

Appendix (Chemical substances managed by Diamond Electric)

Table 1 Prohibited substances

	No.	Name of substance	Application example	Allowable concentration
Metals and metal compounds	1	Lead and its compounds	Soldering materials, copper alloys, aluminum alloys, iron alloys (mainly for free cutting), stabilizers for plastics and rubber materials, stabilizers for pigments, dyes, paints, electronic ceramic parts (piezoelectric elements, ceramic dielectric materials, etc.) Optical glass, plating (black zinc plating, electrolytic plating, etc.), fluorescent display tube glass sensor (temperature sensor, infrared sensor etc.)	However, if it is contained in polyvinyl chloride electric wire (PVC) (power cord, remote control code, communication code between devices) 0.03 wt% or less There are applicability exception items
	2	Mercury and its compounds	Fluorescent lamp, mercury lamp, pigment, paint, ink, battery, plastic, corrosion inhibitor, antibacterial agent	0.1% by weight or less in terms of metal, however, for batteries, it is less than 0.0005% by weight. * There are applicability exception items
	3	Cadmium and its compounds	Fuses, thermal fuses, light receiving elements (CdS etc.), solder, zinc die casting, plastics, etc.), paints, inks, polyvinyl chloride stabilizers, surface treatments (galvanizing etc.), fluorescent lamps, electrical contacts (motor commutator), flame retardant of rubber type foam, battery.	0.01 wt% or less in terms of metal. *1 * There are applicability exception items
	4	Hexavalent chromium compound *2	Steel plate, plating bolts, galvanized steel sheet, pigment, ink, battery (plating) for rust prevention treatment (chromate, duct)	0.1 wt% or less in terms of metal * There are applicability exception items
Organotin compound	5	Specific organotin compound (TBTO), trisubstituted organotin compound	Ink, fungicide, paint	Intentional inclusion is prohibited
	6	Tributyltins (TBTs) Triphenyl tins (TPTs)		Intentional inclusion is prohibited
	7	Dibutyltin compounds (DBTs)	Resin stabilizer, curing catalyst for polyurethane, curing catalyst for silicone, glass coating agent, modifier for rubber	0.1 wt% or less in terms of metal * There are applicability exception items
	8	Diocetyl tin compounds (DOTs)	Two component greenhouse curing mold kit (RTV - 2 mold kit)	0.1 wt% or less in terms of metal * There are applicability exception items

Table 1 Prohibited Substances (Continued)

	No.	Name of substance	Application example	Allowable concentration
Halogenated organic compounds	9	Short chain type chlorinated paraffin	Flame retardant, vulcanization accelerator, paint, Pigment, Ink	Intentional inclusion is prohibited
	10	Polybrominated biphenyls (PBB) *3	Plastics, wire coatings, flame retardants for printed circuit boards, paints, adhesives	0.1 wt% or less in homogeneous material
	11	Polybrominated diphenyl ethers (PBDE) *3		0.1 wt% or less in homogeneous material * There are applicability exception items
	12	Polychlorinated biphenyls (PCB)/ PCTs and their substitute products	Heat medium, insulating oil	Intentional inclusion is prohibited
	13	Polychlorinated naphthalene (PCN: Chlorine number is 3 or more)	Fungicides, organic synthesis raw materials	Intentional inclusion is prohibited
	14	Perfluorooctanesulfonic acid and its salt (PFOS)	Water repellent, paper waterproof agent, foamy digestive agent, floor polish	Intentional inclusion is prohibited * There are applicability exception items
	15	Hexabromocyclododecane (HBCD)	Flame retardant for resin, Flame retardant for fiber	Intentional inclusion is prohibited
VOC	16	Hexachlorobenzene	Flame retardant for resin, Flame retardant for fiber	Intentional inclusion is prohibited
Others	17	Asbestos	Insulation material, thermal insulation material, filling material	Intentional inclusion is prohibited
	18	Azo compound (Forming specific amines) (Specific amines are according to appended table)	Textiles, resin dyes, pigments	Intentional inclusion is prohibited (For a long time or every use, target the part that directly touches the skin. Excluding packaging parts)
	19	Ozone depleting substances *4	Cleaning agent, Refrigerant, Blowing agent	Intentional inclusion is prohibited
	20	Radioactive material	Fuel, measurement	Intentional inclusion is prohibited
	21	2-(2H-1,2,3-benzotriazole · 2 · yl)-4,6-di-tert-butylphenol	Resin, decorative board of plywood, wax, paint, adhesive, etc (included as ultraviolet absorber)	Intentional inclusion is prohibited

Table 1 Prohibited Substances (Continued)

	No.	Name of substance	Application example	Allowable concentration
Others	22	N.N'-Ditolyl-para-phenyle nediamine	Rubber (Antioxidant)	Intentional inclusion is prohibited
	23	2-4-6 Tertiary butylphenol	Antioxidant	Intentional inclusion is prohibited
	24	Mylex	Insecticide, flame retardant	Intentional inclusion is prohibited
	25	Some polycyclic aromatic hydrocarbons (PAHs)	Rubber, plasticizer, plastic colored pigment	1 ppm or less
	26	Dimethyl fumarate (dimethyl fumarate)	Moisture proof agent	0.1 ppm or less
	27	Phthalate esters *5	General purpose plasticizer for plastic products, sealing agent, adhesive	0.1 wt% in the homogeneous material
	28	Other *6	Customer specification	Customer Request

*1: For "cadmium contained in metals other than metals" for Denmark, it should be 0.0075 wt% or less.

*2:"Metal chrome", "Chromium in alloy" and "Metal chromium plating not containing hexavalent chromium" are excluded.

*3: Substance subject to EU RoHS Directive

*4:Montreal Protocol "Montreal Protocol on Substances that Destroy the Ozone Layer" target substances. See appendix 2 for details.

*5:Butyl benzyl phthalate (BBP), bis (2-ethylhexyl) phthalate (DEHP), di-n-butyl phthalate (DBP), diisobutyl phthalate (DIBP)

*6: We will include it according to our customer's request.

*7: Regarding the allowable concentration, we may change it according to our customer's request.

Table 1 Prohibited Substances (Applicable to Packaging Members)

	Name of substance	Application example	Allowable concentration
Metals and metal compounds	Lead and its compounds	1)Cardboard, paint, ink, tape 2)Bands and labels, buffers · bags · sheets · wooden frames etc. (Since they are used in packaging materials, plastic and returnable are excluded)	Only for use for packaging members, the total of 4 substances in each member must be 0.01 wt% or less in terms of metal
	Mercury and its compounds		
	Hexavalent chromium compound *1		
	Cadmium and its compounds		

*1:"Metal chrome", "Chromium in alloy" and "Metal chromium plating not containing hexavalent chromium" are excluded.

Table 2 Reduced substances

	No.	Name of substance	Application example	Allowable concentration
Metals and metal compounds	1	Nickel and its compounds *1	Plating	Intentional inclusion is prohibited (For a long time or every use, target the part that directly touches the skin. Excluding packaging parts) Ex. Water passage part, remote control operation part
VOC	2	Paradichlorobenzene	Insect repellent, deodorant	Intentional inclusion is prohibited
Metals and metal compounds	3	Arsenic and its compounds (arsenic pentoxide, arsenic trioxide)	Surface treatment, ink, resin	Intentional inclusion is prohibited
	4	Beryllium and its compounds (beryllium oxide)	Electrical insulator	0.1 wt% (1000 ppm)
Halogenated organic compounds	5	Perfluorooctanoic acid (PFOA), its salt and its Ester	Leveling agent of paint, surfactant	Intentional inclusion is prohibited
	6	Polyvinyl chloride (PVC) and PVC mixture, copolymers thereof	Insulation materials, Chemical resistance applications, Transparency applications, Sheath materials	Do not use red phosphorus as a substitute material for polyvinyl chloride in terms of halogen free (excluding fluorine) and product safety
VOC	7	Formaldehyde	The same as the guideline value of Ministry of Health, Labor and Welfare	Diffusion concentration 0.08 ppm

Table 2 Reduced substances (continued)

	No.	Name of substance	Application example	Allowable concentration
Others	8	Phthalate esters *2	General purpose plasticizer for plastic products, sealing agent, adhesive	1000 ppm or less
	9	Tris (2-chloroethyl) phosphate	Resin Flame Retardant, Plasticizer	0.1 wt% (1000 ppm)
	10	Cobalt and its compounds (cobalt chloride)	Plating, ink drying agent, glass coloring agent	0.1 wt% (1000 ppm)
	11	Ceramic fiber	Heat insulator, filler, sound absorbing material	0.1 wt% (1000 ppm)
	12	Other *3	Customer specification	Customer Request

*1: Nickel excludes alloys (eg. stainless steel).

*2: Substances other than butylbenzyl phthalate (BBP), bis (2-ethylhexyl) phthalate (DEHP), di-n-butyl phthalate (DBP), diisobutyl phthalate (DIBP)

*3: We will include it according to our customer's request.

Table 3 Controlled substances

Controlled substances shall be substances subject to the following regulations.
 However, since there are differences in report contents (differences between metallic element content report and specific substance content report) for some substances in controlled substances and prohibited substances, they are substances corresponding to controlled substances and used for substances that also fall under the Prohibited Substances, please report them with both controlled substances and prohibited substances.

No.	Regulation targeting chemical substances	Remarks
1	Japan: "Class I Specified Chemical Substance" of the Law Concerning Examination of Chemical Substances and Regulation of Manufacture, etc. (Chemical Substitution Act)	
2	Japan: "Prohibited substances" of the Occupational Safety and Health Law (Safety Law)	
3	Japan: "Specific Poisons" of Poisonous and Deleterious Substances Control Law (strong drug poison Law)	
4	Subject matter of EU: 2002/95 / EC (RoHS Directive)	
5	Subject matter of EU: 2000/53 / EC (ELV Directive)	
6	EU: CLP Regulation Annex VI Table 3.2 Substances of CMR-cat.1, 2 (CLP:Regulation on Classification, Labelling and Packaging of substances and mixtures) (Old: 67/548 / EEC, Council Directive on the approximation of laws, regulations, administrative provisions on hazardous substance classification, packaging, labeling)	
7	EU: REACH Regulation Annex V VII (CLP Regulation Annex VI Table 3.2 Except substances of CMR-cat.1,2) (Old: 76/769 / EEC, directive on restrictions on the launch and use of hazardous substances and preparations)	
8	EU: Candidate subject to approval under REACH regulation (High concern substance: SVHC)	
9	Substances judged to satisfy the prescribed conditions in the ESIS PBT list (fulfilled) (ESIS:European chemical Substances Information System)	
10	GADSL (automobile industry, international unified declaration substance list substance) (GADSL:Global Automobile Declarable Substance List)	
11	JIG (Guidelines for Disclosure of Chemical Substances Contained in Electrical and Electronic Equipment) (JIG:Joint Industry Guide)	

Attachment 1 Specific amine (list of amines that should not be generated by decomposition of azo group)

CAS No.	Name of substance	Chemical formula
60-09-3	4-Aminoazobenzene	C12H11N3
90-04-0	o-anisidine	C7H9NO
91-59-8	2-naphthylamine	C10H9N
91-94-1	3,3'-dichlorobenzidine	C12H10Cl2N2
92-67-1	biphenyl-4-ylamine	C12H11N
92-87-5	Benzidine	C12H12N2
95-53-4	o-toluidine	C7H9N
95-69-2	4-chloro-o-toluidine	C7H8ClN
95-80-7	2,4-toluenediamine	C7H10N2
97-56-3	o-aminoazotoluene	C14H15N3
99-55-8	5-nitro-o-toluidine	C7H8N2O2
101-14-4	3,3'-dichloro-4,4'-diaminodiphenylmethane	C13H12Cl2N2
101-77-9	4,4'-methylenedianiline	C13H14N2
101-80-4	4,4'-diaminodiphenylether	C12H12N2O
106-47-8	p-chloroaniline	C6H6ClN
119-90-4	3,3'-dimethoxybenzidine	C14H16N2O2
119-93-7	3,3'-dimethylbenzidine	C14H16N2
120-71-8	2-methoxy-5-methylaniline	C8H11NO
137-17-7	2,4,5-trimethylaniline	C9H13N
139-65-1	4,4'-thiodianiline	C12H12N2S
615-05-4	4-methoxy-m-phenylenediamin	C7H10N2O
838-88-0	4,4'-methylenedi-o-toluidine	C15H18N2

Appended Table 2 List of Exemplified Substances to be Used for Prohibited Substances

Since this list is illustrative material, please report it if it is a substance not listed in this list and it falls under "Prohibited Substance".

	No.	Substance group / Exemplary substance name	CAS No.	Metal conversion factor	
Metals and metal compounds	1	Lead and its compounds			
		lead	7439-92-1	1.000	
		Lead carbonate	598-63-0	0.775	
		Lead oxide (IV)	1309-60-0	0.866	
		Three lead tetraoxide	1314-41-6	0.907	
		Lead sulfide (II)	1314-87-0	0.866	
		Lead oxide (II)	1317-36-8	0.928	
		Basic lead carbonate (II)	1319-46-6	0.801	
		Lead carbonate hydroxide (lead bicarbonate)	1344-36-1	0.801	
		Lead sulfate (II)	7446-14-2	0.683	
		Lead phosphate (II)	7446-27-7	0.766	
		Lead chromate	7758-97-6	0.641	
		Lead Titanate	12060-00-3	0.686	
		Lead sulfate	15739-80-7	1.000	
		Tribasic lead sulfate	12202-17-4	0.850	
		Lead stearate	1072-35-1	0.268	
		Dibasic lead stearate	56189-09-4	0.410	
		Lead acetate	301-04-2	0.631	
		Lead acetate (II), trihydrate	6080-56-4	0.546	
		Lead selenide	12069-00-0	0.724	
		Other lead compounds			
		2	Mercury and its compounds		
			Mercury	7439-97-6	1.000
			Mercury chloride (II), mercuric chloride	7487-94-7	0.739
			Mercury oxide (II)	21908-53-2	0.926
			Mercury sulfate	7783-35-9	0.676
			Mercury nitrate	10045-94-0	0.618
			Mercuric sulfide	1344-48-5	0.862
			Other mercury compounds		
		3	Cadmium and its compounds		
			Cadmium	7440-43-9	1.000
		Cadmium oxide	1306-19-0	0.875	
		Cadmium sulfide	1306-23-6	0.778	
		Cadmium chloride	10108-64-2	0.613	
		Cadmium sulfate	10124-36-4	0.539	
		Other cadmium compounds			

	4	Hexavalent chromium compound		
		Sodium dichromate	10588-01-9	0.397
		Chromium trioxide / chromium oxide	1333-82-0	0.520
		Calcium chromate	13765-19-0	0.333
		Lead chromate	7758-97-6	0.161
		Potassium dichromate	7778-50-9	0.353
		Potassium chromate	7789-00-6	0.268
		Barium chromate	10294-40-3	0.205
		Sodium chromate	7775/11/3	0.321
		Strontium chromate	7789/6/2	0.255
		Zinc chromate	13530-65-9	0.287
		Other hexavalent chromium compounds		
Organotin compound	5	Specific organotin compound (TBTO), trisubstituted organotin compound		
		Bis (tributyltin) oxide	56-35-9	0.3983
		Other specific organotin compound (TBTO), trisubstituted organotin compound		
	6	Tributyltins (TBTs), triphenyltins (TPTs)		
		Triphenyl tin = N, N-dimethyl dithiocarbamate	1803-12-9	-
		Triphenyl tin = fluoride	379-52-2	-
		Triphenyl tin = acetate	900-95-8	-
		Triphenyl tin chloride	639-58-7	-
		Triphenyl tin = hydroxide	76-87-9	-
		Triphenyl tin fatty acid salt (limited to fatty acid having 9, 10, or 11 carbon atoms)	47672-31-1	-
		Triphenyl tin = chloroacetate	7094-94-2	-
		Tributyltin = methacrylate	2155-70-6	-
		Bis (tributyltin) = fumarate	6454-35-9	-
		Tributyltin = fluoride	1983/10/4	-
		Tributyltin = 2,3-dibromosuccinate	31732-71-5	-
		Tributyltin = acetate	56-36-0	-
		Tributyltin = Laurat	3090-36-6	-
		Tributyltin = phthalate	4782-29-0	-
		Alkyl = acrylate • methyl = methacrylate • tributyltin = methacrylate, copolymer (alkyl having an alkyl group of acrylate whose carbon number is 8)	-	-
		Tributyltin = sulfamate	6517-25-5	-
		Bis (tributyltin) = Maleate	14275-57-1	-
		Tributyltin chloride	1461-22-9	-
		Tributyltin = cyclopentanecarboxylate and a mixture of this analogous compound		-
		Tributyltin = 1,2,3,4,4a, 4b, 5,6,10,10a-decahydro 7-isopropyl-1,4a-dimethyl-1-fernanenecarboxylate and a mixture of these analogous compounds		-
		Other tributyl tins (TBTs), triphenyl tins (TPTs)		-
7	Dibutyltin compounds (DBTs)			
	Dibutylstannane	1002-53-5	0.5052	
	(z, z) -4,4' - [(dibutylstannylene) bis (oxy)] bis [4-oxo-2z'z-2-butenoic acid]	10192-92-4	0.2564	

Dibutyl tin diacetate	1067-33-0	0.3382
Dibutylbis (docetylthio) stannane	1185-81-5	0.1867
(z, z) -dibutylbis [3-carboxyacryloyl] oxy] -stannane ethyl ester	13173-04-1	0.2286
Bis [(9Z) -9-octadecenoic acid] dibutyltin	13323-62-1	0.1492
Dibutylbis [(1-oxohexadecyl) oxy] tin	13323-63-2	0.1596
Bis (O-hydroxybenzoic acid) Dibutyltin	14214-24-5	0.2341
(z, z) -4-4 '- [(dibutylstannylene) bis (oxy)] bis [4-oxo-2-2 pentene] ester	15546-11-9	0.2417
Bis (maleic acid = 2-ethylhexyl) dibutyltin	15546-12-0	0.1727
(z, z) -bis [(4-butoxy-1,4-dioxo-2-pentenyl) oxo] dibutylstannane	15546-16-4	0.2063
Dibutyl (1,2-ethanediamine-N, N ') bis (isooctyl 2-pentenedioato-O') tin	163206-28-8	0.1588
Dibutyl tin diacetate	17523-06-7	0.3382
Dibutyl tin dibutylate	28660-63-1	0.2916
Dibutyl tin diisostearate	59963-28-9	0.1484
Dibutyltin dihexanoate	19704-60-0	0.2563
(z, z) -dibutylbis [3-carboxyacryloyl] oxy] - stannane diisopropyl	22535-42-8	0.2169
Dibutylbis (2,4-pentadionato) tin (4+)	22673-19-4	0.2753
Dibutyl tin bis (isooctyl methyl caproacetate)	25168-24-5	0.1856
2,2 '- [(dimethylstannylene) bis (thio)] diisooctyl bisacetate	26636-01-1	0.2137
3,3 '- [(dibutylstannylene) bis (thio) bis-propanoic acid diisooctyl]	26761-46-6	0.1778
Bis (octyl mercaptoacetate) dibutyltin	2781-09-1	0.1856
Dibutyltin bis (2-ethylhexanate)	2781-10-4	0.2286
(All-Z) -4,4 '- [(dibutylstannylene) bis (oxy)] bis [4-oxo-2-butenoic acid di-9-octadecenyl]	29881-72-9	0.1231
S, S'-bisooctatic mercaptoacetate dibutyltin	32011-18-0	0.1856
Dibutyl bis (hydrogen 3-mercaptopropionato) - tin dimethyl	32011-19-1	0.2519
(Z, z) -4,4 '- [(dibutylstannylene) bis (oxy)] bis [4-oxo-2-butenoic acid didodecyl]	33466-31-8	0.1484
Dibutoxydibutyltin	3349-36-8	0.3131
Dibutylbis [(1-oxooctyl) oxy] tin	4731-77-5	0.2286
3,3 '- [(dibutylstannylene) bis (thio)] bis-propionic acid didodecyl]	51287-83-3	0.1522
3,3 '- [(dibutylstannylene) bis (thio)] bispropionic acid bis (2-ethylhexyl)	53202-61-2	0.1778
Dibutyl bis (ethyl-3-oxobutyric acid-O 1 ', O 3) tin	54581-65-6	0.2417
Bis (benzoisoyloxy) dibutylstannane	5847-54-1	0.2498
Dibutyltin distearate	5847-55-2	0.1484
Bis (2-methylpropyl) oxo-stannane	61947-30-6	0.4796
Bis (triethylamino) dibutyltin difluoride	67924-24-7	0.2508
Dibutyltin 2-hydroxyethyliminodiacetate	68239-46-3	0.2909
Dibutyltin dichloride	683-8-1	0.3907
8,8-Dibutyl-3,6,10-trioxo-1-phenyl-2,7,9-trioxa-8-stannatrideca-4z, 11z-diene-13-acid phenylmethyl ester	7324-74-5	0.1845
Di-μ-oxo-di-n-butylstanniohydroborane, dibutyltin hydroxide, DBB	75113-37-0	0.4055
Dibutyl [(1-oxodotecyl) oxy] tin	77-58-7	0.1880
Di-n-butyl tin maleate	78-04-6	0.3421
2,2-Dibutyl dihydro-6H-1,3,2, -oxathiastanin	78-06-8	0.3522
2,2-Dibutyl-1,3,2-oxathiastanol	78-20-6	0.3675
Dibutyltin oxide	818-08-6	0.4769
3-mercaptopropionate ester of pentaerythritol	85391-79-3	0.1499
Dibutylbis [(1-oxoisooctyl) oxy] -stannane	85702-74-5	0.2286
3-mercaptopropionate ester of pentaerythritol	95873-60-2	0.1507
Dibutyl tin bis (isooctyl maleate)	25168-21-2	0.1727

	Dibutyltin bis (2-ethylhexylmercaptoacetate)	10584-98-2	0.1856
8	Diocetyl tin compounds (DOTs)		
	Diocetyl tin oxide: dioctyltin oxide	870-08-6	0.3287
	Diocetyl tin bis (2-ethylhexyl thioglycolate)	15571-58-1	0.1579
	Di-N-octyltin maleate	16091-18-2	0.2585
	Di-N-octyltin bis (isooctylthioglycolic acid) ester	26401-97-8	0.1579
	Diocetyl tin bis (monoalkyl maleate (C = 6 to 24) ester) salt	33568-99-9	0.1484
	Dichlorodioctyltin	3542-36-7	0.2853
	Bis (docetylthio) dioctyltin	22205-30-7	0.1587
	Di-n-octyltin dilaurate	3648-18-8	0.1596
9	Short chain type chlorinated paraffins		
	Chlorinated paraffin (carbon number 10 to 13)	85535-84-8	-
	Other short chain type chlorinated paraffins		-
10	Polybrominated biphenyls (PBBs)		
	Polybrominated biphenyls	59536-65-1	-
11	Polybrominated diphenyl ethers (PBDEs)		
	Tetrabromodiphenyl ether	40088-47-9	-
	Pentabromodiphenyl ether	32534-81-9	-
	Hexabromodiphenyl ether	36483-60-0	-
	Heptabromodiphenyl ether	68928-80-3	-
	Octabromodiphenyl ether	32536-52-0	-
	Nonabromodiphenyl ether	63936-56-1	-
	Decabromodiphenyl ether	1163-19-5	-
	Other PBDEs		-
12	Polychlorinated biphenyls (PCBs / PCTs and their substitutes)		
	PCB (polychlorinated biphenyl)	1336-36-3	-
	PCT (polychlorinated terphenyl)	61788-33-8	-
	Other PCBs / PCTs		-
13	Polychlorinated naphthalene		
	Polychlorinated naphthalene (the number of chlorine is 3 or more)	70776-03-3	-
	Other polychlorinated naphthalenes (chlorine number is 3 or more)		-
14	Polychlorinated naphthalene		
	Heptadecafluorooctane-1-sulfonic acid fluoride	307-35-7	-
	Methacrylic acid 2- [ethyl [(heptadecafluorooctyl) sulfonyl] amino] ethyl	376-14-7	-
	Acrylic acid 2- [butyl [(heptadecafluorooctyl) sulfonyl] amino] ethyl	383-07-3	-
	Acrylic acid 2- [N-ethyl- (heptadecafluorooctylsulfonyl) amino] ethyl	423-82-5	-
	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- (2-propenyl) -1-octane sulfone Amide	423-86-9	-
	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonamido *	754-91-6	-

N, N, N-trimethyl-3- (heptadecafluorooctylsulfonylamino) propane-1-aminium iodide	1652-63-7	-
N-ethyl-N- (2-hydroxyethyl) -1, 1, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro -1-octanesulfonamide	1691-99-2	-
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid	1763-23-1	-
N-ethyl-N- (heptadecafluorooctylsulfonyl) glycine ethyl	1869-77-8	-
N, N', N''- [phosphinylidene tris (oxy-2,1-ethanediyl)] tris (N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonamido)	2250-98-8	-
Butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- (2-hydroxyethyl) -1-octanesulfonamide	2263/9/4	-
Potassium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octane sulfonate	2795-39-3	-
N-ethyl-N- (heptadecafluorooctylsulfonyl) glycine	2991-50-6	-
N-ethyl-N- (heptadecafluorooctylsulfonyl) glycine potassium	2991-51-7	-
Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- [2- (phosphonoxy) Ethyl] -1-octanesulfonamide	3820-83-5	-
N-ethyl-N - [(heptadecafluorooctyl) sulfonyl] glycine sodium	3871-50-9	-
N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonamide	4151-50-2	-
N- [3- (dimethylamino) propyl] -1, 1, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro- 1-Octane sulfonamide	13417-01-1	-
Methacrylic acid 2 - [(methyl) [(heptadecafluorooctyl) sulfonyl] amino] ethyl	14650-24-9	-
N- (2-hydroxyethyl) -N-methyl-1, 1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro -1-octanesulfonamide	24448-09-7	-
Ammonium phosphate bis [2- [ethyl (heptadecafluorooctylsulfonyl) amino] ethyl]	30381-98-7	-
N- (2-propenyl) -N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro- 1-Octane sulfonamide	24924-36-5	-
Acrylic acid 2- [N-methyl-N- (heptadecafluorooctylsulfonyl) amino] ethyl	25268-77-3	-
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid ammonium	29081-56-9	-
Omega-hydroxy-alpha- [2- [ethyl [(fluorooctyl) sulfonyl] amino] ethyl] - poly (oxy-1,2-ethanediyl)	29117-08-6	-
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-ヘプタデカフルオロオクチルチオアミン - 1 - スルホニウム塩	29457-72-5	-
None: [1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- [3- (dimethylamino) Propyl] -1-octane sulfoxide amino]	30295-51-3	-
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-1-octanesulfonamide	31506-32-8	-
3 - [[(heptadecafluorooctyl) sulfonyl] amino] -N, N, N-trimethyl- 1 - propanaminium chloride	38006-74-5	-
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- (phenylmethyl) -1-octanesulfonamide	50598-29-3	-
Omega hydroxy-alpha - [2 - [[(heptadecafluorooctyl) sulfonyl] propylamino] ethyl] - poly (oxy-1,2-ethanediyl)	52550-45-5	-
N, N, N-triethyl ethanaminium-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1 -Octane sulfonate	56773-42-3	-
2,3,4,5-tetrachloro-6 - [[[3 - [[(heptadecafluorooctyl) sulfonyl] oxy] phenyl] amino] carbonyl] benzoic acid potassium	57589-85-2	-
Propenoic acid 4 - [[(heptadecafluorooctyl) sulfonyl] methylamino] butyl	58920-31-3	-
2 - methylpropenoic acid 4 - [[(heptadecafluorooctyl) sulfonyl] methylamino] butyl	61577-14-8	-
Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- [3- (tri Methoxysilyl) propyl] -1-octanesulfonamide	61660-12-6	-
Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- [3- (trichlorosilyl) Propyl] -1-octanesulfonamide	67939-42-8	-
N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- [2- (phosphonoxy) Ethyl] -1-octanesulfonamide diammonium	67969-69-1	-
N- [3- (dimethylamino) propyl] -1, 1, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro- 1-octanesulfonamide	67939-88-2	-

	hydrochloride		
	Bis [2- [ethyl [(perfluoro-C4-8-alkyl) sulfonyl] amino] ethyl] ester-(4-methyl-1,3-phenylene) bis-carbamic acid	68081-83-4	-
	3 - [[[heptadecafluorooctyl) sulfonyl] (3-sulfonatopropyl) amino] -N-(2-hydroxyethyl) - N, N- dimethyl- 1 - propanaminium	68298-11-3	-
	2 - propanoate - octadecyl - 2 - propinoate, 2- [methyl [(tridecafluorohexyl) sulfonyl] amino] ethyl - 2 - propylate, 2 - [methyl [(undecafluoropentyl) sulfonyl] - [methyl [(pentadecafluoropentyl) sulfonyl] amino] ethyl-2-propinoate, 2- [methyl [(nonafluorobutyl) sulfonyl] amino] ethyl-2-propinoate, hexadecyl 2-propylate, 2- [[(Heptadecafluorooctyl) sulfonyl] methylamino] ethyl-2-propenoate polymer, eicosyl ester, 2-propenoic acid	68329-56-6	-
	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N- (4-hydroxybutyl) -N-Methyl-1-octanesulfonamide	68239-73-6	-
	3 - [[[heptadecafluorooctyl) sulfonyl] amino] -N, N, N-trimethyl- 1 -propanaminium / iodide / ammonia, (1: 1: 1)	68310-75-8	-
	2 - [ethyl [(heptadecafluorooctyl) sulfonyl] amino] ethyl 2 - methyl - 2 - propinoate - octadecyl - 2 - propinoate polymer, 2 - propenoic acid	68541-80-0	-
	2-propanoate, 2- [methyl [(pentadeca) (pentadeca 2 - [[[heptadecafluorooctyl) sulfonyl] methylamino] ethyl - amino] ethyl propionate, 2- [methyl [(nonafluorobutyl) sulfonyl] amino] 2-propinoate polymer, butyl ester, 2-propenoic acid	68555-90-8	-
	2 - propanoate - octadecyl - 2 - methyl - 2 - propinoate, 2- [ethyl [(tridecafluorohexyl) sulfonyl] amino] Ethyl 2-methyl-2-propanoate, 2- [ethyl [(pentadecafluoroheptyl) sulfonyl] amino] ethyl 2-methyl-2-propanoate, 2- [ethyl [(nonafluorobutyl) sulfonyl] Ethyl 2-methyl-2-propinoate polymer, 2- [ethyl [(heptadecafluorooctyl)] sulfonyl] amino] ethyl ester, 2-methyl-2-propenoic acid	68555-91-9	-
	2- [methyl [(undecafluoropentyl) sulfonyl] amino] ethyl-2-methyl-2-propinoate-octadecyl- Ethyl 2-methyl-2-propanoate, 2- [methyl [(pentadecafluoroheptyl) sulfonyl] amino] ethyl 2-methyl-2-propinoate, 2- [methyl [(nonafluorobutyl) sulfonyl] -2 - methyl - 2 - propinoate polymer, 2 - [[[heptadecafluorooctyl) sulfonyl] methylamino] ethyl ester, 2 - methyl - 2 - propenoic acid	68555-92-0	-
	1,1'-methylenebis [4-isocyanic acid benzene] reactive organism, N-ethyl-N-(hydroxyethyl), perfluoro, C4-8-alkane, sulfonamide	68608-14-0	-
	Propanoic acid, 2- [methyl [(tridecafluorohexyl) sulfonyl] amino] ethyl-2-propenoate, 2- [methyl [(undecafluoropentyl) sulfonyl] Methyl [(nonafluorobutyl) sulfonyl] amino] ethyl-2-propinoate, 2 - [[[heptadecafluorooctyl) sulfonyl] Methylamino] ethyl-2-propinoate, ethenylbenzene polymer, methyl ester, 2-methyl-2-propenoic acid	71487-20-2	-
	2 - propanoate - alpha - (1 - oxo - 2 - propenyl) - omega - methoxypoly (oxy - 1, 2 - ethanediyl), 2- [methyl [(Tridecafluorohexyl) sulfonyl] amino] ethyl-2-propinoate, 2- [methyl [(pentadecafluoroheptyl) sulfonyl] amino] ethyl-2-propinoate, 2- [methyl [(nonafluorobutyl) sulfonyl] Amino] ethyl-2-propinoate polymer, 2 - [[[heptadecafluorooctyl) sulfonyl] methylamino] ethyl ester, 2-propenoic acid	68867-60-7	-
	2- [ethyl [(undecafluoropentyl) sulfonyl] amino] ethyl-2-methyl-2-propinoate-2-methyl-1,3-butadiene, 2- [ethyl [(tridecafluorohexyl) sulfonyl] Ethyl 2-methyl-2-propanoate, 2- [ethyl [(pentadecafluoroheptyl) sulfonyl] amino] ethyl 2-methyl-2-propinoate, 2- [ethyl [(nonafluorobutyl) sulfonyl] -2-methyl-2-propinoate polymer, 2- [ethyl [(heptadecafluorooctyl) sulfonyl] amino] ethyl ester, 2-methyl-2-propenoic acid	68877-32-7	-
	Diacetracloro [.mu . - [N-ethyl-N - [(heptadecafluorooctyl) sulfonyl] glycinato-.kappa.O: .kappa.O ']] - . Mu.- hydroxybis (2-methyl Propanol) di-chromium	68891-96-3	-
	2- [methyl [(undecafluoropentyl) sulfonyl] amino] ethyl acrylate, 2- [methyl [(tridecafluorohexyl)] sulfonyl] amino] ethyl acrylate, 2- 2 - [[[heptadecafluorooctyl) sulfonyl] methylamino] - 1 - [(pentadecafluoroheptyl) sulfonyl] amino] ethyl acrylate, 2- [methyl [(nonafluorobutyl) sulfonyl] amino] Ethyl-acrylate, branched octyl acrylate polymer, eicosyl ester-2-propenoic acid	68909-15-9	-
	Alpha- [2- [ethyl [(heptadecafluorooctyl) sulfonyl] amino] ethyl] - . Omega .- methoxy-poly (oxy-1,2-ethanediyl)	68958-61-2	-
	2,2'-iminobisethanol / heptadecafluoro-1-octanesulfonic acid, (1: 1)	70225-14-8	-

2-propanoate, 2- [methyl [(pentadeca] (pentadeca (Nonafluorobutyl) sulfonyl] amino] ethyl-2-propinoate, N- (hydroxymethyl) -2-propynoate, 2 - [[hepta Decafluorooctyl) sulfonyl] methylamino] ethyl-2-propinoate, 1,1-dichloroethane polymer, octadecyl ester, 2-methyl-2-propenoic acid	70776-36-2	-
[3- [ethyl [(heptadecafluorooctyl) sulfonyl] amino] propyl] phosphonic acid	71463-78-0	-
[3- [ethyl [(heptadecafluorooctyl) sulfonyl] amino] propyl] phosphonic acid diethyl	71463-80-4	-
Propenoic acid, 2- [methyl [(tridecafluorohexyl) sulfonyl] amino] ethyl-propanoate, 2- [methyl [2 - propenoate, 2- [methyl [(pentadecafluoroheptyl) sulfonyl] amino] ethyl - 2 - propinoate, 2- [methyl [(nonafluorobutyl) sulfonyl] amino] ethyl - 2 - propinoate, 2 - [[Heptadecafluorooctyl) sulfonyl] methylamino] ethyl-2-propinoate, ethenyl benzene polymer, methyl ester, 2-methyl-2-propenoic acid	71487-20-2	-
Epichlorohydrin, adipate reaction product, N- (hydroxyethyl) -N-methyl, perfluoro, C4-8-alkane, sulfonamide	91081-99-1	-
2 - [[[heptadecafluorooctyl) sulfonyl] methylamino] ethyl - 2 - propinoate - oxylynylmethyl - 2 - methyl - 2 - propinoate, 2 - ethoxyethyl - 2 - propinoate polymer, N, N, N -Trimethyl-2 - [(2-methyl-1-oxo-2-propenyl) oxy] - ethanaminium chloride	92265-81-1	-
Sodium 3 - [[3- (dimethylamino) propyl] [(heptadecafluorooctyl) sulfonyl] amino] -1-hydroxy- 1 -propanesulfonate	94133-90-1	-
[5 - [[[2 - [[(heptadecafluorooctyl) sulfonyl] methylamino] ethoxy] carbonyl] amino] -2- methylphenyl] carbamic acid (Z) - 9 - octadecenyl	94313-84-5	-
Ethanaminium chloride, 2-ethoxyethyl acrylate polymer, N-methyl-N- [2- [(2-methyl-1-oxo-2-propenyl) (1-oxo-2-propenyl) oxy] ethyl], perfluoro, C 7-8 -alkane, sulfonamide	98999-57-6	-
Lauryl methacrylate-2- [methyl (perfluoro-C 4-8 -alkyl) sulfonyl] amino] ethyl methacrylate, butyl methacrylate polymer, 2-methyl-2-propenoic acid	127133-66-8	-
2,2' - (methylimino) bis [ethanol] mixture, hydrolysis, 2- [methyl [(perfluoro-C 4-8 alkyl)sulfonyl] amino] acryl ethyl ethyl monoacryl propylene glycol, acrylic acid polymer, 3 - (trimethoxysilyl) propyl ester, 2-methyl-2-propenoic acid	306977-58-2	-
2- [methyl [(perfluoro C 4-8 alkyl) sulfonyl] amino] acryl ethyl-vinylidene chloride, acrylamide polymer, butyl ester, 2-propenoic acid	306978-04-1	-
N- (hydroxyethyl) -N-methylperfluoro-C4-8-alkanesulfonamide-blocked stearyl alcohol, homopolymer, 1,6-diisocyanic acid-hexane	306978-65-4	-
N - [(perfluoro-C4-8-alkyl) sulfonyl] - . Alpha . - [2- (methylamino) ethyl] - . Omega . - [(1,1,2,2-tetramethylbutyl) phenoxy] - poly (oxy-1,2-ethanediy)	306979-40-8	-
N-methyl-N- (oxylanylmethyl), perfluoro, C4-8-alkane-sulfonamide	129813-71-4	-
2 - [[[heptadecafluorooctyl) sulfonyl] methylamino] ethyl ester, trimer, C18 unsaturated fatty acid	148240-78-2	-
1,6-diisocyanic acid hexane homopolymer-ethylene glycol reaction product, N- (hydroxyethyl) -N-methyl, perfluoro, C4-8-alkane, sulfonamide	148684-79-1	-
2-ethyl-1-hexanol-polymethylene polyphenylene isocyanate reaction product, N-ethyl-N- (hydroxyethyl), perfluoro, C4-8-alkane, sulfonamide	160901-25-7	-
Potassium salt, N- [3- (dimethyloxidoamino) propyl] -1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- Heptatocafluoro-1-octanesulfonamide	178094-69-4	-
Oxime blocked methyl ethyl ketone, 2-ethyl hexyl ester, 1,1'-methylene bis [4-isocyanic acid benzene] -polymethylene polyphenylene isocyanate polymer, N-ethyl- N- (hydroxyethyl) -perfluoro, C4-8-alkane , Sulfonamide	178535-22-3	-
Sulfurized chlorobenzene reaction product 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-1- Octane sulfonamide	182700-90-9	-
Acrylic acid reaction product, N- [3- (dimethylamino) propyl], perfluoro, C4-8-alkane, sulfonamide	192662-29-6	-
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate, N-decyl-N , N-dimethyl-1-decanaminium	251099-16-8	-
2 - [[[heptadecafluorooctyl) sulfonyl] methylamino] ethyl ester, trimer, C 18 unsaturated fatty acid heptadecafluorooctyl) sulfonyl] methylamino] ethyl ester dimer, Linseed oil fatty acid	306973-46-6	-
12-hydroxystearic acid-2,4-TDI, ammonium salt reaction product, N- (hydroxyethyl) -N-methyl, perfluoro, C4-8-alkane, sulfonamide	306973-47-7	-
N-methyl-N - [(3-octadecyl-2-oxo-5-oxazolidinyl) methyl] perfluoro, C4-8-alkane, sulfonamide	306974-19-6	-
3 - [(2-methyl-1-oxo-2-propenyl) oxy] propyl group] terminal [2- [methyl	306974-28-	-

		[(perfluoro-C 4-8 alkylsulfonyl) amino] ethyl acrylate-stearyl methacrylate polymer, Dimethylsiloxane-silicon	7	
		Polyethylene-polypropylene glycol-bis (2-aminopropyl) ether mixture, perfluoro, C 6-8 -alkane, sulfonic acid	306974-45-8	-
		2- [methyl [(perfluoro-C4-8-alkyl) sulfonyl] amino] ethyl ester dimer, C18 unsaturated fatty acid	306974-63-0	-
		Triethylamine mixture, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- (2-hydroxyethyl) -1-octanesulfonamide-N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N- (2-hydroxyethyl) -1-heptanesulfonamide reaction formation (Hydroxymethyl) -1,3-propanediol-N, N', 2-tri (6-isocyanic acid hexyl) imide dicarboxylic acid polymer, 3-hydroxy- -2-methyl-propanoic acid	306975-56-4	-
		Morpholine mixture, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N- (2 -Hydroxyethyl) -1-octanesulfonamide-N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N- (2-hydroxyethyl) -1-heptanesulfonamide reaction formation, 1,1'-methylenebis [4-isocyanic acid benzene] -1,2,3-propanetriol polymer, 3-hydroxy-2- (hydroxymethyl) -2-methyl-propanoic acid	306975-57-5	-
		2 - [methyl [(perfluoro-C 4 - 8 - alkyl) sulfonyl] amino] ethyl acrylate - vinylidene chloride polymer, dodecyl ester, 2 - methyl - 2 - propenoic acid	306975-62-2	-
		N- (hydroxyethyl) -N-methylperfluoro-C4-8-alkanesulfonamide, 1,6-diisocyanate hexane polymer, alphahydro-omega hydroxy-poly (oxy-1,2-ethanediy)	306975-84-8	-
		Methacryl stearyl-vinylidene chloride, 2- [methyl [(perfluoro-C4-8-alkyl) sulfonyl] amino] methacrylylethyl, N- (hydroxymethyl) -2-propenamamide polymer, dodecyl ester, 2- Propenoic acid	306975-85-9	-
		Methacrylic butane-2- [methyl [(perfluoro-C4-8-alkyl) sulfonyl] amino] acryl ethyl, acrylic butane polymer, bromide, N, N-dimethyl- N- [2 - [(2-methyl- -Oxo-2-propenyl) oxy] ethyl] -1-hexadecanaminium	306976-25-0	-
		Ethyl-N- (hydroxyethyl) perfluoro-C4-8-blocked alkanesulfonamide, 2-ethyl-2- (hydroxymethyl) -1,3- propanediol-2-propenoic acid, 2,4- Diisocyanato-1-methylbenzene polymer, 2-methylpropyl ester, 2-methyl-2-propenoic acid	306976-55-6	-
		N, N' - [1,6-hexanediy]bis [(2-oxo-3,5-oxazolidinediy) methylene]] bis [N-methyl-perfluoro, C4-8-alkanesulfonamide	306980-27-8	-
Others	15	Asbestos		
		asbestos	1332-21-4	-
		Amosite	12172-73-5	-
		Chrysotile	12001-29-5	-
		Crocidolite	12001-28-4	-
		Actinolite	77536-66-4	-
		Ant fillill light	77536-67-5	-
		Tremolite	77536-68-6	-
	16	Ozone depleting substances		
		Montreal Protocol Annex A Group I	(Class I)	
		CFC-11	75-69-4	-
		CFC-12	75-71-8	-
		CFC-113	76-13-1	-
		CFC-114	374-07-2	-
		CFC-115	76-15-3	-
		Montreal Protocol Annex A Group II	(Class I)	
		Halon-1211	353-59-3	-
		Halon-1301	75-63-8	-

	Halon-2402	124-73-2	-
	Montreal Protocol Annex B Group I	(Class I)	
	CFC-13	75-72-9	-
	CFC-111	354-56-3	-
	CFC-112	76-12-0	-
	CFC-211	422-78-6	-
	CFC-212	3182-26-1	-
	CFC-213	2354-06-5	-
	CFC-214	29255-31-0	-
	CFC-215	4259-43-2	-
	CFC-216	661-97-2	-
	CFC-217	422-86-6	-
	Montreal Protocol Annex B Group II	(Class I)	
	Carbon tetrachloride (tetrachloromethane)	56-23-5	-
	Montreal Protocol Annex B Group III	(Class I)	
	1,1,1-trichloroethane	71-55-6	-
	Montreal Protocol Annex C Group I	(Class I)	
	HCFC-21	75-43-4	-
	HCFC-22	75-45-6	-
	HCFC-31	593-70-4	-
	HCFC-121	354-14-3	-
	HCFC-122	354-21-2	-
	HCFC-123	306-83-2	-
	HCFC-124	2837-89-0	-
	HCFC-131	359-28-4	-
	HCFC-132	431-06-1	-
	HCFC-133	75-88-7	-
	HCFC-141	430-57-9	-
	HCFC-141b	1717-00-6	-
	HCFC-142	75-68-3	-
	HCFC-142b	75-68-3	-
	HCFC-151	1615-75-4	-
	HCFC-221	29470-94-8	-
	HCFC-222	422-49-1	-
	HCFC-223	134237-37-9	-
	HCFC-224	422-54-8	-
	HCFC-225	431-86-7	-
	HCFC-225ca	422-56-0	-
	HCFC-225cb	507-55-1	-
	HCFC-226	28987-04-4	-
	HCFC-231	421-94-3	-
	HCFC-232	460-89-9	-
	HCFC-233	61623-04-9	-
	HCFC-234	127564-83-4	-
	HCFC-235	460-92-4	-
	Montreal Protocol Annex C Group I (continued)	(Class I)	
	HCFC-241	134190-49-1	-
	HCFC-242	127564-90-	-

		3	
	HCFC-243	116890-51-8	-
	HCFC-244	134190-50-4	-
	HCFC-251	134190-51-5	-
	HCFC-252	134190-52-6	-
	HCFC-253	26588-23-8	-
	HCFC-261	420-97-3	-
	HCFC-262	420-99-5	-
	HCFC-271	420-44-0	-
	Other hydrochlorofluorocarbons (HCFC)		-
	Montreal Protocol Annex C Group II	(Class I)	
	Dibromofluoromethane	1868-53-7	-
	Bromodifluoromethane	1511-62-2	-
	Bromofluoromethane	373-52-4	-
	Tetrabromofluoroethane	353-93-5	-
	Tribromodifluoroethane	353-97-9	-
	Dibromo trifluoroethane	354-04-1	-
	Bromotetrafluoroethane	354-07-4	-
	Tribromofluoroethane	172912-75-3	-
	Dibromodifluoroethane	75-82-1	-
	Bromotrifluoroethane	421-06-7	-
	Dibromofluoroethane	358-97-4	-
	Bromodifluoroethane	359-07-9	-
	Bromofluoroethane	762-49-2	-
	Hexabromofluoropropane	-	-
	Pentabromodifluoropropane	-	-
	Tetrabromotrifluoropropane	-	-
	Tribromotetrafluoropropane	666-48-8	-
	Dibromopentafluoropropane	431-78-7	-
	Bromohexafluoropropane	2252-79-1	-
	Pentabromofluoropropane	-	-
	Tetrabromodifluoropropane	148875-98-3	-
	Tribromotrifluoropropane	431-48-1	-
	Dibromotetrafluoropropane	460-86-6	-
	Bromopentafluoropropane	460-88-8	-
	Tetrabromofluoropropane	-	-
	Tribromodifluoropropane	666-25-1	-
	Dibromo trifluoropropane	70192-83-5	-
	Bromotetrafluoropropane	460-67-3	-
	Tribromofluoropropane	75372-14-4	-
	Dibromodifluoropropane	51584-25-9	-
	Bromotrifluoropropane	460-32-2	-
	Dibromofluoropropane	453-00-9	-
	Bromodifluoropropane	461-49-4	-
	Bromofluoropropane	1871-72-3	-

		Other hydrobromofluorocarbons (HBFC)		-
		Montreal Protocol Annex C Group III	(Class I)	
		Bromochloromethane	74-97-5	-
		Montreal Protocol Annex E Group I	(Class I)	
		Methyl bromide (bromomethane)	74-83-9	-
	17	Radioactive material		
		Uranium	7440-61-4	-
		Plutonium	7440/7/5	-
		Radon	10043-92-2	-
		Americium	7440-35-9	-
		Thorium	7440-29-1	-
		Cesium	7440-46-2	-
		Strontium	7440-24-6	-
		Other radioactive materials		-
	18	2- (2H-1,2,3-benzotriazole · 2 · yl) -4,6-di-tert-butylphenol		
		2- (2H-1,2,3-benzotriazole · 2 · yl) -4,6-di-tert-butylphenol	3846-71-7	-
	19	N-N'-ditolyl-para-phenylenediamine		
		N-N'-ditolyl-para-phenylenediamine	27417-40-9	
	20	2-4-6 tri-tert-butylphenol		
		2-4-6 tri-tert-butylphenol	732-26-3	
	21	Mylex		
		Dodeca chloropentacyclo [5.3.0.0 (2,6) .0 (3,9) .0 (4,8)] decane (aka Mylex)	2385-85-5	
	22	Polycyclic aromatic hydrocarbon (PAHS)		
		Benzo [a] pyrene	50-32-8-	
		Benzo [e] pyrene	192-97-2	
		Benzo [a] anthracene	56-55-3	
		Chrysen	218-01-9	
		Benzo [b] fluoranthene	205-99-2	
		Benzo [i] fluoranthene	205-82-3	
		Benzo [k] fluoranthene	207-08-9	
		Dibenzo [a.h] anthracene	53-70-3	
	23	Dimethyl fumarate (dimethyl fumarate)		
		Dimethyl fumarate (dimethyl fumarate)	624-49-7	
Halogenated organic compounds	24	Hexabromocyclododecane (HBCD)		
		Hexabromocyclododecane (HBCD)	25637-99-4	

VOC	25	Hexachlorobenzene		
		Hexachlorobenzene	118-74-1	

Attachment Table 3 List of Substances Subject to Survey on Reduced Substances

	No.	Substance group / Exemplary substance name	CAS No.	Metal conversion factor
Metals and metal compounds	1	Hexachlorobenzene		
		Nickel oxide	1313-99-1	0.786
			3333-67-3	0.494
			7786-81-4	0.379
		Nickel	7440-02-0	1.000
		Other nickel compounds	-	-
VOC	2	Paradichlorobenzene		
		Paradichlorobenzene	106-46-7	-
Metals and metal compounds	3	Arsenic and its compounds		
		Arsenic pentoxide	1303-28-2	0.652
		Arsenic trioxide	1327-53-3	0.757
Halogenated organic compounds	4	Perfluorooctanoic acid (PFOA), its salt and its ester		
		Perfluorooctanoic acid	335-67-1	-
		Ammonium pentadecafluorooctanoate	3825-26-1	-
		Sodium pentadecafluorooctanoate	335-95-5	-
		Potassium perfluorooctanoate	2395-00-8	-
		Perperfluorooctanoic acid silver (II)	335-93-3	-
		Pentadecafluorooctanoyl fluoride	335-66-0	-
		Methyl pentafluorooctanoate	376-27-2	-
	5	Polyvinyl chloride (PVC), PVC mixture, copolymer thereof		
		Polyvinyl chloride	9002-86-2	-
		Chlorinated polyvinyl chloride	68648-82-8	-
	Other PVC mixture, copolymer	-	-	
VOC	6	Formaldehyde		
		Formaldehyde	50-00-0	-
Others	7	Phthalate esters		
		Butyl benzyl phthalate (BBP)	85-68-7	-
		Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	-
		Di-n-butyl phthalate (DBP)	84-74-2	-
		Diisobutyl phthalate (DIBP)	84-69-5	-
		Diisononyl phthalate	28553-12-0	-
	Dipentyl phthalate	131-18-0	-	

		Diisopentyl phthalate (DIPP)	605-50-5	-
		Dioctyl phthalate	117-84-0	-
		Phthalic acid bis (2-methoxyethyl)	117-82-8	-
		Diisodecyl phthalate	26761-40-0	-
	8	Tris (2-chloroethyl) phosphate		
		Tris (2-chloroethyl) phosphate	115-96-8	-
	9	Cobalt and its compounds		
		Cobalt chloride	7646-79-9	0.454
10	Ceramic fiber			
	Aluminosilicate refractory ceramic fiber	JAMP—SN0007		
	Refractory ceramic fiber of zirconia aluminosilicate	JAMP—SN0055		
Metals and metal compounds	11	Beryllium and its compounds		
		Beryllium	7440-41-7	1.000
		Beryllium oxide	1304-56-9	-