

**Nitto Group Prohibited Chemical Substances or Substance Groups Version 5.01**

Chemical Substance or Substance Group	Threshold Level	Analysis Data	Remarks (Regulations used as a guide for identification of substances, not for application purposes)	Examples
<b>Substances included on the list in Certificate for Non-Use of Prohibited Chemical Substances in Delivered Products</b>				
Asbestos	No intentional addition and < 1000ppm	Required	EU REACH Annex XVII Analysis required only for mineral raw materials that may contain asbestos, such as talc	Table A
Certain azo dyes/ pigments (producing specific amines)	No intentional addition	N/A	EU REACH Annex XVII	
Cadmium and cadmium compounds	No intentional addition and < 5 ppm as cadmium	Required	2011/65/EU (EU RoHS2 Directive)	
Hexavalent chromium compounds	No intentional addition and < 100 ppm as hexavalent chromium	Required	2011/65/EU (EU RoHS2 Directive)	
Lead and lead compounds	No intentional addition and < 100 ppm as lead	Required	2011/65/EU (EU RoHS2 Directive)	
Mercury and mercury compounds	No intentional addition and < 100 ppm as mercury	Required	2011/65/EU (EU RoHS2 Directive)	
Polybrominated biphenyls (PBBs)	No intentional addition and < 100 ppm as PBB	Required	2011/65/EU (EU RoHS2 Directive)	
Polybrominated diphenyl ethers (PBDEs)	No intentional addition and < 100 ppm as PBDE	Required	2011/65/EU (EU RoHS2 Directive)	
Ozone depleting substances	No intentional addition	N/A	Montreal Protocol Prohibiting use in manufacturing processes also	
Bis(2-ethylhexyl) phthalate (DEHP)	No intentional addition and < 1000 ppm	Required	2011/65/EU (EU RoHS2 Directive)	
Dibutyl phthalate (DBP)	No intentional addition and < 1000 ppm	Required	2011/65/EU (EU RoHS2 Directive)	
Butyl benzyl phthalate (BBP)	No intentional addition and < 1000 ppm	Required	2011/65/EU (EU RoHS2 Directive)	
Diisobutyl phthalate (DIBP)	No intentional addition and < 1000 ppm	Required	2011/65/EU (EU RoHS2 Directive)	
Total of phthalate esters of 4 substances (DEHP, DBP, BBP, DIBP specified in EU RoHS (II) Directive Annex 2)	No intentional addition and < 1000 ppm in total for 4 substances	N/A	EU REACH Annex XVII	
Polychlorinated biphenyls (PCBs)	No intentional addition	N/A	Stockholm Convention on POPs Annex A Class-I Specified Chemical Substances set forth in the Chemical Substance Control Law (CSCL): Abbreviation for the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, Etc.	
Polychlorinated terphenyls (PCTs)	No intentional addition	N/A	EU REACH Annex XVII	
Polychlorinated naphthalenes (Cl =>2)	No intentional addition	N/A	JCSCL Class-I Specified Chemical Substances	
Radioactive substances	No intentional addition	N/A	Excluding analytical instruments using radioisotopes	
Short chain chlorinated paraffins (C10 - C13)	No intentional addition	N/A	Stockholm Convention on POPs Annex A JCSCL Class-I Specified Chemical Substances	
Bis (tributyltin) oxide (TBTO)	No intentional addition	N/A	EU REACH Annex XVII JCSCL Class-I Specified Chemical Substances	
Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances	No intentional addition, and < 25ppb (for PFOA-related substances, < 1000 ppb)	N/A	Stockholm Convention on POPs Annex A EU POPs Annex I	
Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related substances	No intentional addition, and < 25ppb (for PFHxS-related substances, < 1000 ppb)	N/A	Stockholm Convention on POPs Annex A EU POPs Annex I	
C9-14Perfluorocarboxylic acids (PFCAs), its salts and C9-14PFCA-related substances	No intentional addition, and < 25ppb (for C9-14PFCA-related substances, < 260 ppb)	N/A	EU REACH Annex XVII	
Tri-substituted organostannic compounds (containing TBTs & TPTs)(note 1)	No intentional addition	N/A	EU REACH Annex XVII JCSCL Class-II Specified Chemical Substances	
Perfluorooctanesulfonate and its salts (PFOS)	No intentional addition	N/A	Stockholm Convention on POPs Annex B JCSCL Class-I Specified Chemical Substances	
Beryllium oxide	No intentional addition	N/A	2002/96/EC (EU/WEEE Directive)	
Cobalt chloride (II)	No intentional addition	N/A	EU REACH Annex XVII Humidity indicators in desiccant (silica gel, etc.) only	
Dimethyl fumarate (DMF)	No intentional addition	N/A	EU REACH Annex XVII	
Designated benzotriazole	No intentional addition	N/A	JCSCL Class-I Specified Chemical Substances CAS RN® 3846-71-7 only	
Packaging materials purchased as materials (Meets the threshold of the substance listed in Certificate for Non-Use of Prohibited Chemical Substances in Delivered Products and also meets the threshold shown on the right)	The sum of heavy metal concentrations of lead, cadmium, mercury, and hexavalent chromium < 100 ppm by weight	Required	04/62/EC (EU Directive on Packaging and Packaging Waste) Total of each homogeneous material component (e.g. resins, ink, and paint)	
Triphenylphosphine isopropylated (PIP (3:1))	No intentional addition	N/A	U.S. The Toxic Substances Control Act (TSCA)	
Pentachloro benzenethiol (PCTP)	No intentional addition	N/A	U.S. The Toxic Substances Control Act (TSCA)	
Methoxychlor	No intentional addition	N/A	Stockholm Convention on POPs Annex A	
Dechlorane Plus	No intentional addition	N/A	Stockholm Convention on POPs Annex A	
UV-328	No intentional addition	N/A	Stockholm Convention on POPs Annex A	

<b>Other substances</b>				
Prohibited Substances Specified by Nitto Gr.	No intentional addition, or < 1000 ppm	N/A	-	Table B-1
Single Convention on Narcotic Drugs	No intentional addition	N/A	Chemical substances included in the List of Narcotic Drugs under International Control (Yellow List)	
Convention on Psychotropic Substances	No intentional addition	N/A	Chemical substances included in the List of Psychotropic Substances under International Control (Green List)	
Class-I Specified Chemical Substances set forth in CSCL	No intentional addition	N/A	-	Table B-2
Production banned substances set forth in the Industrial Health and Safety Act. in Japan	No intentional addition	N/A	Article 16 of the Order for Enforcement of the Industrial Safety and Health Act. in Japan	
Specified chemical substances set forth in the Poisonous and Deleterious Substances Control Law in Japan	No intentional addition	N/A	Article 2, Appended Table No. 3 of the Poisonous and Deleterious Substances Control Law in Japan Article 3 of Cabinet Order for the Designation of the Poisonous and Deleterious Substances specified Ordinance in Japan	
Prohibited substances listed in the GADSL	No intentional addition	—		Table B-3

(note 1) TBTs: Tributyltins; TPTs: Triphenyltins

\* Please refer to page 2 and after for examples of substances.

**Nitto Group Examples of Prohibited Substances Ver 5.01**

\* This list shows examples of substances. Any substance not included on this list but classified as "Chemicals or Substance Group" shall be prohibited.

**Substances included on the list in Certificate for Non-Use of Prohibited Chemical Substances in Delivered Products**  
**Table A. Substances included on the list for Certificate of Non-Use of Prohibited Chemical Substances in Delivered Products**

Chemicals or Substance Group	Substance Name	CAS Registry Number™ (CAS RN®)	Threshold Level	Metal Conversion Factor
Asbestos	Actinolite	77536-66-4	No intentional addition and < 1000ppm	-
	Amosite	12172-73-5		-
	Anthophyllite	77536-67-5		-
	Chrysotile	12001-29-5		-
	Crocidolite	12001-28-4		-
	Tremolite	77536-68-6		-
Azo Colorants	Asbestos	1332-21-4	No intentional addition	-
	4-aminobiphenyl	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		-
Cadmium and Cadmium Compounds	o-toluidine	95-53-4	No intentional addition and < 5 ppm as cadmium	-
	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		-
	Cadmium	7440-43-9		1.000
Hexavalent Chromium Compounds	Cadmium oxide	1306-19-0	No intentional addition and < 100 ppm as hexavalent chromium	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	-		-
	Sodium dichromate	10588-01-9		0.397
	Chromium(VI) oxide	1333-82-0		0.520
	Calcium chromate	13765-19-0		0.333
	Lead(II) 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
Lead and Lead Compounds	Sodium chromate	7775-11-3	No intentional addition and < 100 ppm as lead	0.321
	Strontium chromate	7789-06-2		0.255
	Zinc chromate	13530-65-9		0.287
	Other hexavalent chromium compounds	-		-
	Lead	7439-92-1		1.000
	Lead(II) carbonate	598-63-0		0.775
	Lead(IV) oxide	1309-60-0		0.866
	Lead(II,IV) oxide	1314-41-6		0.907
	Lead(II) sulfide	1314-87-0		0.866
	Lead(II) oxide	1317-36-8		0.928
	Lead(II) carbonate basic	1319-46-6		0.801
	Lead hydroxidcarbonate	1344-36-1		0.801
	Lead(II) sulfate	7446-14-2		0.683
	Lead(II) phosphate	7446-27-7		0.766
	Lead(II) chromate	7758-97-6		0.641
	Lead(II) titanate	12060-00-3		0.686
	Lead sulfate,sulphuric acid, lead salt	15739-80-7		1.000
	Lead sulphate,tribasic	12202-17-4		0.850
Lead stearate	1072-35-1	0.268		
Lead stearate,dibasic	56189-09-4	0.410		
Lead acetate	301-04-2	0.637		
Lead ( II ) acetate, trihydrate	6080-56-4	0.546		
Lead selenide	12069-00-0	0.724		
Other lead compounds	-	-		
Mercury and Mercury Compounds	Mercury	7439-97-6	No intentional addition and < 100 ppm as mercury	1.000
	Mercury(II) chloride	7487-94-7		0.739
	Mercury(II) oxide	21908-53-2		0.926
	Mercuric chloride	33631-63-9		-
	Mercuric sulfate	7783-35-9		0.676
	Mercuric nitrate	10045-94-0		0.618
	Mercuric sulfide	1344-48-5		0.862
Other mercury compounds	-	-		

Polybrominated Biphenyls (PBBs)	2-Bromobiphenyl	2052-07-5	No intentional addition and < 100 ppm as PBB	-	
	3-Bromobiphenyl	2113-57-7		-	
	4-Bromobiphenyl	92-66-0		-	
	Dibromobiphenyl	92-86-4		-	
	Tetrabromobiphenyl	40088-45-7		-	
	Hexabromobiphenyl	59080-40-9		-	
	Hexabromobiphenyl	36355-01-8		-	
	Hexabromobiphenyl	67774-32-7		-	
	Octabromobiphenyl	61288-13-9		-	
	Decabromobiphenyl	13654-09-6		-	
	Polybrominated Biphenyls	59536-65-1		-	
	Bromobiphenyl ether	101-55-3		No intentional addition and < 100 ppm as PBDE	-
	Dibromobiphenyl ether	2050-47-7			-
Tribromobiphenyl ether	49690-94-0	-			
Tetrabromobiphenyl ether	40088-47-9	-			
Pentabromobiphenyl ether	32534-81-9	-			
Hexabromobiphenyl ether	36483-60-0	-			
Heptabromobiphenyl ether	68928-80-3	-			
Octabromobiphenyl ether	32536-52-0	-			
Nonabromobiphenyl ether	63936-56-1	-			
Decabromobiphenyl ether	1163-19-5	-			
Polybrominated Biphenyl Ethers (PBDEs)	-	-			
Ozone Depleting Substances	Trichlorofluoromethane (CFC-11)	75-69-4	No intentional addition		-
	Dichlorodifluoromethane (CFC12)	75-71-8			-
	1,1,1-Trichloro-2,2,2-Trifluoroethane (CFC-113a)	354-58-5		-	
	1,1,2-Trichloro-1,2,2-Trifluoroethane (CFC-113)	76-13-1		-	
	1,2-Dichloro-1,1,2,2-Tetrafluoroethane (CFC-114)	76-14-2		-	
	Chloropentafluoroethane (CFC-115)	76-15-3		-	
	Bromochlorodifluoromethane (Halon 1211)	353-59-3		-	
	Bromotrifluoromethane (Halon 1301)	75-63-8		-	
	Dibromotetrafluoroethane (Halon 2402)	124-73-2		-	
	Chlorotrifluoromethane (CFC-13)	75-72-9		-	
	Pentachlorofluoroethane (CFC-111)	354-56-3		-	
	Tetrachlorodifluoroethane (CFC-112)	76-12-0		-	
	Heptachlorofluoropropane (CFC-211)	422-78-6		-	
	Heptachlorofluoropropane (CFC-211)	135401-87-5		-	
	Hexachlorodifluoropropane (CFC-212)	3182-26-1		-	
	Pentachlorotrifluoropropane (CFC-213)	2354-06-5		-	
	Pentachlorotrifluoropropane (CFC-213)	134237-31-3		-	
	Tetrachlorotetrafluoropropane (CFC-214)	29255-31-0		-	
	1,1,1,3-Tetrachlorotetrafluoropropane (CFC-214)	2268-46-4		-	
	Trichloropentafluoropropane (CFC-215)	1599-41-3		-	
	1,1,1-Trichloropentafluoropropane (CFC-215)	4259-43-2		-	
	1,2,3-Trichloropentafluoropropane (CFC-215)	76-17-5		-	
	Dichlorohexafluoropropane (CFC-216)	661-97-2		-	
	Monochloroheptafluoropropane (CFC-217)	422-86-6		-	
	Carbon Tetrachloride (Tetrachloromethane)	56-23-5		-	
	1,1,1-Trichloroethane(methylchloroform) and its isomers except 1,1,2-trichloroethane	71-55-6		-	
	Bromomethane (Methyl Bromide)	74-83-9		-	
	Bromodifluoromethane and isomers (HBFCs)	1511-62-2		-	
	Dichlorofluoromethane (HCFC-21)	75-43-4		-	
	Chlorodifluoromethane (HCFC-22)	75-45-6		-	
	Chlorofluoromethane (HCFC-31)	593-70-4		-	
	Tetrachlorofluoroethane (HCFC-121)	134237-32-4		-	
	1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)	354-11-0		-	
	1,1,2-Tetrachloro-1-fluoroethane (HCFC-121a)	354-14-3		-	
	Trichlorodifluoroethane (HCFC-122)	41834-16-6		-	
	1,1,2-Trichloro-1,1-difluoroethane (HCFC-122)	354-21-2		-	
	Dichlorotrifluoroethane (HCFC-123)	34077-87-7		-	
	Dichloro-1,1,2-trifluoroethane (HCFC-123)	90454-18-5		-	
	2,2-dichloro-1,1,1-trifluoroethane (HCFC-123)	306-83-2		-	
	1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)	354-23-4		-	
	1,1-dichloro-1,2,2-trifluoroethane (HCFC-123b)	812-04-4		-	
	Chlorotetrafluoroethane (HCFC-124)	63938-10-3		-	
	2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	2837-89-0		-	
	1-chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)	354-25-6		-	
	Trichlorofluoroethane (HCFC-131)	27154-33-2		-	
	Trichlorofluoroethane (HCFC-131)	134237-34-6		-	
	1-Fluoro-1,2,2-trichloroethane	359-28-4		-	
	1,1,1-trichloro-2-fluoroethane (HCFC-131b)	811-95-0		-	
	Dichlorodifluoroethane (HCFC-132)	25915-78-0		-	
	1,2-dichloro-1,1-difluoroethane (HCFC-132b)	1649-08-7		-	
	1,1-dichloro-1,2-difluoroethane (HCFC-132c)	1842-05-3		-	
	1,1-dichloro-2,2-difluoroethane (HCFC-132c)	471-43-2		-	
	1,2-dichloro-1,2-difluoroethane (HCFC-132c)	431-06-1		-	
	Chlorotrifluoroethane (HCFC-133)	1330-45-6		-	
	1-chloro-1,2,2-trifluoroethane (HCFC-133)	431-07-2		-	
	2-chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7		-	
	Dichlorofluoroethane (HCFC-141)	25167-88-8		-	
	1,1-dichloro-1-fluoroethane (HCFC-141b)	1717-00-6		-	
	1,2-dichloro-1-fluoroethane	430-57-9		-	
	Chlorodifluoroethane (HCFC-142)	25497-29-4		-	
	1-chloro-1,1-difluoroethane (HCFC-142b)	75-68-3		-	
	Hexachlorofluoropropane (HCFC-221)	134237-35-7		-	
	Pentachlorodifluoropropane (HCFC-222)	134237-36-8		-	
	Tetrachlorotrifluoropropane (HCFC-223)	134237-37-9		-	
	Trichlorotetrafluoropropane (HCFC-224)	134237-38-0		-	
	Dichloropentafluoropropane, (Ethyne, fluoro) (HCFC-225)	127564-92-5		-	

	Dichloropentafluoropropane, (Ethyne, fluoro) (HCFC-225)	2713-09-9		-
	2,2-dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)	128903-21-9		-
	2,3-dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)	422-49-0		-
	1,2-dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)	422-42-6		-
	3,3-dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	422-56-0		-
	1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	507-55-1		-
	1,1-dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)	13474-88-9		-
	1,2-dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)	431-86-7		-
	1,3-dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)	136013-79-1		-
	1,1-dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)	111512-56-2		-
	Chlorohexafluoropropane (HCFC-226)	134303-72-8		-
	Pentachlorofluoropropane (HCFC-231)	134190-48-0		-
	Tetrachlorodifluoropropane (HCFC-232)	134237-39-1		-
	Trichlorotrifluoropropane (HCFC-233)	134237-40-4		-
	1,1,1-trichloro-3,3,3-trifluoropropane	7125-83-9		-
	Dichlorotetrafluoropropane (HCFC-234)	127564-83-4		-
	Chloropentafluoropropane (HCFC-235)	134237-41-5		-
	1-chloro-1,1,3,3,3-pentafluoropropane	460-92-4		-
	Tetrachlorofluoropropane (HCFC-241)	134190-49-1		-
	Trichlorodifluoropropane (HCFC-242)	134237-42-6		-
	Dichlorotrifluoropropane (HCFC-243)	134237-43-7		-
	1,1-dichloro-1,2,2-trifluoropropane	7125-99-7		-
	2,3-dichloro-1,1,1-trifluoropropane	338-75-0		-
	3,3-dichloro-1,1,1-trifluoropropane	460-69-5		-
	chlorotetrafluoropropane (HCFC-244)	134190-50-4		-
	3-chloro-1,1,2,2-tetrafluoropropane	679-85-6		-
	Trichlorofluoropropane (HCFC-251)	134190-51-5		-
	1,1,3-trichloro-1-fluoropropane	818-99-5		-
	Dichlorodifluoropropane (HCFC-252)	134190-52-8		-
	Chlorotrifluoropropane (HCFC-253)	134237-44-8		-
	3-chloro-1,1,1-trifluoropropane (HCFC-253fb)	460-35-3		-
	Dichlorofluoropropane (HCFC-261)	134237-45-9		-
	1,1-dichloro-1-fluoropropane	7799-56-6		-
	Chlorodifluoropropane (HCFC-262)	134190-53-7		-
	2-chloro-1,3-difluoropropane	102738-79-4		-
	Chlorofluoropropane (HCFC-271)	134190-54-8		-
	2-chloro-2-fluoropropane	420-44-0		-
Bis(2-ethylhexyl) phthalate (DEHP)	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	No intentional addition and < 1000 ppm	-
Dibutyl phthalate (DBP)	Dibutyl phthalate (DBP)	84-74-2	No intentional addition and < 1000 ppm	-
Butyl benzyl phthalate (BBP)	Butyl benzyl phthalate (BBP)	85-68-7	No intentional addition and < 1000 ppm	-
Diisobutyl phthalate (DIBP)	Diisobutyl phthalate (DIBP)	84-69-5	No intentional addition and < 1000 ppm	-
Total of phthalate esters of 4 substances (DEHP, DBP, BBP, DIBP specified in EU RoHS (II) Directive Annex 2)	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	No intentional addition and < 1000 ppm in total for 4 substances	-
	Dibutyl phthalate (DBP)	84-74-2		
	Butyl benzyl phthalate (BBP)	85-68-7		
	Diisobutyl phthalate (DIBP)	84-69-5		
Polychlorinated Biphenyls (PCBs)	Polychlorinated biphenyls	1336-36-3	No intentional addition	-
	Aroclor	12767-79-2		
	Chlorodiphenyl (Aroclor 1260)	11096-82-5		
	Kanechlor 500	27323-18-8		
	Aroclor 1254	11097-69-1		
Polychlorinated terphenyls (PCTs)	Polychlorinated terphenyls	61788-33-8	No intentional addition	-
Polychloronaphthalenes (Cl=>2)	Polychlorinated Naphthalenes (Cl $\geq$ 3)	70776-03-3	No intentional addition	-
	Other polychlorinated Naphthalenes	-		
Radioactive Substances	Uranium	-	No intentional addition	-
	Plutonium	-		
	Radon	-		
	Americium	-		
	Thorium	-		
	Cesium	7440-46-2		
	Strontium	7440-24-6		
	Other radioactive substances	-		
	Short Chain Chlorinated Paraffins	Chlorinated paraffine (C10-13) 1.		
Alkanes, C10-12, chloro		108171-26-2		
Alkanes, C12-13, chloro		71011-12-6		
Undecane, 1,1,1,3,5,7,9,11,11-nonachloro-		18993-26-5		
Undecane, heptachloro-		219697-10-6		
Undecane, nonachloro-		219697-11-7		
Undecane, 1,2,10,11,?,?,-octachloro-		221174-07-8		
Undecane, decachloro-		276673-33-7		
Undecane, octachloro-		36312-81-9		
Undecane, 1,1,1,3,6,7,10,11-octachloro-		601523-20-0		
Undecane, 1,1,1,3,9,11,11,11-octachloro-		601523-25-5		
Alkanes, chloro		61788-76-9		
Other Short Chain Chlorinated Paraffins		-		
Tributyl Tin Oxide (TBTO)	Bis(tri-n-butyltin) oxide	56-35-9	No intentional addition	-

Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances	Perfluorooctanoic acid	335-67-1	No intentional addition, and < 25ppb (for PFOA-related substances, < 1000 ppb)	-
	Ammonium perfluorooctanoate	3825-26-1		-
	Ethylperfluorooctanoate	3108-24-5		-
	Methyl perfluorooctanoate	376-27-2		-
	Pentadecafluorooctyl fluoride	335-66-0		-
	Potassium perfluorooctanoate	2395-00-8		-
	Silver(1+) perfluorooctanoate	335-93-3		-
	Sodium perfluorooctanoate	335-95-5		-
	Perfluorooctylethyltriethoxysilane	101947-16-4		-
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-4-(trifluoromethyl)-	1144512-18-4		-
	Hexanoic acid, 2,2,3,3,4,4,5,5,6,6,6-nonafluoro-5,5-bis(trifluoromethyl)-	1144512-34-4		-
	Hexanoic acid, 2,2,3,4,4,5,5,6,6-nonafluoro-3,5-bis(trifluoromethyl)-	1144512-35-5		-
	Hexanoic acid, 2,2,3,3,4,4,5,5,6,6-nonafluoro-4,5-bis(trifluoromethyl)-	1144512-36-6		-
	2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, alpha-(2-methyl-1-1-oxo-2-2-10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuoropropenyl)-omega-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1, 2-ethanediyl), 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,hexadecyl 2-propenoate, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,25-triacontafuorooctadecyl 2-propenoate	116984-14-6		-
	Hexanoic acid, 2,2,3,3,5,5,6,6,6-nonafluoro-4,4-bis(trifluoromethyl)-	1192593-79-5		-
	Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, sodium salt (1:1)	1195164-59-0		-
	Poly(oxy-1,2-ethanediyl), .alpha.-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11,11-heptadecafluoro-2-hydroxyundecyl)-.omega.-[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)oxy]-	122402-79-3		-
	Isooctanoic acid, pentadecafluoro-	123116-17-6		-
	Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, ammonium salt (1:1)	13058-06-5		-
	1,3-Propanediol, 2,2-bis(gamma-omega- perfluoro-C4-10-alkyl)thiomethyl derivs., phosphates, ammonium salts	148240-85-1		-
	1,3-Propanediol, 2,2-bis(gamma-omega- perfluoro-C6-12-alkyl)thiomethyl derivs., phosphates, ammonium salts	148240-87-3		-
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-	15166-06-0		-
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, aluminum salt (3:1)	15715-47-6		-
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, chromium salt (1:x)	15739-82-9		-
	2-Propenoic acid, C16-18-alkyl esters, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl acrylate	160336-09-4		-
	2-(Perfluorodecyl) ethyl acrylate	17741-60-5		-
	Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, sodium salt (1:1)	18017-22-6		-
	Hexanoic acid, 3,3,4,4,5,5,6,6,6-nonafluoro-2,2-bis(trifluoromethyl)-	1812247-17-8		-
	Hexanoic acid, 2,3,4,4,5,5,6,6,6-nonafluoro-2,3-bis(trifluoromethyl)-	1812247-18-9		-
	Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-nonafluoro-2,4-bis(trifluoromethyl)-	1812247-19-0		-
	Hexanoic acid, 2,2,4,4,5,5,6,6,6-nonafluoro-3,3-bis(trifluoromethyl)-	1812247-20-3		-
	Trisiloxane, 3,3'-(3,3,4,4,5,5,6,6,7,7,8,8-dodecafluoro-1,10-decanediyl)bis[3-[(dimethylsilyl)oxy]-1,1,5,5-tetramethyl-, reaction products with 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-1-undecene	185701-89-7		-
	Butanoic acid, 3,3,4,4,4-pentafluoro-2,2-bis(1,1,2,2,2-pentafluoroethyl)-	1882109-58-1		-
	Butanoic acid, 3,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-2-(trifluoromethyl)-	1882109-59-2		-
	Butanoic acid, 2,3,3,4,4,4-hexafluoro-2-[2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl]-	1882109-60-5		-
	Butanoic acid, 2,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-3-(trifluoromethyl)-	1882109-61-6		-
	Butanoic acid, 4,4,4-trifluoro-2,2,3,3-tetrakis(trifluoromethyl)-	1882109-62-7		-

Pentanoic acid, 3,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-	1882109-63-8	-
Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-	1882109-64-9	-
Pentanoic acid, 2,3,3,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-	1882109-65-0	-
Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-	1882109-66-1	-
Pentanoic acid, 2,2,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-	1882109-67-2	-
Pentanoic acid, 2,2,3,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-	1882109-68-3	-
(NOT YET ASSIGNED)	1882109-69-4	-
Pentanoic acid, 3,3,4,5,5,5-hexafluoro-2,2,4-tris(trifluoromethyl)-	1882109-70-7	-
Pentanoic acid, 2,4,4,5,5,5-hexafluoro-2,3,3-tris(trifluoromethyl)-	1882109-71-8	-
Pentanoic acid, 2,3,4,5,5,5-hexafluoro-2,3,4-tris(trifluoromethyl)-	1882109-72-9	-
Pentanoic acid, 2,3,3,5,5,5-hexafluoro-2,4,4-tris(trifluoromethyl)-	1882109-73-0	-
Pentanoic acid, 2,2,4,5,5,5-hexafluoro-3,3,4-tris(trifluoromethyl)-	1882109-74-1	-
Pentanoic acid, 2,2,3,5,5,5-hexafluoro-3,4,4-tris(trifluoromethyl)-	1882109-75-2	-
Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-	1882109-76-3	-
Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-(1,1,2,2,3,3,3-heptafluoropropyl)-	1882109-77-4	-
Hexanoic acid, 2,2,3,4,4,5,5,6,6,6-decafluoro-3-(1,1,2,2,2-pentafluoroethyl)-	1882109-78-5	-
Hexanoic acid, 2,2,3,3,4,5,5,6,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)-	1882109-79-6	-
Hexanoic acid, 2,3,3,4,4,5,6,6,6-nonafluoro-2,5-bis(trifluoromethyl)-	1882109-80-9	-
Hexanoic acid, 2,2,3,4,5,5,6,6,6-nonafluoro-3,4-bis(trifluoromethyl)-	1882109-81-0	-
bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-1-dodecanol),hydrogen phosphate	1895-26-7	-
Heptanoic acid,2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, ammonium salt (1:1)	19742-57-5	-
8:2 Fluorotelomer methacrylate	1996-88-9	-
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iododecane	2043-53-0	-
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-12-iodododecan	2043-54-1	-
Cyclotetrasiloxane, 2-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoroundecyl)-2,4,6,8-tetramethyl-, Si-[3-(oxiranylmethoxy)propyl] derivs	206886-57-9	-
Heptanoic acid, 2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-2-(trifluoromethyl)-	207678-51-1	-
2-(Perfluorodecyl) ethyl methacrylate	2144-54-9	-
8:2 Fluorotelomer olefin or 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decene	21652-58-4	-
3,4-bis[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino] benzenesulphonyl chloride or 3,4-Bis(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctylamino) benzenesulfonyl chloride	24216-05-5	-
Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-	27854-31-5	-
8:2 Fluorotelomer acrylate	27905-45-9	-
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, potassium salt (1:1)	29457-73-6	-
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-1-dodecene	30389-25-4	-
Perfluorodecyldichloromethylsilane	3102-79-2	-
2-Propenoic acid, 2-methyl-, methyl ester, telomere with 1-dodecanethiol, 2-ethylhexyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and 2-Propenoic acid	321318-71-2	-
Tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]phosphine	325459-92-5	-
bis[tris(4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl)phosphine] palladium(ii) dichloride	326475-46-1	-
Pentadecafluorooctanoic anhydride	33496-48-9	-
Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-	35605-76-6	-

2-carboxyethylbis(2-hydroxyethyl)-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino] propylammonium hydroxide	39186-68-0	-
Per- and polyfluorinated phosphonic acids; Perfluorooctyl phosphonic acid; C8-PFPA	40143-78-0	-
Bis(perfluorooctyl) phosphinic acid	40143-79-1	-
N-[3-[bis(2-hydroxyethyl)amino]propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamide	41358-63-8	-
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl group]-terminated, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol- and 2-hydroxyethyl acrylate-blocked 2,4-TDI-trimethylolpropane polymer	501098-09-5	-
Perfluorooctyl iodide	507-63-1	-
2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, polymer with 2-propenoic acid	53515-73-4	-
1-Propanaminium,N,N,N-trimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, chloride	53517-98-9	-
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuorododecanoic acid	53826-13-4	-
8:2 Fluorotelomer phosphate monoester	57678-03-2	-
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuoro-1-dodecanol,1-(dihydrogen phosphate)	57678-05-4	-
Perfluorohexylperfluorooctyl phosphinate	610800-34-5	-
Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, iron salt (1:x)	61436-04-2	-
Poly(difluoromethylene), $\alpha$ -fluoro- $\omega$ -[2-[[2-(trimethylammonio)ethyl]thio]ethyl]-, methyl sulfate	65530-57-6	-
Poly(difluoromethylene),alpha-fluoro-omega-2-(phosphonoxy)ethyl-	65530-61-2	-
Poly(difluoromethylene), alpha,alpha-phosphinico bis(oxy-2,1-ethanediyl) bis-omega-fluoro-	65530-62-3	-
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecan-1-ol	678-39-7	-
8:2 Fluorotelomer phosphate diester	678-41-1	-
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+)	68141-02-6	-
Fatty acids, C7-13, perfluoro	68333-92-6	-
Fatty acids, C7-13, perfluoro, compds. with ethylamine	69278-80-4	-
Heptanoic acid, 2,2,3,4,4,5,5,6,6,7,7,7-dodecafluoro-3-(trifluoromethyl)-	705240-04-6	-
2-Decenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluoro-	70887-84-2	-
3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-icosafuorododec-2-enoic acid	70887-94-4	-
Pentanoic acid, 4,4-bis(gamma-omega-perfluoro-C8-20-alkyl)thio derivs., compds.with diethanolamine or 4,4-Bis[( $\gamma$ - $\omega$ -perfluoro-alkyl (C=8-20)) thio] pentanoic acid derivs. compds.with diethanolamine	71608-61-2	-
Fatty acids, C6-18, perfluoro, ammonium salts	72623-77-9	-
Carboxylic acids, C7-13, perfluoro, ammonium salts	72968-38-8	-
Perfluorodecyldimethylchlorosilane	74612-30-9	-
Perfluorodecyltrichlorosilane	78560-44-8	-
Poly(difluoromethylene),alpha-fluoro-omega-(2-sulfoethyl)-	80010-37-3	-
Heptadecafluoro-1,1,2,2-tetrahydrodecyl) trimethoxy silane	83048-65-1	-
heptadecafluoro-1-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]nonene	84029-60-7	-
N-(3-aminopropyl)-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamide	85938-56-3	-
1,1,2,2-Tetrahydroperfluoro dodecanol	865-86-1	-
1-Propanesulfonic acid,3-[ethyl(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-,sodium salt	89685-61-0	-
Octanoic acid, pentadecafluoro-,mixed esters with 2,2'-[1,4-butanediylbis(oxyethylene)]bis[oxirane] and 2,2'-[1,6-Hexanediylbis(oxyethylene)]bis[oxirane]	90480-57-2	-
Amides, C7-19,alpha-omega-perfluoro--N,N-bis(hydroxyethyl)	90622-99-4	-
Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-5-(trifluoromethyl)-	909009-42-3	-
Fatty acids, C7-19, perfluoro	91032-01-8	-
Poly(oxy-1,2-ethanediyl), $\alpha$ -[2-[2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]ethyl]- $\omega$ -hydroxy	93480-00-3	-
8:2 Fluorotelomer phosphate monoester ammonium salt	93857-44-4	-
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl phosphate	94200-45-0	-



	Carbamic acid, [2-(sulfothio)ethyl]-,C-(gamma-omega-perfluoro-C6-9-alkyl) esters, monosodium salts	95370-51-7		-
	Ethanaminium, N,N,N-triethyl-, salt with pentadecafluorooctanoic acid (1:1)	98241-25-9		-
	PFOA salts and PFOA-related substances (esters, higher homologues, precursors and polymer of PFOA)	SN0036		-
Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds	Perfluorohexanesulfonic acid, ammonium salt	68259-08-5	No intentional addition, and < 25ppb (for PFHxS-related substances, < 1000 ppb)	-
	Potassium 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	3871-99-6		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)	41184-65-0		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)	41242-12-0		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)	55120-77-9		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt	70136-72-0		-
	Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-16-0		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)	72033-41-1		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt	82382-12-5		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)	92011-17-1		-
	1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid	108427-54-9		-
	Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	108427-55-0		-
	Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	144116-10-9		-
	Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	153443-35-7		-
	Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	189274-31-5		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1)	202189-84-2		-
	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	213740-81-9		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9Cl)	341035-71-0		-
	Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	341548-85-4		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)	350836-93-0		-
	Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	421555-73-9		-
	Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	421555-74-0		-
	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	425670-70-8		-
	Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl)	866621-50-3		-
	Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	910606-39-2		-

Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	911027-68-4	-
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	911027-69-5	-
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	928049-42-7	-
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1000597-52-3	-
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with pyrrolidine (1:1)	1187817-57-7	-
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-24-0	-
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-27-3	-
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-28-4	-
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)	1329995-45-0	-
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)	1329995-69-8	-
Quinolinium, 1-(carboxymethyl)-4-[2-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1462414-59-0	-
1-Hexanesulfonyl bromide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	111393-39-6	-
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-dimethyl-	1270179-82-2	-
1-Hexanesulfonamide, N,N-diethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	1270179-93-5	-
$\beta$ -Alanine, N-[3-(dimethylamino)propyl]-N-[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	141607-32-1	-
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-	1427176-17-7	-
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-bis(2-methoxyethyl)-	1427176-20-2	-
Benzenamine, 4-[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	147029-28-5	-
Fatty acids, C18-unsatd., trimers, 2-[methyl[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl esters	148240-80-6	-
Benzene, 1-fluoro-4-[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	149652-30-2	-
Benzoic acid, 2,3,4,5-tetrachloro-6-[[[3-hydroxyphenyl]amino]carbonyl]-, perfluoro-C6-8-alkanesulfonates (esters), monopotassium salts	160305-97-5	-
2-Propenoic acid, butyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate	160336-17-4	-
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol, Me Et ketone oxime and polymethylenepolyphenylene isocyanate	160901-26-8	-

Fatty acids, C18-unsatd., trimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters	161074-58-4	-
Sulfonamides, C4-8-alkane, perfluoro, N-(3-chloro-2-hydroxypropyl)-N-methyl	1645842-67-6	-
Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene and N-butyl-1-butanamine	1645850-46-9	-
Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene	1645852-09-0	-
Siloxanes and Silicones, di-Me, Bu group- and 3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group-terminated, telomers with acrylic acid, di-Me, Me 3-mercaptopropyl siloxanes, Me acrylate, Me methacrylate and 2-[methyl[(perfluoro-c4-8-alkyl)sulfonyl]amino]ethyl acrylate, 2,2'-(1,2-diazenediyl)bis[2-methylpropanenitrile]-initiated	1645852-10-3	-
2-Propenoic acid, polymers with lauryl acrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate	1648534-82-0	-
Poly(oxy-1,2-ethanediyl), $\alpha$ -[2-(methylamino)ethyl]- $\omega$ -hydroxy-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., C12-16-alkyl ethers	1648539-69-8	-
2-Propenoic acid, 2-(methylamino)ethyl ester, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., polymers with propene	1648540-20-8	-
Benzene, 1-nitro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	171561-95-8	-
1-Hexanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)	178094-71-8	-
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl], potassium salts	179005-06-2	-
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl]	179005-07-3	-
2-Propenoic acid, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	1893-52-3	-
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with poly(Bu acrylate) and polyethylene-polypropylene glycol mono-Bu ether	222716-67-8	-
Pyridinium, 1-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-], inner salt	254889-10-6	-
1-Hexanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	30295-56-8	-
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, telomer with 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate and 1-octanethiol, N-oxides	306977-10-6	-
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-	34455-03-3	-
1-Propanaminium, 3-[(carboxymethyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N,N-trimethyl-, inner salt	38850-52-1	-
1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-3-[[3-sulfopropyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, inner salt	38850-58-7	-
1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-	38850-60-1	-
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	41997-13-1	-
1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	423-50-7	-
2-Propenoic acid, 2-methyl-, 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl ester, polymers with polyethylene glycol acrylate Me ether	504396-13-8	-

1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	50598-28-2	-
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, reaction products with Me Et ketone oxime, 2-mercaptoethanol, 2-[methyl[(perfluoro-C3-8-alkyl)sulfonyl]amino]ethyl acrylate, polymethylenepolyphenylene isocyanate and polypropylene glycol	507225-08-3	-
1-Propanaminium, N,N,N-trimethyl-3-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, chloride (1:1)	52166-82-2	-
1-Hexanesulfonyl chloride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	55591-23-6	-
Poly(oxy-1,2-ethanediyl), $\alpha$ -[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-	56372-23-7	-
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-2-propen-1-yl-	67584-48-9	-
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, potassium salt (1:1)	67584-53-6	-
2-Propenoic acid, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67584-57-0	-
2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67584-61-6	-
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67906-70-1	-
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid	67906-71-2	-
2-Propenoic acid, 2-methyl-, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl ester	67939-61-1	-
1-Hexanesulfonamide, N,N'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	67939-92-8	-
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-(phosphonoxy)ethyl]-	67969-65-7	-
Hexane, 1-(ethenylsulfinyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	680187-85-3	-
Hexane, 1-(ethenylsulfonyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	680187-86-4	-
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-methyloxirane polymer with oxirane di-2-propenoate, 2-methyloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol	68227-87-2	-
2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxypoly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and $\alpha$ -(1-oxo-2-propen-1-yl)- $\omega$ -methoxypoly(oxy-1,2-ethanediyl)	68227-94-1	-

2-Propenoic acid, butyl ester, telomer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxypoly(oxy-1,4-butanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	68227-96-3	-
2-Propenoic acid, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl ester	68227-98-5	-
2-Propenoic acid, ethyl ester, polymer with 4-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-propenoate, $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxypoly(oxy-1,4-butanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxypoly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl 2-propenoate and 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-propenoate	68228-00-2	-
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(4-hydroxybutyl)-N-methyl-	68239-74-7	-
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-	68259-15-4	-
Poly[oxy(methyl-1,2-ethanediyl)], $\alpha$ -[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-	68259-38-1	-
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(phenylmethyl)-	68298-09-9	-
2-Propenoic acid, 2-methyl-, 2-[[[5-[[[2-[ethyl[(tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester (9CI)	68298-74-8	-
2-Propenoic acid, 2-methyl-, 2-[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	68298-78-2	-
Benzenesulfonic acid, [[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]methyl]-, sodium salt (1:1)	68299-21-8	-

2-Propenoic acid, 2-methyl-, 4- [[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]methylamino]butyl ester, telomer with butyl 2-propenoate, 2- [[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2- propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4- nonafluorobutyl)sulfonyl]amino]butyl 2-methyl-2- propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4- nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, $\alpha$ -(2- methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxypoly(oxy-1,4- butanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2- methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4- butanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2- propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]butyl 2-methyl-2- propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 4- [methyl[(1,1,2,2,3,3,4,4,5,5,5- undecafluoropentyl)sulfonyl]amino]butyl 2-methyl-2- propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5- undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	68299-39-8	-
Sulfonic acids, C6-12-alkane, perfluoro, potassium salts	68391-09-3	-
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]-, sodium salt (1:1)	68555-70-4	-
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-N-(2-hydroxyethyl)-N-methyl-	68555-75-9	-
2-Propenoic acid, 2-methyl-, 2- [ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-chloro-1,3-butadiene, 2-[ethyl[(1,1,2,2,3,3,4,4,4- nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2- propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2- propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2- propenoate and 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5- undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2- propenoate	68568-77-4	-
2-Propenoic acid, 2- [[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2- [methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2- propenoate, $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ - hydroxypoly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2- propenyl)- $\omega$ -[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy- 1,2-ethanediyl), 2- [methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl 2- propenoate, 2- [methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl 2- propenoate and 2- [methyl[(undecafluoropentyl)sulfonyl]amino]ethyl 2- propenoate (9CI)	68586-13-0	-
2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, telomer with 2-[methyl[(1,1,2,2,3,3,4,4,4- nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, $\alpha$ -(2- methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxypoly(oxy-1,2- ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2- methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2- ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2- [methyl[(1,1,2,2,3,3,4,4,5,5,5- undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	68586-14-1	-
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N- (hydroxyethyl), reaction products with TDI	68608-13-9	-
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2- propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4- nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2- [methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2- [methyl[(1,1,2,2,3,3,4,4,5,5,5- undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-oxiranylmethyl 2-methyl-2-propenoate	68797-76-2	-

Benzoic acid, 2,3,4,5-tetrachloro-6-[[[3-[[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]oxy]phenyl]amino]carbonyl]-, potassium salt (1:1)	68815-72-5	-
2-Propenoic acid, 2-methyl-, 2-[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[[1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 1-octanethiol and $\alpha$ -(1-oxo-2-propen-1-yl)- $\omega$ -methoxypoly(oxy-1,2-ethanediy)	68867-62-9	-
Chromium, diaquatetrachloro[ $\mu$ -[N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]glycinato- $\kappa$ O: $\kappa$ O]]- $\mu$ -hydroxybis(2-propanol)di-	68891-98-5	-
Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	68957-32-4	-
Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, ethyl ester	68957-53-9	-
1-Propanaminium, N,N,N-trimethyl-3-[[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, iodide (1:1)	68957-58-4	-
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, hydrochloride (1:1)	68957-61-9	-
1-Propanaminium, N,N,N-trimethyl-3-[[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, sulfate (2:1)	70248-52-1	-
2-Propenoic acid, 2-methyl-, 2-[[[2-methyl-5-[[[4-[methyl[[tridecafluorohexyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl ester (9CI)	70900-36-6	-
2-Propenoic acid, 2-methyl-, 2-[[[5-[[[4-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[[[2-methyl-5-[[[4-[methyl[[1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-[methyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-[methyl[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[methyl[[1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	70900-40-2	-
1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-2-hydroxy-, sodium salt (1:1)	73772-32-4	-
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, acetate (1:1)	73772-33-5	-
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-[2-(2-hydroxyethoxy)ethoxy]ethyl]-	73772-34-6	-
Benzene, 1-chloro-4-[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	76848-59-4	-

	1H-Benzimidazolium, 1,3-diethyl-2-methyl-5-[[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, 4-methylbenzenesulfonate (1:1)	76848-68-5		-
	1-Propanesulfonic acid, 3-[methyl[3-[[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]propyl]amino]-, sodium salt (1:1)	80621-17-6		-
	1-Propanaminium, N-(2-hydroxyethyl)-3-[(2-hydroxy-3-sulfopropyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N-dimethyl-, hydroxide, sodium salt (1:1:1)	81190-38-7		-
	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-propyl-	85665-64-1		-
	Glycine, N-propyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, potassium salt (1:1)	85665-66-3		-
	1-Hexanesulfinic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (2:1)	86525-30-6		-
	Thiophene, 2-[2-[(tridecafluorohexyl)sulfonyl]ethenyl]-	86525-43-1		-
	Furan, 2-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-	86525-48-6		-
	Benzene, 1-methyl-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-	86525-51-1		-
	Benzene, 1-methoxy-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-	86525-52-2		-
	Thiophene, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-48-9		-
	Furan, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-49-0		-
	Benzene, 1-methyl-4-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-50-3		-
	Thiophene, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-55-8		-
	Furan, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-56-9		-
	2,4-Pentanedione, 3-[1-(2-thienyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-63-8		-
	2,4-Pentanedione, 3-[1-(2-furanyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-64-9		-
	Isoxazolidine, 4-(4-methoxyphenyl)-2-methyl-5-[[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	93416-31-0		-
	Sulfonic acids, C6-12-alkane, perfluoro	93572-72-6		-
	Sulfonamides, C4-8-alkane, perfluoro, N-[4,7-dimethyl-4-[[[1-methylpropylidene]amino]oxy]-3,5-dioxo-6-aza-4-silanon-6-en-1-yl]-N-ethyl	944578-05-6		-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-; Perfluorohexane-1-sulphonic acid	355-46-4		-
	Salts of Perfluorohexane-1-sulphonic acid	SN0090		-
C9-14Perfluorocarboxylic acids (PFCAs), its salts and C9-14PFCA-related substances	Heptadecafluorononanoic acid etc.	375-95-1 etc.	No intentional addition, and < 25ppb (for C9-14PFCA-related substances, < 260 ppb)	-



Tri-substituted organostannic compounds (containing TBTs & TPTs)	Triphenyltin N,N'-dimethyldithiocarbamate	1803-12-9	No intentional addition	-
	Triphenyltin fluoride	379-52-2		-
	Triphenyltin acetate	900-95-8		-
	Triphenyltin chloride	639-58-7		-
	Triphenyltin hydroxide	76-87-9		-
	Triphenyltin fatty acid salts (C=9-11)	47672-31-1		-
	Triphenyltin chloroacetate	7094-94-2		-
	Tributyltin methacrylate	2155-70-6		-
	Bis(tributyltin) fumarate	6454-35-9		-
	Tributyltin fluoride	1983-10-4		-
	Bis(tributyltin) 2,3-dibromosuccinate	31732-71-5		-
	Tributyltin acetate	56-36-0		-
	Tributyltin laurate	3090-36-6		-
	Bis(tributyltin) phthalate	4782-29-0		-
	Copolymer of alkyl acrylate, methyl methacrylate and tributyltin methacrylate(alkyl; C=8)	-		-
	Tributyltin sulfamate	6517-25-5		-
	Bis(tributyltin) maleate	14275-57-1		-
	Tributyltin chloride	1461-22-9		-
	Mixture of tributyltin cyclopentanecarboxylate and its analogs (Tributyltin naphthenate)	-		-
	Mixture of tributyltin 1,2,3,4,4a,4b,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthlenecarboxylate and its analogs (Tributyltin rosin salt)	-		-
Other Tri-substituted organostannic compounds	-	-		
Perfluorooctane sulfonate and its salts (PFOS)	1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 - heptadecafluoro-	307-35-7	No intentional addition	-
	2-Propenoic acid, 2-methyl-, 2[ethy l[(heptadecafluorooctyl) sulphonyl]amino]ethyl ester	376-14-7		-
	2-Propenoic acid, 2-[buty l[(heptadecafluorooctyl) sulphonyl]amino]ethyl ester	383-07-3		-
	2-Propenoic acid, 2-[ethy l[(heptadecafluorooctyl) sulphonyl]amino]ethyl ester	423-82-5		-
	1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 - heptadecafluoro-N-2-propenyl-	423-86-9		-
	1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 - heptadecafluoro-	754-91-6		-
	1-Propanaminium, 3-[[[(heptadecafluorooctyl) sulphonyl]amino]-N,N,N-trimethyl-, iodide	1652-63-7		-
	1-Octanesulphonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 -heptadecafluoro-N-(2-hydroxyethyl)-	1691-99-2		-
	1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 - heptadecafluoro-	1763-23-1		-
	Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, ethyl ester	1869-77-8		-
	1-Octanesulphonamide, N,N',N''-[phosphinylidynetris (oxy-2,1-ethanediy)]tris[Nethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	2250-98-8		-
	1-Octanesulphonamide, N-butyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 -heptadecafluoro-N-(2-hydroxyethyl)-	2263-09-4		-
	1-Octanesulphonic acid,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 - heptadecafluoro-, potassium salt	2795-39-3		-
	Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-	2991-50-6		-
	Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt	2991-51-7		-
	1-Octanesulphonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 -heptadecafluoro-N-[2-	3820-83-5		-
	Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, sodium salt	3871-50-9		-
	1-Octanesulphonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	4151-50-2		-
	1-Octanesulphonamide, N-[3-(dimethylamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	13417-01-1		-
	2-Propenoic acid, 2-methyl-, 2-[[[(heptadecafluorooctyl) sulphonyl]methylamino] ethyl ester	14650-24-9		-
	1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 - heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-	24448-09-7		-
	1-Octanesulphonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 -heptadecafluoro-N-2-	24924-36-5		-

2-Propenoic acid, 2-[[[(heptadecafluorooctyl) sulphonyl] methylamino] ethyl ester	25268-77-3	-
1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 - heptadecafluoro-, ammonium salt	29081-56-9	-
Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl [(heptadecafluorooctyl)sulphonyl]amino]ethyl]-. omega.-hydroxy	29117-08-6	-
1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 - heptadecafluoro-, lithium salt	29457-72-5	-
1-Octanesulphonamide, N-[3-(dimethyloxidoamino) propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	30295-51-3	-
1-Octanesulphonamide, N,N'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt	30381-98-7	-
1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 - heptadecafluoro-N-methyl-	31506-32-8	-
1-Propanaminium, 3-[[[(heptadecafluorooctyl) sulphonyl] amino]-N,N',N' '- trimethyl-, chloride	38006-74-5	-
1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(phenylmethyl)-	50598-29-3	-
Poly(oxy-1,2-ethanediyl), a-[2-[[[(heptadecafluorooctyl) sulphonyl]propylamino] ethyl]-omega-hydroxy-	52550-45-5	-
Ethanaminium, N,N',N' '-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulphonic acid (1:1)	56773-42-3	-
Benzoic acid, 2,3,4,5-tetrachloro-6-[[[3-[[[(heptadecafluorooctyl)sulphonyl]oxy]phenyl]amino] carbonyl]-, monopotassium salt	57589-85-2	-
2-Propenoic acid, 4-[[[(heptadecafluorooctyl) sulphonyl]methylamino] butyl ester	58920-31-3	-
2-Propenoic acid, 2-methyl-, 4-[[[(heptadecafluorooctyl) sulphonyl]methylamino] butyl ester	61577-14-8	-
1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 -heptadecafluoro-N-[3-(trimethoxysilyl)propyl]-	61660-12-6	-
1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 -heptadecafluoro-N-[3-(trichlorosilyl)propyl]-	67939-42-8	-
1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 -heptadecafluoro-N-[2-(phosphonoxy)ethyl]-, diammonium salt	67969-69-1	-
1-Octanesulphonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, monohydrochloride	67939-88-2	-
Carbamic acid, (4-methyl-1,3-phenylene)bis-,bis[2-[ethyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl] ester	68081-83-4	-
1-Propanaminium, 3-[[[(heptadecafluorooctyl) sulphonyl] (3-sulphopropyl)amino]-N-(2-hydroxyethyl)-N,Ndimethyl-, hydroxide, inner salt	68298-11-3	-
2-Propenoic acid, eicosyl ester, polymer with 2-[[[(heptadecafluorooctyl)sulphonyl]methylamino] ethyl 2-propenoate, hexadecyl 2-propenoate, 2-[methyl[(nonafluorobutyl) sulphonyl]amino]ethyl 2-propenoate,2[methyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl 2-propenoate, 2-[methyl [(tridecafluoroheptyl) sulphonyl]amino]ethyl 2-propenoate, 2-[methyl [(undecafluoropentyl) sulphonyl]amino]ethyl 2-propenoate and octadecyl 2-propenoate	68329-56-6	-
1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8, 8-heptadecafluoro-N-(4-hydroxybutyl)-N-methyl-	68239-73-6	-
1-Propanaminium, 3-[[[(heptadecafluorooctyl) sulphonyl] amino]-N,N',N' '- trimethyl-, iodide, ammonium salt	68310-75-8	-
2-Propenoic acid, polymer with 2-[ethyl [(heptadecafluorooctyl) sulphonyl]amino]ethyl2-methyl-2-propenoate and octadecyl 2-propenoate	68541-80-0	-
2-Propenoic acid, butyl ester, polymer with 2-[[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl 2-propenoate, 2-[methyl [(nonafluorobutyl) sulphonyl] amino]ethyl 2-propenoate, 2-[methyl [(pentadecafluoroheptyl) sulphonyl]amino]ethyl 2-propenoate, 2-[methyl [(tridecafluoroheptyl) sulphonyl] amino]ethyl2-propenoate and 2-[methyl [(undecafluoropentyl) sulphonyl]amino]ethyl 2-propenoate	68555-90-8	-

2-Propenoic acid, 2-methyl-, 2-[ethyl [(heptadecafluorooctyl) sulphonyl]amino]ethyl ester, polymer with 2-[ethyl [(nonafluorobutyl) sulphonyl] amino] ethyl 2-methyl-2-propenoate, 2-[ethyl [(pentadecafluoroheptyl) sulphonyl] amino]ethyl 2-methyl-2-propenoate, 2-[ethyl [(tridecafluorohexyl) sulphonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(undecafluoropentyl)sulphonyl]amino]ethyl2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate	68555-91-9	-
2-Propenoic acid, 2-methyl-, 2-[[[(heptadecafluorooctyl) sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl [(nonafluorobutyl) sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl [(tridecafluorohexyl) sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate	68555-92-0	-
Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene]	68608-14-0	-
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8 -heptadecafluoro-N-(2-hydroxyethyl)-, reaction products with Nethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide,N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide, polymethylenepolyphenyleneisocyanate and stearyl alc.	68649-26-3	-
2-Propenoic acid, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(undecafluoropentyl) sulfonyl]amino]ethyl2-propenoate andalpha-(1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediyl)	68867-60-7	-
2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester, polymer with 2-[ethyl [(nonafluorobutyl) sulphonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl [(tridecafluorohexyl) sulphonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(undecafluoropentyl)sulphonyl]amino]ethyl 2-methyl-2-propenoate and 2-methyl-1,3-butadiene	68877-32-7	-
Chromium, diaquatetrachloro[.mu.-[N-ethyl-N-[(heptadecafluorooctyl)sulphonyl] glycinato-.kappa.O:kappa.O]]-.mu.-hydroxybis(2-methylpropanol)di-	68891-96-3	-
2-Propenoic acid, eicosyl ester, polymers withbranched octyl acrylate, 2-[[[(heptadecafluorooctyl )sulfonyl] methylamino] ethyl acrylate, 2-[methyl [(nonafluorobutyl) sulfonyl]amino]ethyl acrylate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl acrylate, 2-[methyl [(tridecafluorohexyl) sulfonyl] amino]ethyl acrylate, 2-[methyl [(undecafluoropentyl) sulfonyl]amino]ethyl acrylate, polyethylene glycol acrylate Me etherand stearyl acrylate	68909-15-9	-
Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl [(heptadecafluorooctyl) sulphonyl]amino]ethyl]-.omega.-methoxy-	68958-61-2	-
1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 -heptadecafluoro-,compd. with 2,2'-iminobis[ethanol] (1:1)	70225-14-8	-
2-Propenoic acid, 2-methyl-, octadecyl ester,polymer with 1,1-dichloroethene, 2-[[[(heptadecafluorooctyl) sulfonyl] methylamino] ethyl2-propenoate, N-(hydroxymethyl)-2-propenamido,2-[methyl [(nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino] ethyl 2-propenoate, 2-[methyl [(tridecafluorohexyl) sulfonyl]amino]ethyl 2-propenoate and 2-[methyl [(undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate	70776-36-2	-

Phosphonic acid, [3-[ethyl [(heptadecafluorooctyl) sulphonyl]amino] propyl]-	71463-78-0	-
Phosphonic acid, [3-[ethyl [(heptadecafluorooctyl) sulphonyl]amino]propyl]-, diethyl ester	71463-80-4	-
2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 2-[[[(heptadecafluorooctyl) sulfonyl]methylamino] ethyl 2-propenoate, 2-[methyl [(nonafluorobutyl) sulfonyl]amino] ethyl 2-propenoate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino] ethyl 2-propenoate, 2-[methyl [(tridecafluorohexyl) sulfonyl]amino]ethyl 2-propenoate, 2-[methyl [(undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-propenoic acid	71487-20-2	-
Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with epichlorohydrin, adipates (esters)	91081-99-1	-
Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-ethoxyethyl 2-propenoate, 2-[[[(heptadecafluorooctyl) sulphonyl]methylamino] ethyl 2-propenoate and oxiranylmethyl 2-methyl-2-propenoate	92265-81-1	-
1-Propanesulphonic acid, 3-[[3-(dimethylamino)propyl]][(heptadecafluorooctyl) sulphonyl]amino]-2-hydroxy-, monosodium salt	94133-90-1	-
Carbamic acid, [5-[[[2-[[[(heptadecafluorooctyl) sulphonyl]methylamino] ethoxy]carbonyl]amino]-2-methylphenyl]-, 9-octadecenyl ester, (Z)-	94313-84-5	-
Sulphonamides, C7-8-alkane, perfluoro, N-methyl-N-[2-[(1-oxo-2-propenyl)oxy]ethyl], polymers with 2-ethoxyethyl acrylate, glycidylmethacrylate and N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethanaminium chloride	98999-57-6	-
2-Propenoic acid, 2-methyl-, polymers with Bumethacrylate, lauryl methacrylate and 2-[methyl [(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl methacrylate	127133-66-8	-
Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-(oxiranylmethyl)	129813-71-4	-
Fatty acids, C18-unsatd., trimers, 2-[[[(heptadecafluorooctyl) sulphonyl]methylamino] ethyl esters	148240-78-2	-
Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1,6-diisocyanatohexane homopolymer and ethylene glycol	148684-79-1	-
Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenyleneisocyanate	160901-25-7	-
1-Octanesulphonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt	178094-69-4	-
Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl)-, polymers with 1,1'-methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked	178535-22-3	-
1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-, reaction products with benzenechlorine-sulphur chloride (S2Cl2) reaction products chlorides	182700-90-9	-
Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid	192662-29-6	-
1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulphonic acid (1:1)	251099-16-8	-
Fatty acids, linseed-oil, dimers, 2-[[[(heptadecafluorooctyl) sulphonyl]methylamino] ethyl esters	306973-46-6	-
Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts	306973-47-7	-
Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl]	306974-19-6	-
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl]group]-terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl) sulphonyl]amino]ethyl acrylate and styaryl methacrylate	306974-28-7	-
Sulphonic acids, C6-8-alkane, perfluoro, compounds with polyethylene-polypropyleneglycol bis(2-aminopropyl) ether	306974-45-8	-
Fatty acids, C18-unsatd., dimers, 2-[methyl [(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl esters	306974-63-0	-

	Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and N,N',2-tris(6-isocyanatohexyl) imidodicarbonic diamide, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and Nethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compds. with triethylamine	306975-56-4		-
	Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,1'-methylenebis[4-isocyanatobenzene] and 1,2,3-propanetriol, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and Nethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compds. with morpholine	306975-57-5		-
	2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl) sulphonyl] amino]ethyl acrylate and vinylidene chloride	306975-62-2		-
	Poly(oxy-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, polymer with 1,6-diisocyanatohexane, N-(hydroxyethyl)-N-methyl perfluoro C4-8-alkanesulphonamides-	306975-84-8		-
	2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with N-(hydroxymethyl)-2-propenamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl methacrylate, stearyl methacrylate and vinylidene chloride	306975-85-9		-
	1-Hexadecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-, bromide, polymers with Bu acrylate, Bu methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	306976-25-0		-
	2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2,4-diisocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2-propenoic acid, N-ethyl-N-(hydroxyethyl)perfluoro-C4-8-alkanesulphonamides-blocked	306976-55-6		-
	2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymers with acrylic acid, 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolysed, compounds with 2,2'-(methylimino)bis[ethanol]	306977-58-2		-
	2-Propenoic acid, butyl ester, polymers with acrylamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride	306978-04-1		-
	Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkanesulphonamides- and stearyl alc.-blocked	306978-65-4		-
	Poly(oxy-1,2-ethanediyl), .alpha.-[2-(methylamino) ethyl]-.omega.-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl]	306979-40-8		-
	Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl) methylene]] bis[N-methyl-	306980-27-8		-
Beryllium oxide	Beryllium oxide	1304-56-9	No intentional addition	0.360
Cobalt dichloride (II)	Cobalt dichloride	7646-79-9	No intentional addition	-
Dimethyl fumarate (DMF)	Dimethyl fumarate (DMF)	624-49-7	No intentional addition	-
Specified benzotriazole	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-	3846-71-7	No intentional addition	-
Triphenylphosphine isopropylated (PIP (3:1))	Triphenylphosphine isopropylated (PIP (3:1))	68937-41-7	No intentional addition	-
Pentachloro benzenethiol (PCTP)	Pentachloro benzenethiol (PCTP)	133-49-3	No intentional addition	-
Methoxychlor	2,2-Bis (p-methoxyphenyl)-1,1,1-trichloroethane	72-43-5	No intentional addition	-
Dechlorane Plus	Dodecachlorodimethanodibenzocyclooctane	13560-89-9	No intentional addition	-
UV-328	2-(2'-Hydroxy-3',5'-di-tert-amyphenyl)benzotriazole	25973-55-1	No intentional addition	-

Other substances

**Table B-1. Prohibited Substances Specified by Nitto Gr.**

※Even if listed in Table B-1, but if applicable to substances listed in Table A, the threshold levels of Table A shall apply.

Chemicals or Substance Group	Substance Name	CAS Registry Number™ (CAS RN®)	Threshold Level
Prohibited substances specified in consideration of laws and regulations, the guidelines of each country, industry codes, and Nitto Gr. philosophy	1,1,2-Trichloroethane	79-00-5	< 1000ppm
	1,1-Dichloroethylene	75-35-4	
	2-bromopropane	75-26-3	
	Cis-1,2-dichloroethylene	156-59-2	
	Simazine	122-34-9	
	Thiobencarb	28249-77-6	
	Bis (2-chloroethyl) sulfide; Mustard gas	505-60-2	
	1,3-Dichloropropene; D-D	542-75-6	
	4,4',6,6'-Tetrabromo[1,1'-biphenyl]-2,2'-diol	14957-65-4	
	Acetic acid, 2,2',2''-[(methylstannylidene)tris(thio)]tris-, triisooctyl ester	54849-38-6	
	[1,1'-Biphenyl]-ar,ar'-diol, tetrabromo-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol]	68758-75-8	
	2,2',3,3',5,5',6,6'-Octabromo-4-phenoxy-1,1'-biphenyl	83929-69-5	
Prohibited substances regulated by a number of laws and regulations in Japan, and specified based on Nitto Gr. determination criteria	1,2-Dichloroethane	107-06-2	< 1000ppm
	Trichloroethylene	79-01-6	
	Tetrachloroethylene	127-18-4	
	Hydrogen cyanide	74-90-8	
	Dichloromethane	75-09-2	
	Benzene	71-43-2	
	1,4-Dioxane	123-91-1	
	Biphenyl	92-52-4	
	1-Chloro-2-nitrobenzene	88-73-3	
	o-Phenylenediamine	95-54-5	
	2-(Butoxymethyl)oxirane	2426-08-6	
	3-Chloroprop-1-ene	107-05-1	
	Propane, 1,2-dichloro-	78-87-5	
	Single Convention on Narcotic Drugs	cocaine	
Morphine		57-27-2	
Demerol		57-42-1	
Trimeperidine		64-39-1	
Acetic acid 1-phenethyl-4-phenyl-4-piperidinyl ester		64-52-8	
Oxymorphone		76-41-5	
Oxycodon		76-42-6	
Methadone		76-99-3	
levorphanol		77-07-6	
Proheptazine		77-14-5	
4-Phenyl-4-piperidinecarboxylic acid ethyl ester		77-17-8	
Alphaprodine		77-20-3	
Diethylthiambutene		86-14-6	
Thebaine		115-37-7	
Morphosan		125-23-5	
Dihydrocodeinone		125-29-1	
Levomethorphan		125-70-2	
4-(Dimethylamino)-2,2-diphenylvaleronitrile		125-79-1	
Phenazocine		127-35-5	
Phenampromide		129-83-9	
Methyldihydromorphinone		143-52-2	
Anileridine		144-14-9	
3-Hydroxy-N-methylmorphinan		297-90-5	
Piritramide		302-41-0	
[3-Methyl-4-morpholino-2,2-diphenylbutyryl]pyrrolidine		357-56-2	
Desomorphine		427-00-9	
Fentanyl		437-38-7	
Ethylmethylthiambutene		441-61-2	
Isomethadone		466-40-0	
Thebacon		466-90-0	
Normorphine		466-97-7	
Hydromorphone		466-99-9	
Oripavine		467-04-9	
Myrophine		467-18-5	
Dipipanone		467-83-4	
Phenadoxone		467-84-5	
Normethadone		467-85-6	
Dioxaphetyl butyrate		467-86-7	
Phenomorphan		468-07-5	
Betameprodine		468-50-8	
Alphameprodine		468-51-9	
Hydroxypethidine		468-56-4	
Betaprodine		468-59-7	
Ketobemidone		469-79-4	
Morpheridine		469-81-8	
Etoperidine		469-82-9	
Ecgonine		481-37-8	
Methyldihydromorphone		509-56-8	
Dihydromorphone		509-60-4	

Acetylmethadol	509-74-0
Dimenoxadol	509-78-4
3-Methoxy-N-methylmorphinan	510-53-2
Dimethylthiambutene	524-84-5
Racemoramide	545-59-5
Dimepseptanol	545-90-4
Diampromide	552-25-0
Heroin	561-27-3
Norpipanone	561-48-8
Propriodine	561-76-2
Phenoperidine	562-26-5
Morphine N-oxide	639-46-3
Nicomorphine	639-48-5
Etonitazene	911-65-9
Diphenoxylate	915-30-0
Thiofentanyl	1165-22-6
Noracymethadole	1477-39-0
3-Hydroxymorphinan	1531-12-0
7,8-Dihydro-14-hydroxymorphine	2183-56-4
Furethidine	2385-81-1
Drotebanol	3176-03-2
3-Methyl-2,2-diphenyl-4-morpholinebutyric acid	3626-55-9
1-Methyl-4-phenyl-4-piperidinecarboxylic acid	3627-48-3
1-Methyl-4-phenyl-4-piperidinecarbonitrile	3627-62-1
Codeine N-oxide	3688-65-1
Benzethidine	3691-78-9
Metazocine	3734-52-9
Clonitazene	3861-76-5
Levomoramide	5666-11-5
Codoxime	7125-76-0
Opium	8008-60-4
Cannabis	8063-14-7
3-Hydroxy-N-phenacilmorphinan	10061-32-2
Propionic acid 1-methyl-4-phenyl-4-piperidinyl ester	13147-09-6
Piminodine	13495-09-5
3-O-Benzylmorphine	14297-87-1
Dihydroetorphine	14357-76-7
Etorphine	14521-96-1
Beztramide	15301-48-1
Methyl-desorphine	16008-36-9
Alphamethadol	17199-54-1
Betamethadol	17199-55-2
Alphaacetylmethadol	17199-58-5
Betaacetylmethadol	17199-59-6
Tilidine	20380-58-9
Acetorphine	25333-77-1
Allylprodine	25384-17-2
Difenoxin	28782-42-5
3-Methylfentanil	42045-86-3
AH-7921	55154-30-8
Sufentanil	56030-54-7
Alfentanil	71195-58-9
beta-hydroxyfentanil	78995-10-5
beta-Hydroxy-3-methylfentanil	78995-14-9
alpha-Methylfentanil	79704-88-4
3-Methylthiofentanil	86052-04-2
Marihuana extract	89958-21-4
Parafluorofentanyl	90736-23-5
Acetyl- $\alpha$ -methylfentanil	101860-00-8
alpha-Methylthiofentanil	103963-66-2
Remifentanil	132875-61-7
Codeine	76-57-3
Ethylmorphine	76-58-4
Dihydrocodeine	125-28-0
Norcodeine	467-15-2
Propoxyphene	469-62-5
Pholcodine	509-67-1
Nicodicodine	808-24-2
Nicocodine	3688-66-2
Acetyldihydrocodeine	3861-72-1
Propiram	15686-91-6
Benzphetamine	101-47-3
Cyclopropylfentanyl	1169-68-2
2-Methoxy-N-(1-phenethylpiperidin-4-yl)-N-phenylacetamide	101345-67-9
para-Fluorobutyrfentanyl	244195-31-1
Tetrahydrofuranfentanyl	2142571-01-3
4-Fluoro-isobutyryl fentanyl	244195-32-2
N-(1-Phenethylpiperidin-4-yl)-N-phenylacetamide	3258-84-2
trans-3,4-Dichloro-N-(2-(dimethylamino)cyclohexyl)-N-methylbenzamide	121348-98-9
N-(1-Phenethylpiperidin-4-yl)-N-phenylbutanamide	1169-70-6

	1-Cyclohexyl-4-(1,2-diphenylethyl)piperazine	52694-55-0	
	N-(2-Fluorophenyl)-2-methoxy-N-(1-phenylethylpiperidin-4-yl)acetamide	101343-69-5	
	Carfentanil	59708-52-0	
	N-Phenyl-N-[1-(2-phenylethyl)piperidin-4-yl]-2-propenamide	82003-75-6	
	6a,7,8,10a-Tetrahydro-6,6,9-trimethyl-3-pentyl-6H-dibenzo[b,d]pyran-1-ol	6465-30-1	
	N-Phenyl-N-[1-(2-phenylethyl)-4-piperidiny]-2-furancarboxamide	101345-66-8	
	1-Cyclohexyl-4-(1,2-diphenylethyl)piperazine	41537-67-1	
	N-phenyl-N-[1-(2-phenylethyl)piperidin-4-yl]pentanamide	122882-90-0	
	(2E)-N-phenyl-N-[1-(2-phenylethyl)piperidin-4-yl]but-2-enamide	760930-59-4	
	Isotonitazene	14188-81-9	
Convention on Psychotropic Substances	Phenobarbital	50-06-6	No intentional addition
	5,5-Diallylbarbiturate	52-43-7	
	Barbital	57-44-3	
	Meproamate	57-53-4	
	Chloroazepoxide	58-25-3	
	Butobarbital	77-28-1	
	Amfepramone	90-84-6	
	1-Chloro-3-ethyl-1-penten-4-yn-3-ol	113-18-8	
	Methylphenobarbital	115-38-8	
	Phentermine	122-09-8	
	Secbutabarbital	125-40-6	
	2,4-Dioxo-3,3-diethyl-5-methylpiperidine	125-64-4	
	Ethinamate	126-52-3	
	Nitrazepam	146-22-5	
	Benzeneethanamine, N, alpha-dimethyl-N-(phenylmethyl)-, (S)-	156-08-1	
	Diazepam	439-14-5	
	Ethylamfetamine	457-87-4	
	Pipradrol	467-60-7	
	oxazepam	604-75-1	
	3,4-Dimethyl-2-phenylmorpholine	634-03-7	
	Lorazepam	846-49-1	
	Temazepam	846-50-4	
	Lormetazepam	848-75-9	
	Nordazepam	1088-11-5	
	Fencamfamine	1209-98-9	
	Clonazepam	1622-61-3	
	Bromazepam	1812-30-2	
	Nimetazepam	2011-67-8	
	Pemoline	2152-34-3	
	2-Amino-5-phenyl-2-oxazoline	2207-50-3	
	Vinylbital	2430-49-1	
	Delorazepam	2894-67-9	
	Medazepam	2898-12-6	
	Prazepam	2955-38-6	
	Pyrovalerone	3563-49-3	
	Fludiazepam	3900-31-0	
	Lefetamina	7262-75-1	
	Tetrazepam	10379-14-3	
	Fenproporex	16397-28-7	
	Mefenorex	17243-57-1	
	Flurazepam	17617-23-1	
	Mazindol	22232-71-9	
	Clobazam	22316-47-8	
	Halazepam	23092-17-3	
	Clorazepic acid	23887-31-2	
	Oxazolam	24143-17-7	
	Cloxazolam	24166-13-0	
	Ketazolam	27223-35-4	
	Triazolam	28911-01-5	
	Alprazolam	28981-97-7	
	Ethyl loflazepate	29177-84-2	
	Estazolam	29975-16-4	
	Clotiazepam	33671-46-4	
	Mesocarb	34262-84-5	
	Camazepam	36104-80-0	
	Phenazepam	51753-57-2	
	Pinazepam	52463-83-9	
	Brotizolam	57801-81-7	
	Haloxazolam	59128-97-1	
	Midazolam	59467-70-8	
	Loprazolam	61197-73-7	
	Zolpidem	82626-48-0	
	Lysergic acid diethylamide	50-37-3	
	Mescaline	54-04-6	
	Dimethyltryptamine	61-50-7	
	3-[2-(Diethylamino)ethyl]-1H-indole	61-51-8	
	4-Methoxy- $\alpha$ -methylphenethylamine	64-13-1	
	Parahexyl	117-51-1	
	Psilocybine	520-52-5	
	Psilocine	520-53-6	



3,4,5-Trimethoxy- $\alpha$ -methylphenethylamine	1082-88-8
N-Ethyl-1-phenylcyclohexylamine	2201-15-2
Rolicyclidine	2201-39-0
Etryptamine	2235-90-7
2,5-Dimethoxy- $\alpha$ -methylphenethylamine	2801-68-5
Methcathinone	5650-44-2
Delta8-Tetrahydrocannabinol	5957-75-5
Delta6a,10a-Tetrahydrocannabinol	7663-50-5
Delta9-Tetrahydrocannabinol	1972-08-3
5-Methoxy-3,4-methylenedioxyamphetamine	13674-05-0
4-Methylthioamphetamine	14116-06-4
2,5-Dimethoxy- $\alpha$ ,4-Dimethyl-phenethylamine	15588-95-1
(6aR,10aR)-6a,7,8,9,10,10a-Hexahydro-6,6-dimethyl-9-methylene-3-pentyl-6H-dibenzo[b,d]pyran-1-ol	16849-44-8
D9-THC	16849-50-6
Tenocyclidine	21500-98-1
4-Ethyl-2,5-dimethoxy- $\alpha$ -methylbenzeneethanamine	22004-32-6
1-(4-Methoxyphenyl)-N-methylpropane-2-amine	22331-70-0
(4R,5S)-4-Methylaminorex	29493-77-4
Dimethylheptylpyran	32904-22-6
3,4-Methylenedioxyamphetamine	42542-10-9
6a,9,10,10a-tetrahydro-6,6,9-trimethyl-3-pentyl-6H-dibenzo[b,d]pyran-1-ol (.delta.-7tetrahydrocannabinol)	42793-13-5
Tenamphetamine	51497-09-7
(9R,10aR)-8,9,10,10a-Tetrahydro-6,6,9-trimethyl-3-pentyl-6H-dibenzo[b,d]pyran-1-ol	58588-05-9
Brolamfetamine	64638-07-9
Cathinones	71031-15-7
N-Hydroxy MDA	74698-47-8
N-Ethyl- $\alpha$ -methyl-3,4-(methylenedioxy)phenethylamine	82801-81-8
Benzeneethanamine, .alpha.-methyl-, (S)-	51-64-9
2-Methyl-3-(2-tolyl)-4 (3H)-quinazolone	72-44-6
Secobarbital	76-73-3
Phencyclidine	77-10-1
Methyl .alpha.-phenyl-.alpha.-(2-piperidyl) acetate	113-45-1
Phenmetrazine	134-49-6
Levoamphetamine	156-34-3
Amphetamine	300-62-9
Mecloqualone	340-57-8
Methamphetamine	537-46-2
4-Hydroxybutyric acid	591-81-1
1-Benzylpiperazine	2759-28-6

Fenetylline	3736-08-1
7-[2-[(.alpha.-Methylphenethyl)amino]ethyl]theophylline	3936-08-1
N-Methylamphetamine	7632-10-2
1-Phenyl-2-(pyrrolidin-1-yl)pentan-1-one	14530-33-7
Levometafetamine	33817-09-3
Zipeprol	34758-83-3
Amineptine	57574-09-1
4-Bromo-2,5-dimethoxyphenethylamine	66142-81-2
Cyclobarbital	52-31-3
Amobarbital	57-43-2
Pentobarbital	76-74-4
alpha-Phenyl-ethylglutarimide	77-21-4
5-Allyl-5-isobutylbarbiturate	77-26-9
Pentazocine	359-83-1
threo-2-Amino-1-phenyl-1-propanol	492-39-7
Flunitrazepam	1622-62-4
Buprenorphine	52485-79-7
Etizolam	40054-69-1
Zopiclone	43200-80-2
N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(4-fluorobenzyl)-1H-indazole-3-carboxamide	1445583-51-6
Methyl 2-[1-(4-fluorobenzyl)-1H-indazole-3-carboxamido]-3-methylbutanoate	1715016-76-4
CUMYL-CB-PINACA	1631074-54-8
MAB-CHMINACA	1185887-13-1
1,3-Benzodioxolyl-N-ethylpentanamine	952016-47-6
2-(4-Iodo-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine	919797-19-6
2-(4-Chloro-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethan-1-amine	1227608-02-7
2-(4-Bromo-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine	1026511-90-9
1-(4-Fluorophenyl)-2-propaneamine	459-02-9
Ethyl 2-phenyl-2-(piperidin-2-yl)acetate	57413-43-1
N-Methyl-1-(thiophen-2-yl)propan-2-amine	801156-47-8
2-(Methylamino)-1-phenylpentan-1-one	879722-57-3
1-(3,4-Methylenedioxyphenyl)-2-(pyrrolidine-1-yl)pentane-1-one	687603-66-3
Methyl 2-(1-(cyclohexylmethyl)-1H-indole-3-carboxamido)-3,3-dimethylbutanoate	1971007-95-0
1-Naphthalenyl(1-pentyl-1H-indole-3-yl)methanone	209414-07-3
Methyl (S)-2-(1-(5-fluoropentyl)-1H-indazole-3-carboxamido)-3,3-dimethylbutanoate	1715016-75-3
[1-(5-Fluoropentyl)-1H-indol-3-yl]-1-naphthalenylmethanone	335161-24-5
AB-PINACA	1445752-09-9
4-Methyl-5-(methylphenyl)-4,5-dihydro-1,3-oxazol-2-amine	1445569-01-6
2-(Methylamino)-1-(3,4-methylenedioxyphenyl)propane-1-one	186028-79-5
N-(Adamantan-1-yl)-1-(5-fluoropentyl)-1H-indazole-3-carboxamide	1400742-13-3
Quinolin-8-yl=1-(5-fluoropentyl)-1H-indole-3-carboxylate	1400742-41-7
1-(5-Fluoropentyl)-1H-indol-3-yl](2,2,3,3-tetramethylcyclopropyl)methanone	1364933-54-9
2-(Ethylamino)-2-(3-methoxyphenyl)cyclohexanone	1239943-76-0
UR-144	1199943-44-6
(RS)-2-Ethylamino-1-(4-methylphenyl)propan-1-one	1225617-18-4
2-Ethylamino-1-(3,4-methylenedioxyphenyl)propan-1-one	1112937-64-0
MBA(N)-CHM	1185887-21-1
2-(Methylamino)-1-(4-methylphenyl)propane-1-one	1189805-46-6
2-Oxazolamine, 4,5-dihydro-4-methyl-5-(4-methylphenyl)-, (4S,5S)-	364064-08-4
1,2,3,4,5,6-Hexahydro-6,11-dimethyl-3-(3-methylbut-2-enyl)-2,6-methano-3-benzazocin-8-ol	55643-30-6
8-Chloro-6-(2-fluorophenyl)-1-methyl-4H-benzo[f][1,2,4]triazolo[4,3-a][1,4]diazepine	28910-91-0
1-Phenyl-2-(pyrrolidin-1-yl)hexan-1-one	13415-86-6
2-(Ethylamino)-1-phenylhexan-1-one	802857-66-5
1-(4-Chlorophenyl)-2-(methylamino)propan-1-one	1225843-86-6
Methyl 2-[[1-(4-fluorobutyl)-1H-indazole-3-carbonyl]amino]-3,3-dimethylbutanoate	S011085
Methyl 2-[[1-(5-fluoropentyl)-1H-indole-3-carbonyl]amino]-3,3-dimethylbutanoate	1971007-88-1
Methyl 2-[[1-(5-fluoropentyl)-1H-indazole-3-carbonyl]amino]-3-methylbutanoate	1715016-74-2
N-[1-Amino-3-methyl-1-oxobutan-2-yl]-1-[(4-fluorophenyl)methyl]-1H-indazole-3-carboxamide	1185282-01-2
1-(4-Chloro-2,5-dimethoxyphenyl)propan-2-amine	123431-31-2
CUMYL-PEGACLONE	2160555-55-3
MDMB-4en-PINACA	2504100-70-1
3-methoxyphencyclidine	91164-58-8
Diphenidine	36794-52-2
Clonazolam	33887-02-4
Diclazepam	2894-68-0
Flubromazolam	612526-40-6

**Table B-2. Substances that are regulated by national law**

※Even if listed in Table B-2, but if applicable to substances listed in Table A, the threshold levels of Table A shall apply.

Chemicals or Substance Group	Substance Name	CAS Registry Number™ (CAS RN®)	Threshold Level
Class-I Specified Chemical Substances set forth in CSCL	polychlorobiphenyl	-	No intentional addition
	Polychlorinated naphthalenes (Cl>=2)	-	
	hexachlorobenzene	118-74-1	
	Aldrin	309-00-2	
	Dieldrin	60-57-1	
	Endrin	72-20-8	
	p,p'-DDT	50-29-3	
	1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene 1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro- Chlordane	-	
	mixture of 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene or their relative compounds	-	
	Bis(tri-n-butyltin)oxide	56-35-9	
	N,N'-ditolyl-p-phenylenediamine N-tolyl-N'-xylyl-p-phenylenediamine N,N'-dixylyl-p-phenylenediamine	-	
	2,4,6-Tri-tert-butylphenol	732-26-3	
	Chlorinated Camphene	8001-35-2	
	Mirex	2385-85-5	
	Dicofol	115-32-2	
	Hexachloro-1,3-butadiene	87-68-3	
	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-	3846-71-7	
	Perfluorooctane sulfonic acid and its derivatives	-	
	Perfluorooctanesulfonyl fluoride	307-35-7	
	Pentachlorobenzene	608-93-5	
	alpha-Hexachlorocyclohexane alpha-BHC	319-84-6	
	beta-Hexachlorocyclohexane beta-BHC	319-85-7	
	gamma-Hexachlorocyclohexane	58-89-9	
	Kepone	143-50-0	
	Hexabromobiphenyl	-	
	Tetrabromodiphenyl ether	-	
	Pentabromodiphenyl ether	-	
	Hexabromodiphenyl ether	-	
	Heptabromodiphenyl ether	-	
	Endosulfan, Benzoepin	-	
	Hexabromocyclododecane	-	
	Pentachlorophenol and its salts and esters	-	
Short-chain chlorinated paraffins (Alkanes, C10-13, Chloro): straight-chain chlorinated hydrocarbons with chain lengths ranging from C10 to C13 and a content of chlorine greater than 48%, by weight	-		
Decabromodiphenyl ether	1163-19-5		
Perfluorooctanoic acid (PFOA) and its salts	-		
Production banned substances set forth in the Industrial Safety and Health Act in Japan	Yellow phosphorus	12185-10-3	No intentional addition
	Benzidine	92-87-5	
	4-aminodiphenyl and its salts;	92-67-1	
	Asbestos;	-	
	4-nitrodiphenol and its salts;	92-93-3	
	Bis(chloromethyl)ether	542-88-1	
	2-Naphthylamine	91-59-8	
	Gum containing benzene, in which the volume of contained benzene exceeds 5 % of the solvent (including diluents) of the said gum; (ix) The preparations and other substances containing the substances listed in items (ii), (iii) or (v) to (vii) exceeding 1 % of the weight of the said preparations and other substances, or containing the substances listed in item (iv) exceeding 0.1% of the weight of the said preparations and other substances.	-	
Specified chemical substances Article 2, Appended Table No. 3 of the Poisonous and Deleterious Substances Control Law in Japan	Schradan	152-16-9	No intentional addition
	Tetraalkyl lead	-	
	Parathion	56-38-2	
	Methyl Demeton	8022-00-2	
	Phosphamidon (mixed isomers)	13171-21-6	
	Methyl Parathion	298-00-0	
	TEPP	107-49-3	
	fluoroacetic acid fluoroacetamide	144-49-0 640-19-7	
Article 3 of Cabinet Order for the Designation of the Poisonous and Deleterious Substances specified Ordinance in Japan	Schradan	152-16-9	No intentional addition
	Tetraalkyl lead	-	
	Schradan	152-16-9	
	Methyl Demeton	8022-00-2	
	Phosphamidon (mixed isomers)	13171-21-6	
	Methyl Parathion	298-00-0	
	TEPP	107-49-3	
	Sodium Fluoroacetate fluoroacetamide	62-74-8 640-19-7	
	Aluminum phosphide	20859-73-8	

**Other substances**

**Table B-3. Substances that are regulated by industry standards**

※Even if listed in Table B-3, but if applicable to substances listed in Table A, the threshold levels of Table A shall apply.

Chemicals or Substance Group	Substance Name	CAS Registry Number™ (CAS RN®)	Threshold Level
GADSL Prohibited substances	Please download the substance list from the following URL and check the Prohibited Substances. <a href="https://www.gadsl.org/">https://www.gadsl.org/</a>	-	No intentional addition

Version	Revision date	Revised contents
ver.2.00	Sep. 1, 2018	Revised
ver.2.01	Feb. 19, 2019	Modified the threshold level of GADSL P substances to “No intentional additions”. Corrected an error on CAS RN® of an ozone-depleting substance; chlorodifluoromethane: HCFC-22.
ver.3.00	Jun. 1, 2019	Added “Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances” as substances contained on List of Certificate for Non-Use of Prohibited Substances in Delivered Products on the Prohibited Substances List and in Table A
ver.3.00	Jun. 1, 2019	Deleted the phrase “as impurities” from the Prohibited Substances List and Table A for the threshold level of the substances contained on List of Certificate for Non-Use of Prohibited Substances in Delivered Products
ver.3.00	Jun. 1, 2019	Added candidate substances (PFHxS) of POPs Convention to Table B-1
ver.3.01	Feb. 17, 2020	Changed the application period of the existing raw materials from February 1, 2020 to April 1, 2020 for “perfluorooctanoic acid (PFOA), its salts and PFOA-related substances” on the Prohibited Chemical Substances List and in Table A.
ver.3.02	Nov. 1, 2020	Version updated from 3.01 to 3.02 due to revision of Certificate for Non-Use of Prohibited Substances in Delivered Products (no change to Prohibited Chemical Substances).
ver.4.00	Jul. 15, 2021	Delete perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related substances from Table B-1 and add to Table A
ver.4.00	Jul. 15, 2021	Add drugs under the Single Convention on Narcotic Drugs and psychotropic substances under the Convention on Psychotropic Substances to Table B-1
ver.4.00	Jul. 15, 2021	Add examples (perfluorooctanoic acid (PFOA), its salts and PFOA-related substances) of GADSL P-substances (revised on Feb. 1, 2021) to Table B-3
ver.5.00	Dec. 5, 2023	Add “Total of phthalate esters of 4 substances (DEHP, DBP, BBP, DIBP specified in EU RoHS (II) Directive Annex 2)” to the Prohibited Substances List.
ver.5.00	Dec. 5, 2023	Add the following substances, as substances included on List of Certificate for Non-Use of Prohibited Substances in Delivered Products on the Prohibited Substances List and in Table A. (Effective date: October 1, 2024): <ul style="list-style-type: none"> <li>• C9-14Perfluorocarboxylic acids (PFCAs), its salts and C9-14PFOA-related substances</li> <li>• Triphenylphosphine isopropylated (PIP (3:1))</li> <li>• Pentachloro benzenethiol (PCTP)</li> <li>• Methoxychlor</li> <li>• Dechlorane plus</li> <li>• UV-328</li> </ul>
ver.5.00	Dec. 5, 2023	Add substances to Table B-1 (Single Convention on Narcotic Drugs, Convention on Psychotropic Drugs)
ver.5.00	Dec. 5, 2023	Add the following substances to Table B-2 <ul style="list-style-type: none"> <li>• Perfluorooctanoic acid (PFOA) and its salts</li> </ul>
ver.5.00	Dec. 5, 2023	Modify the confirmation method of the substances on “Examples in Table B-3”.
ver.5.00	Dec. 5, 2023	Delete the threshold level of “☒Comply with REACH regulation” for the following substances in the Prohibited Substances List. <ul style="list-style-type: none"> <li>• Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances</li> <li>• Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related substances</li> </ul>
ver.5.00	Dec. 5, 2023	Add “EU POPs Annex I” in Remarks for “Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related substances” in the Prohibited Substances List.
ver.5.01	Mar. 17, 2025	Deletion of 4 substances from the following examples in Table A due to CSCL revision. <ul style="list-style-type: none"> <li>• Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances</li> </ul>
ver.5.01	Mar. 17, 2025	Correction of typographical errors in substance names in Table A.