoromethane (HBFC -31 B1)	373-52-4	
	Tetrabromofluoroethane (HBFC -121 B4)	306-80-9 353-93-5	
	Tribromodifluoroethane (HBFC -122 B3)	353-97-9 677-34-9 7304-53-2	
	Dibromotrifluoroethane (HBFC -123 B2)	354-04-1	
	Bromotetrafluoroethane (HBFC -124 B1)	124-72-1	
	Tribromofluoroethane (HBFC -131 B3)	420-88-2 598-67-4	
	Dibromodifluoroethane (HBFC -132 B2)	75-82-1 359-19-3	
	Bromotrifluoroethane (HBFC -133 B1)	421-06-7	
	Dibromofluoroethane (HBFC -141 B2)	358-97-4	
	Bromodifluoroethane (HBFC -142 B1)	420-47-3 359-07-9	
	Bromofluoroethane (HBFC -151 B1)	762-49-2	
	Hexabromofluoropropane (HBFC -221 B6)	-	

Substance name		CAS No.	Notes
HBFCs Hydrobromofluorocarbons	Pentabromodifluoropropane (HBFC -222 B5)	-	
	Tetrabromotrifluoropropane (HBFC -223 B4)	-	
	Tribromotetrafluoropropane (HBFC -224 B3)	666-48-8	
	Dibromomentafluoropropane (HBFC -225 B2)	431-78-7	
	Bromohexafluoropropane (HBFC -226 B1)	2252-78-0	
	Pentabromofluoropropane (HBFC -231 B5)	-	
	Tetrabromodifluoropropane (HBFC -232 B4)	148875-98-3	
	Tribromotrifluoropropane (HBFC -233 B3)	421-90-9	
	Dibromotetrafluoropropane (HBFC -234 B2)	460-86-6	
	Bromopentafluoropropane (HBFC -235 B1)	460-88-8 22692-16-6 26391-11-7 422-01-5 53692-43-6 53692-44-7 677-52-1 677-53-2 679-94-7	
	Tetrabromofluoropropane (HBFC -241 B4)	148875-95-0	
	Tribromodifluoropropane (HBFC -242 B3)	70192-80-2 666-25-1	
	Dibromotrifluoropropane (HBFC -243 B2)	431-21-0	
	Bromotetrafluoropropane (HBFC -244 B1)	679-84-5 19041-01-1 29151-25-5 460-67-3 70192-71-1 70192-84-6	
	Tribromofluoropropane (HBFC -251 B3)	75372-14-4	
	Dibromodifluoropropane (HBFC -252 B2)	460-25-3	
	Bromotrifluoropropane (HBFC -253 B1)	421-46-5 460-32-2	
	Dibromofluoropropane (HBFC -261 B2)	51584-26-0 1786-38-5 453-00-9 62135-10-8 62135-11-9	

Substance name		CAS No.	Notes
HBFCs Hydrobromofluorocarbons	Bromodifluoropropane (HBFC -262 B1)	111483-20-6 2195-05-3 420-89-3 420-98-4 430-87-5 461-49-4	
	Bromofluoropropane (HBFC -271 B1)	1871-72-3 352-91-0	
HCFCs Hydrochlorofluorocarbons	HCFC -21	75-43-4	Note 1
	HCFC -22	75-45-6	Note 1
	HCFC -31	593-70-4	Note 1
	HCFC -121	134237-32-4 354-11-0 354-14-3	Note 1
	HCFC -122	41834-16-6 354-21-2 354-15-4 354-12-1	Note 1
	HCFC -123	34077-87-7 90454-18-5 306-83-2 354-23-4 812-04-4	Note 1
	HCFC -124	63938-10-3 2837-89-0 354-25-6	Note 1
	HCFC -131	27154-33-2 134237-34-6 359-28-4 811-95-0 2366-36-1	Note 1
	HCFC -132	25915-78-0 1649-08-7 1842-05-3 471-43-2 431-06-1	Note 1
	HCFC -133	1330-45-6 431-07-2 75-88-7 421-04-5	Note 1
	HCFC -141	1717-00-6 25167-88-8 430-57-9 430-53-5	Note 1
	HCFC -142	25497-29-4 338-65-8 75-68-3 338-64-7 55949-44-5	Note 1
	HCFC -151	110587-14-9 762-50-5 1615-75-4	Note 1

Substance name		CAS No.	Notes
HCFCs Hydrochlorofluorocarbons	HCFC -221	134237-35-7 29470-94-8 422-26-4	Note 1
	HCFC -222	134237-36-8 422-49-1 422-30-0 116867-32-4	Note 1
	HCFC -223	134237-37-9 422-52-6 422-50-4	Note 1
	HCFC -224	134237-38-0 422-54-8 422-53-7 422-51-5	Note 1
	HCFC -225	127564-92-5 128903-21-9 422-48-0 422-44-6 422-56-0 507-55-1 13474-88-9 431-86-7 136013-79-1 111512-56-2 2713-09-9	Note 1
	HCFC -226	134308-72-8 431-87-8 28987-04-4	Note 1
	HCFC -231	134190-48-0 421-94-3	Note 1
	HCFC -232	134237-39-1 460-89-9	Note 1
	HCFC -233	134237-40-4 7125-83-9	Note 1
	HCFC -234	127564-83-4 425-94-5	Note 1
	HCFC -235	134237-41-5 460-92-4 108662-83-5	Note 1
	HCFC -241	134190-49-1 666-27-3	Note 1
	HCFC -242	134237-42-6 460-63-9	Note 1
	HCFC -243	134237-43-7 7125-99-7 338-75-0 460-69-5 116890-51-8	Note 1
	HCFC -244	134190-50-4 679-85-6 421-75-0	Note 1
	HCFC -251	134190-51-5 818-99-5 421-41-0	Note 1

Substance name		CAS No.	Notes
HCFCs Hydrochlorofluorocarbons	HCFC -252	134190-52-6 819-00-1	Note 1
	HCFC -253	134237-44-8 460-35-5 26588-23-8	Note 1
	HCFC -261	134237-45-9 7799-56-6 420-97-3 127404-11-9	Note 1
	HCFC -262	134190-53-7 420-99-5 102738-79-4 421-02-3	Note 1
	HCFC -271	134190-54-8 420-44-0 430-55-7	Note 1

[Notes to Table 1b]

1) Excluding from Prohibited Substances in Manufacturing designated in Table 4

Table 1c: Polychlorinated biphenyls (PCBs) and specified substitutes

Substance name	CAS No.
Polychlorinated Biphenyls (all isomers and congeners)	1336-36-3, etc.
Monomethyl-tetrachloro-diphenyl methane (Ugilec 141)	76253-60-6
Monomethyl-dichloro-diphenyl methane (Ugilec 121, Ugilec 21)	81161-70-8
Monomethyl-dibromo-diphenyl methane (DBBT)	99688-47-8

Table 1d: Fluorinated greenhouse gases (HFC, PFC, SF6)

Substance name		CAS No.
PFCs (Perfluorocarbons)	Carbon tetrafluoride (Perfluoromethane)	75-73-0
	Perfluoroethane Hexafluoroethane	76-16-4
	Perfluoropropane (Octafluoropropane)	76-19-7
	Perfluorobutane (Decafluorobutane)	355-25-9
	Perfluoropentane (Dodecafluoropentane)	678-26-2
	Perfluorohexane (Tetradecafluorohexane)	355-42-0
	Perfluorocyclobutane	115-25-3
Sulfur Hexafluoride (SF6)		2551-62-4
HFCs (Hydrofluorocarbons)	Trifluoromethane (HFC-23)	75-46-7
	Difluoromethane (HFC-32)	75-10-5
	Methyl fluoride (HFC-41)	593-53-3

Substance name		CAS No.
HFCs Hydrofluorocarbons	2H, 3H-Decafluoropentane (HFC-43-10 mee)	138495-42-8
	Pentafluoroethane (HFC-125)	354-33-6
	1,1,2,2-Tetrafluoroethane (HFC-134)	359-35-3
	1,1,1,2-Tetrafluoroethane (HFC-134a)	811-97-2
	Difluoroethane	25497-28-3
	1,1-Difluoroethane (HFC-152a)	75-37-6
	1,2-Difluoroethane	624-72-6
	Trifluoroethane	27987-06-0
	1,1,2-Trifluoroethane (HFC-143)	430-66-0
	1,1,1-Trifluoroethane (HFC-143a)	420-46-2
	2H-Heptafluoropropane (HFC-227ea)	431-89-0
	1,1,1,2,2,3,3-Heptafluoropropane	2252-84-8
	1,1,1,2,2,3-Hexafluoro-propane (HFC-236cb)	677-56-5
	1,1,1,2,3,3-Hexafluoropropane (HFC-236ea)	431-63-0
	Hexafluoropropane	27070-61-7
	1,1,1,3,3,3-Hexafluoropropane (HFC-236fa)	690-39-1
	1,1,2,2,3-Pentafluoropropane (HFC-245ca)	679-86-7
	1,1,1,3,3-Pentafluoropropane (HFC-245fa)	460-73-1
	1,1,1,2,2-Pentafluoropropane	1814-88-6
	1,1,1,3,3-Pentafluorobutane (HFC-365mfc)	406-58-6

Table 1e: Excluded uses prohibited from inclusion

No.	Substance name	Excluded use (Note 1)	
003	Cadmium/Cadmium Compounds	8 (b) -I	Cadmium and its compounds in electrical contacts used below ・circuit breaker ・heat sensing control ・Thermal Motor Protector (Sealed Thermal Motor Protector) Excluding -) ・AC switches rated as follows: - 6 A or more at 250 V AC or more, or - 12 A or more at 125 V or more AC ・DC switch rated at 20 A or greater at 18 V DC or greater ・Switches for use at voltage source frequencies of 200 Hz or higher (See Note 2 for prohibited dates)
		13 (b) - (II)	Cadmium in striking optical filter glass types (see note 2 for prohibition dates) * exclusion number 39 (not used in this specification), except for those applications falling under exclusion 39 * from the Appendix: Cadmium in color change II-VI compounds semiconductor LEDs (cadmium < 10 µg/mm2 emitting area) for illumination or display system applications
		13 (b) - (III)	Cadmium in glaze for reflective reference materials (See Note 2 for prohibited dates)
005	Lead/Lead Compounds	5 (b)	Lead in glass of fluorescent tubes: 0.2 wt% or less
		6 (a) -I	Lead in machining steels up to 0.35 wt% and lead in batch hot dip galvanized steel up to 0.2 wt% as alloy components (see note 2 for prohibition dates)
		6 (b) -I	Lead up to 0.4 wt% of lead contained in aluminum materials as an alloy component when recycled from waste aluminum containing lead (see note 2 for the date of prohibition)
		6 (b) -II	Lead up to 0.4 wt% contained in aluminum materials for machining as an alloy component (See Note 2 for prohibited dates)
		6 (c)	Lead in copper alloys up to 4 wt% (see note 2 for the date of prohibition)
		7 (a)	Lead in high melting point solders (i.e. lead-based alloys containing 85% or more lead by weight) (see note 2 for prohibition dates)
		7 (c) -I	Lead, e.g. piezo devices, glass or ceramic matrix compounds (see note 2 for prohibition dates) contained in glass or electrical and electronic components in ceramics other than dielectric ceramics in capacitors
		7 (c) -II	Lead in dielectric ceramics in capacitors for voltages above 125 V AC or 250 V DC
		13 (a)	Lead in white glass used in optical equipment (see note 2 for prohibition dates).
		13 (b) - (I)	Lead in ion-coloured optical filter glass types (see note 2 for prohibition dates)
		13 (b) - (III)	Lead in glazes for reflective standards (see note 2 for prohibition dates)
		15 (a)	Lead in the solder necessary for reliable electrical connections between the internal semiconductor die and the carrier of an integrated circuit package (flip-chip) when at least one of the following criteria applies: ・90 nm or greater semiconductor technology node ・In any semiconductor technology node, a single die size 300 mm2 or more ・300 mm2 or larger die or 300 mm2 or larger silicon interposer Stacked die package having —
062	2-benzotriazol-2-yl-4, 6-di-tert-pentylphenol (UV-328)	- Triacetyl cellulose film in polarisers. The ban of this exemption shall be applied from Aug. 27, 2029. - Spare parts for liquid crystal displays in instruments for analysis, measurements, control, monitoring, testing, production and inspection, manufactured before Feb. 26, 2025. Expiration date : The useful life of the liquid crystal displays or 2044 years, whichever comes earlier.	

[Notes to Table 1e]

1) The numbers in the table are the numbers of RoHS exemptions listed in the RoHS Directive Official Gazette.
2) As the Commission is considering the renewal of the exemption, it shall remain in force until at least the official gazette of the renewal is published.
   The date of the ban will be clarified after the renewal of the exemption (expiry date) by the European Commission becomes clear.

Table 1f: Polycyclic Aromatic Hydrocarbons (PAH)

Substance name	CAS No.
Benzo[a]pyrene (BaP)	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)	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

Table 1g: Missing number

Table 1h: Hexabromocyclododecane (HBCDD)

Substance name	CAS No.
Hexabrocyclododecane	25637-99-4
rel-(1R, 2S, 5R, 6S, 9R, 10S)-1,2,5,6,9,10- Hexabromocyclododecane	4736-49-6
rel-(1R, 2S, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane	65701-47-5
(1R, 2R, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	138257-17-7
(1R, 2R, 5R, 6S, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	138257-18-8
(1R, 2S, 5S, 6R, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	138257-19-9
(1R, 2R, 5S, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	678970-15-5
(1R, 2S, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	678970-16-6
(1R, 2R, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane	678970-17-7
1,2,4,5,8,9-Hexabromocyclododecane	673456-49-0
1,2,4,6,9,10-Hexabromocyclododecane	74398-41-7
(1R, 2R, 5R, 6R, 9R, 10R)-1,2,5,6,9,10-Hexabromocyclododecane	878049-04-8
(1R, 2R, 5S, 6R, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	878049-05-9
(1R, 2R, 5S, 6R, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	878049-06-0
(1R, 2R, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	878049-07-1
(1R, 2R, 5R, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	878049-08-2
1,2,3,4,5,6-Hexabromocyclododecane	1027045-74-4
1,3,5,7,9,11-Hexabromocyclododecane	1093632-34-8
1,1,2,2,3,3-Hexabromocyclododecane	1235106-66 -7

(1S, 2S, 5S, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	1380399-84-7
(1R, 2R, 5S, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	1380399-85-8
(1R, 2R, 5S, 6R, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	1380399-86-9
(1R, 2S, 5S, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	1380399-87-0
rel-(1R, 2R, 5R, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	1392102-29-2
rel-(1R, 2R, 5R, 6R, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	1392102-30-5
rel-(1R, 2R, 5R, 6R, 9R, 10R)-1,2,5,6,9,10-Hexabromocyclododecane	1392102-31-6
(1R, 2S, 5S, 6S, 9S, 10R)-1,2,5,6,9,10- Hexabromocyclododecane	169102-57-2
1,2,5,6,9,10-hexabromocyclododecane	3194-55-6
alpha-hexabromocyclododecane	134237-50-6
beta-hexabromocyclododecane	134237-51-7
gamma-hexabromocyclododecane	134237-52-8

Table 1i: Standards for banning the use of carcinogens, mutagens and reproductive toxicants (CMRs)

No.	Substance name	CAS No.	Threshold Level (* 1)
1	Cadmium and its compounds	-	1 ppm as cadmium metal
2	Chromium VI compounds	-	1 ppm as hexavalent chromium
3	Arsenic compounds	-	1 ppm as arsenic metal
4	Lead and its compounds	-	1 ppm as lead metal
5	Benzene	71-43-2	5 ppm
6	Benz [a] anthracene	56-55-3	1 ppm
7	Benz [b] fluoranthene	205-99-2	
8	Benzo [a] pyrene; Benzo [def] chrysene	50-32-8	
9	Benzo [e] pyrene	192-97-2	
10	Benzo [j] fluoranthene	205-82-3	
11	Benzo [k] fluoranthene	207-08-9	
12	Chrysene	218-01-9	
13	Dibenz [a, h] anthracene	53-70-3	
14	p- (trichloromethyl) chlorobenzene α, α, α, 4-tetrachlotropoluene; p-chlorobenzotrichloride	5216-25-1	
15	α, α, α-trichloroethylene; benzotrichloride	98-07-7	
16	α-chlorotoluene; benzyl chloride	100-44-7	
17	Formaldehyde	50-00-0	75 ppm
18	1,2-benzenedicarboxylic acid; di-C6 -8 branched alkylesters, C7-rich	71888-89-6	1000 ppm Individual, in combination with other phthalates in this table (No. 18 ~ 22), or in combination with other phthalates (* 2)
19	Bis (2-methoxyethyl) phthalate	117-82-8	
20	Diisopentylphthalate	605-50-5	
21	Di-n-pentyl phthalate (DPP)	131-18-0	
22	Di-n-hexyl phthalate (DnHP)	84-75-3	

No.	Substance name	CAS No.	Threshold Level (* 1)
23	N-methyl -2 pyrrolidone; 1-methyl -2 pyrrolidone (NMP)	872-50-4	3000 ppm
24	N, N-dimethylacetamide (DMAC)	127-19-5	
25	N, N-dimethylformamide; dimethyl formamide (DMF)	68-12-2	
26	1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1	2475-45-8	50 ppm
27	Benzenamine, 4,4 ' - (4-iminocyclohexa -2, 5-dienylidenemethylene) dianilinehydrochloride; C.I. Basic Red9	569-61-9	
28	[4- [4,4 ' -bis (dimethylamino) benzhydrylidene] Cyclohexa -2, 5-dien -1 -ylidene] dimethylammonium chloride; C.I. Basic Violet 3 with ≥ 0, 1% of Michler's ketone (EC no. 202-027-5)	548-62-9	
29	4-chloro-o-toluidinium chloride	3165-93-3	30 ppm
30	2-Naphthylammonium acetate	553-00-4	
31	4-methoxy-m-phenyl diammonium sulfate; 2,4-diaminoanisole sulphate	39156-41-7	
32	2,4,5-trimethylaniline hydrochloride	21436-97-5	
33	Quinoline	91-22-5	50 ppm

*(a) Calculation method of metal conversion (Reference)
Example) Cadmium sulfite in terms of cadmium metal
(Content of Cadmium Sulfite) × (Atomic Weight of Cadmium) ÷ (Molecular Weight of Cadmium Sulfite)
= (Content of Cadmium Sulfite) × 112.4 ÷ 192.5

*2 For substances in Part 3 of Annex VI to EC Regulation No 1272/2008 (EU CLP Regulation) for which the hazard class is carcinogenic, germ cell mutagenicity or reproductive toxicity category 1A or 1B. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008

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[External Link]

2. Reported substances contained

Table 2: Reported Substances

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
001	Anthracene	120-12-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
002	(4,4 '-methylenedianiline and 4,4' -MDA) 4,4 '-Diaminodiphenylmethane (4,4' -MDA)	101-77-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
003	Missing number			
004	Cobalt dichloride	7646-79-9	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of cobalt dichloride shown in No. 052 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
005	Arsenic pentoxide	1303-28-2	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
006	Diarsenic trioxide	1327-53-3	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
007	5-tert-butyl -2, 4, 6-trinitro-m-xylene (Musk xylene)	81-15-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
008	Missing number			
009	Lead hydrogen arsenate	7784-40-9	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
010	Missing number			
011	Triethyl arsenate	15606-95-8	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
012	Anthracene oil	90640-80-5	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
013	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
014	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
015	Anthracene oil, anthracene-low	90640-82-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
016	Anthracene oil, anthracene paste	90640-81-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
017	Pitch, coal tar, high-temp.	65996-93-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
018	Aluminosilicate, Refractory Ceramic Fibres	-	Concentration in the constituent article exceeds 1,000 ppm. However, aluminosilicate refractory ceramic fibres shall comply with the requirements set out in Table 3.1 of Part 3 of Annex VI to EC Regulation No. 1272/2008 with the requirements of Index No. 650 - 017 - 00 Subsumed as -8 and meeting the following 3 conditions:. (a) Aluminum oxide and silicon oxide exist as the main components in the variable concentration range in the fiber. (b) A fiber of which the value obtained by subtracting the value of twice the standard error from the length-weighted geometric mean diameter of the fiber is 6 µm or less (c) The total concentration of alkali metal oxides and alkaline earth metal oxides (Na2O + K2O + CaO + MgO + BaO) is less than 18 wt%.	REACH Regulation 'Candidate substances for authorisation '
019	Zirconia aluminosilicate, Refractory Ceramic Fibres	-	Concentration in the constituent article exceeds 1,000 ppm. However, zirconia aluminosilicate refractory ceramic fibres shall comply with the requirements of Table 3.1 of Part 3 of Annex VI to EC Regulation No. 1272/2008 with the requirements of Index No. 650 - 017 - 00 Subsumed as -8 and meeting the following 3 conditions:. (a) Aluminum oxide, silicon oxide, and zirconium oxide are present as major components in the fiber in a variable concentration range. (b) A fiber of which the value obtained by subtracting the value of twice the standard error from the length-weighted geometric mean diameter of the fiber is 6 µm or less (c) The total concentration of alkali metal oxides and alkaline earth metal oxides (Na2O + K2O + CaO + MgO + BaO) is less than 18 wt%.	REACH Regulation 'Candidate substances for authorisation '
020	2,4-dinitrotoluene	121-14-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
021	Missing number			
022	Tris (2-chloroethyl) phosphate (TCEP)	115-96-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
023	Acrylamide	79-06-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
024	Trichlorethylene	79-01-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
025	Boric acid	10043-35-3 11113-50-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
026	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
027	Tetraboron disodium heptaoxide, hydrate	12267-73-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
028	Cobalt (II) sulfate	10124-43-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
029	Cobalt nitrate	10141-05-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
030	Cobalt (II) carbonate	513-79-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
031	Cobalt acetate	71-48-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
032	2-methoxyethanol	109-86-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
033	2-ethoxyethanol	110-80-5	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
034	2-ethoxyethyl acetate	111-15-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
035	1,2 - Benzenedicarboxylic acid, di-C7 -11 - branched and linear alkyl esters (DHNUP)	68515-42-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
036	Hydrazine	7803-57-8 302-01-2 10217-52-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
037	1-methyl-2-pyrrolidone	872-50-4	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
038	1,2,3-trichloropropane	96-18-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
039	1,2-Benzenedicarboxylic acid; di-C6 -8 branched alkyl esters, C7-rich (DIHP)	71888-89-6	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
040	Calcium arsenate	7778-44-1	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
041	Bis (2-methoxyethyl) ether	111-96-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
042	Lead dipicrate	6477-64-1	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
043	N, N-Dimethylacetamide (DMAC)	127-19-5	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
044	Arsenic acid	7778-39-4	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
045	2-Methoxyaniline (o-Anisidine)	90-04-0	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
046	Trilead diarsenate	3687-31-8	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
047	1,2-dichloroethane	107-06-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
048	4- (1,1,3,3-tetramethylbutyl) phenol (4-tert-Octylphenol)	140-66-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
049	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
050	Bis (2-methoxyethyl) phthalate	117-82-8	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
051	Lead diazide, Lead azide	13424-46-9 73513-16-3 69985-35-9	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
052	Lead styphnate	15245-44-0 66778-13-0	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
053	2,2 '-dichloro -4, 4' -methylenedianiline (MOCA)	101-14-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
054	Phenolphthalein	77-09-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
055	1,2-bis (2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
056	1,2-Dimethoxyethane (Ethylene glycol dimethyl ether, EGDME)	110-71-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
057	Diboron trioxide	1303-86-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
058	Formamide	75-12-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
059	Lead (II) bis (methanesulfonate)	17570-76-2	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
060	1,3,5-Tris (oxiran -2 ylmethyl) -1,3,5-triazinane -2, 4,6-trione (TGIC)	2451-62-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
061	1,3,5-tris [(2S and 2R) -2, 3-epoxypropyl] -1, 3, 5-triazine -2, 4, 6 - (1H, 3H, 5H) -trione (β-TGIC)	59653-74-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
062	4,4 '-bis (dimethylamino) benzophenone (Michler's ketone)	90-94-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
063	N, N, N', N' -tetramethyl -4, 4'-Methylenedianiline (Michler's base)	101-61-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
064	[4- [[4-anilino -1 naphthyl] [4- (dimethyl amino) phenyl] methylene] cyclohexa -2, 5 -dien -1 ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	Concentration in the constituent article exceeds 1,000 ppm. However, only when the product contains ≥ 0.1% of the Miller ketone (CAS No. 90 -94 -8) or the mirror base (CAS No. 101 -61 -1) (1000 ppm)	REACH Regulation 'Candidate substances for authorisation '
065	[4- [4,4 '-bis (dimethylamino) benzhydrylidene] cyclohexa -2, 5-dien -1 -ylidene] dimethylammonium chloride (C.I. Basic Violet3)	548-62-9	Concentration in the constituent article exceeds 1,000 ppm. However, only when the product contains ≥ 0.1% of the Miller ketone (CAS No. 90 -94 -8) or the mirror base (CAS No. 101 -61 -1) (1000 ppm) This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
066	4,4'-bis (dimethylamino) -4''- (methylamino) trityl alcohol	561-41-1	Concentration in the constituent article exceeds 1,000 ppm. However, only when the product contains ≥ 0.1% of the Miller ketone (CAS No. 90 -94 -8) or the mirror base (CAS No. 101 -61 -1) (1000 ppm)	REACH Regulation 'Candidate substances for authorisation '
067	α, α-Bis [4- (dimethylamino) phenyl] -4 (phenylamino) naphthalene -1- methanol (C.I. Solvent Blue 4)	6786-83-0	Concentration in the constituent article exceeds 1,000 ppm. However, only when the product contains ≥ 0.1% of the Miller ketone (CAS No. 90 -94 -8) or the mirror base (CAS No. 101 -61 -1) (1000 ppm)	REACH Regulation 'Candidate substances for authorisation '
068	Pentacosafluorotridecanoic acid	72629-94-8	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances" shown in No. 058 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
069	Tricosafluorododecanoic acid	307-55-1	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances" shown in No. 058 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
070	Henicosafluoroundecanoic acid	2058-94-8	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances" shown in No. 058 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
071	Heptacosafluorotetradecanoic acid	376-06-7	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances" shown in No. 058 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
072	Diazene -1, 2-dicarboxamide (C, C '-azodi (formamide))	123-77-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
073	Cyclohexane -1, 2-dicarboxylic anhydride [1] cis-cyclohexane -1, 2-dicarboxylic anhydride [2] trans-cyclohexane -1, 2-dicarboxylic anhydride [3] [Note] Individual cis [2], trans [3] isotopes and all combinations of cis and trans [1] are included.	85-42-7 13149-00-3 14166-21-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
074	Hexahydromethylphthalic anhydride [1] Hexahydro -4 methylphthalic anhydride [2] Hexahydro -1 methylphthalic anhydride [3] Hexahydro -3 methylphthalic anhydride [4] [Note] Individual isomers [2], [3], [4] (contains their cis and trans stereoisomers) and all isomers [1] are included.	25550-51-0 19438-60-9 48122-14-1 57110-29-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
075	4-Nonylphenol, branched and linear [Note] A substance in which a 9-carbon straight or branched alkyl group is covalently attached to phenol at position 4. Each isomer clearly defined as UVCB and its mixture are included.	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
076	4- (1,1,3,3-tetramethylbutyl) phenol, ethoxylated [Note] Well-Defined substances, UVCB substances, include polymers and homologs.	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
077	Methoxy acetic acid	625-45-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
078	N, N-dimethylformamide	68-12-2	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
079	Dibutyltin dichloride (DBTC)	683-18-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
080	Lead monoxide (lead oxide)	1317-36-8	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
081	Orange lead (Lead tetroxide)	1314-41-6	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
082	Lead bis (tetrafluoroborate)	13814-96-5	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
083	Trilead bis (carbonate) dihydroxide	1319-46-6	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
084	Lead titanium trioxide	12060-00-3	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
085	Lead Titanium Zirconium Oxide	12626-81-2	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
086	Silicic acid, lead salt	11120-22-2	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
087	Silicic acid (H2Si2O5), barium salt (1: 1), lead-doped [Note] Repr. 1A (CLP) or Content of lead exceeding the appropriate concentration limit in category 1 (DSD). The substance concerned shall comply with the EC Regulation. Index No. 082-001 of No. 1272/2008 - 00 -6 Belong to the classification "Lead compounds".	68784-75-8	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
088	Methyloxirane (Propylene oxide)	75-56-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
089	1,2-Benzenedicarboxylicacid, dipentylester, branched and linear	84777-06-0	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
090	Diisopentylphthalate (DIPP)	605-50-5	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
091	N-pentyl-isopentylphthalate	776297-69-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
092	1,2-diethoxyethane	629-14-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
093	Acid, lead salt, basic	51404-69-4	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
094	Lead oxide sulfate	12036-76-9	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
095	[Phthalato (2-)] dioxotrilead	69011-06-9	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
096	Dioxobis (stearato) trilead	12578-12-0	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
097	Fatty Acids, C 16 -18, Lead Salts	91031-62-8	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
098	Lead cyanamide	20837-86-9	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
099	Lead dinitrate	10099-74-8	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
100	Pentalead tetraoxide sulphate	12065-90-6	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "lead compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
101	Pyrochlore, timed lead yellow	8012-00-8	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
102	Sulfurous acid, lead salt, divasic	62229-08-7	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
103	Tetraethyllead	78-00-2	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
104	Tetralead trioxide sulfate	12202-17-4	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
105	Trilead dioxide phosphate	12141-20-7	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
106	Furan	110-00-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
107	Diethyl sulphate	64-67-5	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
108	Dimethyl sulphate	77-78-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
109	3-ethyl -2 methyl -2 - (3-methylbutyl) -1, 3 - oxazolidine	143860-04-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
110	Dinoseb (6-sec-butyl -2, 4-dinitrophenol)	88-85-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
111	4,4 '-methylenedi-o-toluidine	838-88-0	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
112	4,4 '-oxydianiline and its salts	101-80-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
113	4-aminoazobenzene	60-09-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
114	4-methyl-m-phenylenediamine (toluene -2, 4-diamine)	95-80-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
115	6-methoxy-m-toluidine (p-cresidine)	120-71-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
116	Biphenyl -4 - ylamine	92-67-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
117	o-aminoazotoluene (4-o-tolylazo-o-toluidine)	97-56-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
118	o-toluidine	95-53-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
119	N-Methylacetamide	79-16-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
120	Cadmium	7440-43-9	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “cadmium compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "cadmium compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
121	Cadmium Oxide	1306-19-0 12139-21-8	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “cadmium compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "cadmium compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
122	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds" shown in No. 044 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
123	2,2,3,3,4,5,5,6,6,7,8,8-Pentadecafluorooctanoic acid	335-67-1	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds" shown in No. 044 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
124	Di-n-pentyl phthalate (DPP)	131-18-0	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
125	4-Nonylphenol, branched and linear, ethoxylated [Note] Including substances in which a 9-carbon straight and/or branched alkyl chain is covalently bonded at position 4 of phenol, UVCB substances and well-defined substances (substances of known composition, etc.), polymers and individual homologues isomers or combinations thereof which have been ethoxylated	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
126	Cadmium sulphide	1306-23-6	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "cadmium compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "cadmium compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
127	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	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
128	Dihexyl phthalate	84-75-3	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
129	Imidazoline -2 thione (2-imidazoline -2 thiol)	96-45-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
130	Trixylyl phosphate	25155-23-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
131	Disodium 3,3 '- [[1,1' -biphenyl] -4, 4 '-diylbis (azo)] bis (4-aminonaphthalene -1 -sulphonate) (C.I. Direct Red 28)	573-58-0	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
132	Lead di (acetate)	301-04-2	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
133	Cadmium chloride	10108-64-2	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “cadmium compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "cadmium compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
134	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
135	Sodium peroxometabolate	7632-04-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
136	Sodium perborate; perboric acid, sodium salt	15120-21-5 11138-47-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
137	Cadmium fluoride (CdF2)	7790-79-6	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “cadmium compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "cadmium compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
138	Cadmium sulphate	10124-36-4 31119-53-6 7790-84-3 15244-35-6	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “cadmium compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "cadmium compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
139	Missing number			
140	Dioctyltin bis (2-ethylhexyl thioglycolate); 2-Ethylhexyl 10 ethyl -4, 4-dioctyl -7 oxo -8 oxa -3, 5-dithia -4 stannatetradecanoate (DOTE)	15571-58-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
141	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)	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
142	5-sec-butyl -2 - (2,4-dimethylcyclohex -3 en -1 -yl) -5 methyl -1, 3-dioxane [1], 5-sec-butyl -2 - (4,6-dimethylcyclohex -3 -en -1 -yl) -5 methyl -1, 3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination of]	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
143	1,2-benzenedicarboxylic acid, di-C6 -10 alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
144	Perfluorononan -1 oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances" shown in No. 058 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
145	Nitrobenzene	98-95-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
146	2- (2H-benzotriazol -2 - yl) -4 - (tert-butyl) -6 - (sec-butyl) phenol (UV -350)	36437-37-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
147	2,4-di-tert-butyl -6 - (5-chlorobenzotriazol -2 -yl) phenol (UV -327)	3864-99-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
148	1,3-propanesultone	1120-71-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
149	Benzo [a] pyrene	50-32-8	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "polycyclic aromatic hydrocarbons (PAH)" shown in No. 043 of Table 1. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
150	p- (1,1-dimethylpropyl) phenol	80-46-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
151	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Nonadecafluorodecanoic acid Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt	335-76-2 3108-42-7 3830-45-3	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances" shown in No. 058 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
152	4-Heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 valently bound preferentially in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination therapy of	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
153	4,4 '-Isopropylidenediphenol; bisphenol A	80-05-7	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "4,4 '-isopropylidenediphenol; bisphenol A" shown in No. 053 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
154	Reaction products of 1,3,4-thiadiazolidine -2, 5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥ 0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
155	Chrysene	218-01-9, 1719-03-5	Concentration in the constituent article exceeds 1,000 ppm. "CAS No. 218–01-09" is applied, except for the prohibition usage of "Polycyclic aromatic hydrocarbons (PAH)" shown in No. 043 of Table 1. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
156	Cadmium Nitrate	10325-94-7	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "cadmium compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "cadmium compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
157	Cadmium hydroxide	21041-95-2	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for "Excluded use" of "cadmium compounds" defined in Table 1e. Other applications should meet the criteria in Table 1 for "cadmium compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
158	Cadmium carbonate	513-78-0	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “cadmium compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "cadmium compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
159	Benz [a] anthracene	56-55-3	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of “polycyclic aromatic hydrocarbons (PAH)” shown in No. 043 of Table 1. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
160	Missing number			
161	Terphenyl, hydrogenated	61788-32-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
162	2,2,4,4,6,6,8,8-octamethylcyclotetrasiloxane Octamethylcyclotetrasiloxane (D4)	556-67-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
163	Lead	7439-92-1	Concentration in the constituent article exceeds 1,000 ppm. Applied only to them when they are used for “Excluded use” of “lead compounds” defined in Table 1e. Other applications should meet the criteria in Table 1 for "lead compounds". This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
164	Ethylenediamine (EDA)	107-15-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
165	Dedecamethylcyclohexasiloxane (D6)	540-97-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
166	Disodium octoborate	12008-41-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
167	Dicyclohexyl phthalate (DCHP)	84-61-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
168	Decamethylcyclopentasiloxane (D5)	541-02-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
169	Benzo [ghi] perylene	191-24-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
170	Benzene -1, 2, 4-tricarboxylic acid 1, 2 anhydrides; TMA)	552-30-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
171	Pyrene	129-00-0	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
172	Phenanthrene	85-01-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
173	Fluoranthene	206-44-0	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
174	Benzo [k] fluoranthene	207-08-9	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of “polycyclic aromatic hydrocarbons (PAH)” shown in No. 043 of Table 1. This is only applied to excluding the prohibition usage of CMRs shown in No. 054 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
175	2,2-bis (4 '-hydroxyphenyl) -4 methylpentane	6807-17-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
176	1, 7, 7-trimethyl -3 - (phenylmethylene) bicyclo [2.2.1] heptane -2 - one (3-benzylidene camphor; 3-BC)	15087-24-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
177	Tris (4-Nonylphenyl, branched and linear) phosphite	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
178	4-tert-butylphenol	98-54-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
179	2-methoxyethyl acetate	110-49-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
180	Salts and acyl of 2,3,3,3-tetrafluoro -2 (heptafluoropropoxy) propionic acid Halides (for substances that optionally contain individual isomers or combinations thereof)	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
181	Perfluorobutane sulfonic acid (PFBS) and its sales	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
182	Diisohexyl phthalate	71850-09-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
183	2-methyl -1 - (4-methylthiophenyl) -2 morpholinopropan -1 - one	71868-10-5	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
184	2-benzyl -2 -dimethylamino -4 '-morpholinobutyrophenone	119313-12-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
185	1-vinylimidazole	1072-63-5	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
186	2-methylimidazole	693-98-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
187	Butyl 4-hydroxybenzoate (Butylparaben)	94-26-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
188	Dibutylbis (pentane -2, 4-dionato-O, O ') tin	22673-19-4	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "Dibutyltin compounds (DBT)" shown in No. 017 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
189	Bis (2- (2-methoxyethoxy) ethyl) ether	143-24-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
190	Dioctyltin dilaurate, stannane, dioctyl-, bis (coco acyloxy) derivs., and any other stannane, dioctyl-, bis (fatty acyloxy) derivs. wherein C 12 is the dominant carbon number of the fatty acyloxy moiety	-	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "Dioctyltin compounds (DOT)" shown in No. 018 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
191	1,4-dioxane	123-91-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
192	2,2-bis (bromomethyl) propane -1, 3-diol (BMP); 2,2-dimethylpropan -1 ol, tribromo derivative/3-bromo -2, 2-bis (bromomethyl) -1 propanol (TBNPA); 2,3-dibromo -1 propanol (2,3-DBPA)	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
193	2- (4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
194	4,4 '- (1-methylpropylidene) bisphenol	77-40-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
195	Glutaral	111-30-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
196	Medium-chain chlorinated paraffins (MCCP) This is only applied to excluding the prohibition usage of MCCP (表1：No.066).	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
197	Orthoboric acid, sodium salt	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
198	Phenol, alkylation products (mainly in para position) with C 12 rich branched alkyl chains from oligomerization, covering any individual isomers and/or combinations therapy of (PDDP)	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
199	(±) -1, 7, 7-trimethyl -3 - [(4-methylphenyl) methylene] bicyclo [2.2.1] heptan -2 one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
200	6,6 '-di-tert-butyl -2, 2' -methylenedi-p-cresol	119-47-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
201	S- (tricyclo (5.2.1.0 '2,6) deca -3 en -8 (or 9) -yl O- (isopropyl or isobutyl or 2-ethylhexyl) O- (isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
202	tris (2-methoxyethoxy) vinylsilane	1067-53-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
203	Per- and polyfluoroalkyl substances (PFAS)	-	If the contain of the target substance is known, report its content and use. The criteria of Table 1 also apply to "PFOS and PFOS-related substances (No. 008)", "PFOA, its salt and PFOA-Related compounds (No. 044)", "C9-C14 PFCAs, their salts and C9-C14 PFCAs related substances (No. 058)" and "PFHxS including its salts and related substances (No. 059)" listed in Table 1.	U.S. Toxic Substances Control Act (TSCA), etc.
204	N- (hydroxymethyl) acrylamide	924-42-5	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
205	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene	37853-59-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
206	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA)	79-94-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
207	4,4'-sulphonyldiphenol (Bisphenol S)	80-09-1	Concentration in the constituent article exceeds 1,000 ppm. This is only applied to excluding the prohibition usage of "4,4'-sulphonyldiphenol (Bisphenol S)" shown in No. 061 of Table 1.	REACH Regulation 'Candidate substances for authorisation '
208	Barium diboron tetraoxide	13701-59-2	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
209	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	—	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
210	Isobutyl 4-hydroxybenzoate	4247-02-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
211	Melamine	108-78-1	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
212	Perfluoroheptanoic acid and its salts	—	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

No.	Substance name	CAS No.	Conditions of reporting	Major Cited Laws
213	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	—	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
214	bis(4-chlorophenyl) sulphone	80-07-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
215	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
216	2,4,6-tri-tert-butylphenol	732-26-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
217	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
218	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
219	Bumetrizole (UV-326)	3896-11-5	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
220	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	–	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
221	Bis(a,a-dimethylbenzyl)peroxide	80-43-3	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
222	Triphenyl Phosphate	115-86-6	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
223	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
224	O,O,O-triphenyl phosphorothioate	597-82-0	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
225	Octamethyltrisiloxane	107-51-7	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
226	Prefamine	338-83-0	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
227	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
228	1,1,1,3,5,5,5-heptamethyl-3[(trimethylsilyl)oxy] trisiloxane	17928-28-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
229	Decamethyltetrasiloxane	141-62-8	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '
230	tetra(sodium/potassium) 7-[(E)-{2acetamido-4-[(E)-(4-{[4-chloro-6({2-[(4-fluoro-6-{[4(vinylsulfonyl)phenyl]amino}-1,3,5triazine-2-yl)amino]propyl}amino)1,3,5-triazine-2-yl]amino}-5sulfonato-1-naphthyl)diazenyl]-5methoxyphenyl}diazenyl]-1,3,6naphthalenetrisulfonate; Reactive Brown 51	-	Concentration in the constituent article exceeds 1,000 ppm.	REACH Regulation 'Candidate substances for authorisation '

[Notes to Table 2]

1) Content of the management report
   If deliverables meet "Conditions of reporting" defined in the above table, total mass of the applicable chemical substance, purpose of use, and application area, etc., shall be reported to FICT Limited.
2) In terms of "Reportable Substances", methodology of how to calculate concentration shall follow below:
   - Denominator on calculating concentration is mass of the constituent article.
   - Numerator is mass of the applicable chemical substance.
3) The substances fulfill the following additional conditions:
   - Applied only to them when they are used for "Exempted Application" of "lead compounds" defined in Table 1e.
   - Other than those above, they shall comply with the "Standards of ban" as "Lead compounds" defined in Table 1.
   - This is only applied to excluding the prohibition usage of CMRs shown in Table 1.Approach to Content Calculation
4) The substances fulfill the following additional conditions:
   - Applied only to them when they are used for "Exempted Application" of "Cadmium compounds" defined in Table 1e.
   - Other than those above, they shall comply with the "Standards of ban" as "Cadmium compounds" defined in Table 1.
   This is only applied to excluding the prohibition usage of CMRs shown in Table 1

3.Controlled substances contained

Table 3: Controlled Substances

No.	Substance name	CAS No.	Conditions covered	Notes
001	Brominated flame retardants (other than PBBs, PBDEs, HBCDDs)	-	Control content if intentionally added	Detailed substances: Table 3a
002	Polyvinyl Chloride (PVC)	-	If intentionally added, control the mass of material containing the substance	
003	Carcinogens, mutagens and reproductive toxicants (CMRs)	-	Control content if intentionally added except for the inclusion prohibition criteria for CMRs given in Table 1, paragraph 054.	Detailed substance: Note 3
004	Persistent, bioaccumulative and toxic substances (PBTs), very persistent and very bioaccumulative substances (vPvBs)	-	Control content if intentionally added	Detailed substance: Note 4

[Notes to Table 3]

1) Record management content
   - Determine whether the Deliverables meet the "Applicable Conditions" listed in Table 3, and if applicable, record and manage the mass, usage, and content of the Applicable Substances.

2) Approach to Content Calculation
   - In this section, the denominator for calculating the content rate is the total mass of the target article.
   - In the case of composite substances or materials, the materials shall be:.
     - Compounds, polymer alloys, metal alloys, etc.
     - For raw materials such as paints, adhesives, inks, pastes, resin polymers, glass powders, ceramic powders, and the like, they are ultimately formed according to their intended use.
       Example:
       - The paint and adhesive shall be dried and cured.
       - The resin polymer is in a molded state.
       - Post-Molding conditions of glass and ceramics.
     - A single layer of paint, printing, plating, etc. In the case of multiple layers, the state of each single layer is obtained.
     - For packaging materials, cardboard base paper, adhesive, tape, ink, etc.
   - The molecule used to calculate the content is the mass of the chemical substance to be calculated. However, in the case of a metal compound, the mass of only the target metal component is used as a molecule.

3) Carcinogens (Carc.), mutagens (Muta.), and reproductive toxicants (Repr.) (CMRs) are defined as substances identified in Regulation (EC) No 1272/2008 Annex VITable 3.1, Table 3.2, and COMMISSION REGULATION (EU) No 605/2014 Annex III (1) (2) as Carc. 1A/1B, Muta. 1A/1B, Repr. 1A/1B and Carc. Cat. 1, 2, Muta. Cat. 1, 2, Repr. Cat. Substances classified into 1 and 2 are covered.

   REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 ANNEX VI Table 3.1, Table 3.2
   https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1550794756233&uri=CELEX:32008R1272
   [External Link]

   COMMISSION REGULATION (EU) No 605/2014 of 5 June 2014 Annex III (1) (2)
   https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32014R0605
   [External Link]

4) Persistent, bioaccumulative and toxic substances (PBTs) and very persistent and very bioaccumulative substances (vPvBs) are defined as substances that satisfy the conditions specified in Article 57 of the REACH Regulation.

Table 3a: Brominated flame retardants (Other than PBB, PBDE, HBCDD)

Brominated flame retardants (Other than PBB, PBDE, HBCDD)	CAS No.
Brominated flame retardant which comes under notation of ISO 1043 -4 code number FR (14) [Aliphatic/alicyclic branched compounds]	-
Brominated flame retardant which comes under notation of ISO 1043 -4 code number FR (15) [Aliphatic/alicyclic branched compounds in combination with antimony compounds]	-
Brominated flame retardant which comes under notation of ISO 1043 -4 code number FR (16) [Aromatic broken compounds excluded]	-
Brominated flame retardant which comes under notation of ISO 1043 -4 code number FR (17) [Aromatic broken compounds excluding broken diphenyl ether and biphenyl 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-dihydrophenylene oxide)	69882-11-7
Tetra-decabromo-diphenoxy-benzene	58965-66-5
1,2-Bis (2,4,6-tribromo-phenoxy) ethane	37853-59-1
3,5,3 ', 5' -Tetrabromo-bisphenol A (TBBA)	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-phosphatase	32844-27-2
Brominated Epoxy Resin end-capped with Tribromophenol	139638-58-7
Brominated Epoxy Resin end-capped with Tribromophenol	135229-48-0
TBBA- (2,3-dibromo-propyl-ether)	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
Tetrabromo-bisphenol S	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

Brominated flame retardants (Other than PBB, PBDE, HBCDD)	CAS No.
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
2-Hydroxy-propyl -2 - (2-hydroxy-ethyl) -ethyl-TBP	20566-35-2
TBPA, glycol- and propylene-oxide esters	75790-69-1
N, N '-Ethylene-bis- (tetrabromo-phthalimide)	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
Dibromo-neopentyl-glucose	3296-90-0
Dibromo-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
Vinylbromide	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 homopolymers, brominated	68441-46-3
Pentabromo-benzyl-acrylate, monomer	59447-55-1
Pentabromo-benzyl-acrylate, polymer	59447-57-3
Decabromo-diphenyl ethane	84852-53-9
Tribromo-bisphenyl-maleinimide	59789-51-4
Brominated trimethylphenyl-lindane	-
Other Broken Flame Retardants	-
Tetrabromo-cyclooctane	31454-48-5
1,2-Dibromo -4 - (1,2-dibromo-methyl) -cyclo-hexane	3322-93-8
TBPA Na salt	25357-79-3
Tetrabromo phthalic-anhydride	632-79-1
Octabromo -1, 1, 3-trimethyl -1 phenylindane (FR -1808)	155613-93-7

4.Prohibited substances in manufacturing

Table 4: Prohibited substances in manufacturing

Prohibited substances in manufacturing	Notes
Ozone depleting substances shown in Table 1b	・Except when used in the following applications - When used for purposes other than direct manufacturing processes such as analysis, measurement and product development - When used in refrigerators and air conditioners ・The following substances are excluded from the target substances - Substances listed in Note 1 to Table 1b: ・HCFCs* ・Halon -1202 of certain halons ・Bromoethane (ethyl bromide) ・1-Bromopropane (n-propyl bromide) ・Trifluoroiodomethane (trifluoromethyl iodide) ・Chloromethane (methyl chloride) *When HCFCs are used, the amount of HCFCs used should be kept to a minimum. Efforts shall be made to reduce.

[Revision History]

June 30, 2023	(Edition 0.1)	New edition established
July 14, 2023	(Edition 1.0)	First edition
Nov 10, 2023	(Edition 2.0)	Added 1 substance (No.61) as “Prohibited substances” in Table 1 Added 11 substances (No. 205 to 215) as “Reportable Substances” in Table 2
Mar 26, 2024	(Edition 3.0)	Change in Reporting criteria (No. 203) in Table 2. Added 2 substances (No.62-63) as “Prohibited Substances” in Table 1 Added 5 substances (No. 216 to 220) as “Reportable Substances” in Table 2
Nov. 20, 2024	(Edition 4.0)	Review about inclusion prohibition standards. (No.51 in Table 1.) Review of note. (No.60 in Table 1) Correction of errors in writing. (No.006, 010, 020, 061-063 in Table 1) Review of expressions in Table 2. Added 1 substances (No. 221) as “Reportable Substances” in Table 2. Add CAS No. (No.051, 052, 121, 138 in Table 2) Missing number (No.003, 008, 010, 021, 139, 160 in Table 2) [Contact information] Change of the name of Division.
Mar. 04, 2025	(Edition 5.0)	Added 6 substances (No. 222-227) as “Reportable Substances” in Table 2. Updated 1 substances (No. 177) as “Reportable Substances” in Table 2.
Sep. 25, 2025	(Edition 6.0)	Added 4 substance as “Prohibited substances” in Table 1 Added 3 substances as “Reportable Substances” in Table 2

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