## Green Procurement Guidelines Annex

## Ver.3.0

Appendix	Title	Rev.	Date	Page
_	Revision History	ı	_	2
1	Level 1(Prohibited substance group)	2.0	2023.10.1	3
2	Level 2 (Controlled substance group)	2.0	2023.10.1	5
3-1	The exemptions of RoHS II Annex3	2.0	2023.10.1	7
3-2	The exemptions of RoHS II Annex4 (The exemptions of category 8&9)	1.0	2022.1.4	11
4	Ozone depleting substances	0.0	2021.11.1	15
5	PFOS / PFOS relative compounds <pre> ⟨Perfluorooctane sulfonates⟩</pre>	0.0	2021.11.1	19
6	REACH Annex XVII Restriction of placing on the market and use	1.0	2023.10.1	23
7	REACH-Annex XIV Authorization and Candidate (SVHC) List	2.0	2023.10.1	27
8	List of aromatic amines	0.0	2021.11.1	34
9	List of Hexabromocyclododecane (HBCD or HBCDD)	0.0	2021.11.1	35
10	List of Perfluorooctanoic acid (PFOA),its salts and PFOA-related compounds	0.0	2021.11.1	36

rev.	date	Revision History
1.0	2021.11.1	New Publication
1.1	2022.3.22	The change of Appendix 6: No.68, 76 The change of Appendix 7: The addition of No.220–223 (26th addition)
2.0	2023.1.4	Change of Company name, The change of Appendix 1: The addition of No.24, 25 The change of Appendix 3-1: No.1(a)-(g), 2(a)(b), 3(a)(b)(c), 4(a)(b)(c)(e)(f), the addition of No.45 The change of Appendix 3-2: The addition of No. 45, 46, 47 The change of Appendix 7: The addition of No.224 (27th addition)
3.0	2023.10.1	Change of Appendix 1: No.6 and Addition of No.26, 27 Change of Appendix 2: Addition of No.21, 22 Change of Appendix 3–1: No.5(a)(b), 6(c), 7(b)(c)–II, IV, 8(b), 9, 9(b), 15, 17, 18(b), 21, 25, 29, 30, 31, 32, 33, 34, 37, 38, 41 Change of Appendix 6: No. 63 Change of Appendix 7: Addition of No.234, 235 (29th addition)
		1

	<del></del>	evel 1(Prohibited substance grou			rev2.0 2023.10.1	
NO		Substance group (English)	Scope of regulation concerning use and handling	Control value of Hitachi group *	Reference laws and regulations	Remarks
	Cadmiur	m and its compounds		1	ELL Dalle Directive	
1			Common	No more than 100ppm	EU RoHS Directive EU ELV Directive	
'		_	Packaging materials	No more than 100ppm in total with 4	EU Packaging Directive USA State law (e.g. FL, GA, IA, IL, NH,	
			a donaging materials	substances of Cd, Cr(VI), Pb, Hg	MO, PA, WI, etc.)	
	Hexavai	ent chromium compounds	Common	No more than 1000ppm	EU RoHS Directive	
2		_		No more than 100ppm in total with 4	EU ELV Directive	
	<u> </u>		Packaging materials	substances of Cd, Cr(VI), Pb, Hg	EU Packaging Directive	
	Lead an	d its compounds			EU RoHS Directive	
3			Common	No more than 1000 ppm	EU ELV Directive GER Prohibition of Chemicals	
•		-			Ordinance - ChemVerbotsV	
			Packaging materials	No more than 100ppm in total with 4 substances of Cd, Cr(VI), Pb, Hg	EU Packaging Directive	
	Mercury	and its compounds			EU RoHS Directive	
4		_	Common	No more than 1000 ppm	EU ELV Directive	
			Packaging materials	No more than 100ppm in total with 4 substances of Cd, Cr(VI), Pb, Hg	EU Packaging Directive	
5	Polybro	minated biphenyls (PBBs)	T			
	Polybro	minated diphenyl ethers (PBDEs)	Common	No more than 1000 ppm	EU RoHS Directive	
6	i diybidi	-	Common	No more than 1000 ppm	EU RoHS Directive	
		DecaBDE	Articles only for the U.S covered by TSCA PRT	Use prohibited	TSCA PBT Regulation	
	Tri-subs	stituted organostannic compounds	T	T	JPN Chemical Examination Law/Type 1	
	7-1	Bis(tributyltin)=Oxide (TBTO)	Common		specified chemical substances	
-		. ,,		Intentional use prohibited, and	EU REACH Regulation/Restriction	
7	7-2	Tributyltin (TBT) compounds		no more than 1000 ppm by weight of	No.20	
	7-3	Triphenyltin (TPT) compounds	Articles	tin	JPN Chemical Examination Law/Type 2	
		Other tri-substituted organostannic compounds			EU REACH Regulation/Restriction No.2	0
		compounds orinated biphenyls (PCBs)	I.	I	I	
					POPs	
8		_	Common	Intentional use prohibited	JPN Chemical Examination Law/Type 1 Specified Chemical Substances	
					GER Prohibition of Chemicals Ordinance - ChemVerbotsV	
	Polychic	orinated terphenyls (PCTs)		1	Ordinance Orienty erbots v	
9		_	Equipments	No more than 50 ppm	EU REACH Regulation/Restriction No.1	
	Polychic	│ orinated naphthalenes (with 1 or more ch	Other than equipments	Intentional use prohibited	EU REACH Regulation/Restriction No.1	Apply fro
10	,	_	Common	Intentional use prohibited	JPN Chemical Examination Law/Type 1	Oct. 1st, 2016
	Alkanes	, C10 –C13 , chloro (short–chain chlorina		and promoted	Specified Chemical Substances	2010
11	Aikailos	-	Common	Intentional use prohibited	POPs	
	Asbesto	Asbestos				
	12-1	CAS:1332-21-4				
	12-2	Amosite CAS:12172-73-5			EU REACH Regulation/Restriction No.6	
		Crocidolite CAS:12001-28-4			JPN Industrial Safety and Health Law	
12	10.4	Chrysotile	Common	Intentional use prohibited and no more than 1000 ppm	(Prohibition of Manufacturing, etc.) JPN Industrial Safety and Health Law (Asbestos Ordinance) GER Prohibition of Chemicals	
		CAS:12001-29-5 Anthophyllite				
	12-5					
	12-6	CAS:17068-78-9, 77536-67-5			Ordinance - ChemVerbotsV	
		Tremolite CAS:14567-73-8, 77536-68-6				
		Tremolite CAS:14567-73-8, 77536-68-6 Actinolite				
	12-7	Tremolite CAS:14567-73-8, 77536-68-6	x 4 for the applicable substances)		Ordinance - ChemVerbotsV	
13	Ozone la	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I			Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer	
13	Ozone la	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon	c 4 for the applicable substances)	Intentional use prohibited	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that	
13	Ozone la	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	Common	·	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer	
13	Ozone la	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)		·	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law	
13	Ozone la	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	Common  alogous compounds (See Appendix 5 for th  Common <exemption usage=""></exemption>	·	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances	
13	Ozone la	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	alogous compounds (See Appendix 5 for th Common ⟨Exemption usage⟩ Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices,	e applicable substances)	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs	
	Ozone la	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour	·	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its	
	Ozone la	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	alogous compounds (See Appendix 5 for th Common ⟨Exemption usage⟩ Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices,	e applicable substances)	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian	
	Ozone la	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour	e applicable substances)	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian Environmental Protection Act, 1999	
14	PFOS <	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour	e applicable substances)  Intentional use prohibited	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1	
	PFOS <	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	alogous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams	e applicable substances)	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC	
14	PFOS <	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for th Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common	e applicable substances)  Intentional use prohibited	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian Environmental Protection Act, 1999 JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1	
14	PFOS <	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	alogous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams	e applicable substances)  Intentional use prohibited	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC  JPN Chemical Examination Law/Type 1 Specified Chemical Substances  EU REACH/Ristriction	
14 15	PFOS <	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorocotanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for th Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common	e applicable substances)  Intentional use prohibited  Intentional use prohibited	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC  JPN Chemical Examination Law/Type 1 Specified Chemical Substances	
14 15	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an   2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di- tert-butylphenol  Hexachlorobenzene  Dimethylfumarate (DMF)	Common  alogous compounds (See Appendix 5 for th Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common	e applicable substances)  Intentional use prohibited  Intentional use prohibited	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian Environmental Protection Act, 1999 JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex 1 EU REACH Regulation/ Restriction	
15 16	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an   2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di- tert-butylphenol  Hexachlorobenzene  Dimethylfumarate (DMF)	Common  alogous compounds (See Appendix 5 for th Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles	e applicable substances)  Intentional use prohibited  Intentional use prohibited	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU REACH/Ristriction EU REACH/Ristriction	Apply fro
15 16	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an   2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di- tert-butylphenol  Hexachlorobenzene  Dimethylfumarate (DMF)	Common  alogous compounds (See Appendix 5 for th Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles	e applicable substances)  Intentional use prohibited  Intentional use prohibited	Ordinance - ChemVerbotsV  Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian Environmental Protection Act, 1999 JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex 1 EU REACH Regulation/ Restriction EU CLP Annex 1 LO REACH Regulation/ Restriction EU CLP Annex 1 Specified Chemical Examination Law/Type 1 Specified Chemical Substances POPs	April 1st,
15 16	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an   2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di- tert-butylphenol  Hexachlorobenzene  Dimethylfumarate (DMF)	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles  Appendix 9 for the applicable substances	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm s)	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I EU CLP Annex I EU CLP Annex I EU CLP CANNEX	
15 16	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an   2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di- tert-butylphenol  Hexachlorobenzene  Dimethylfumarate (DMF)	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles  Appendix 9 for the applicable substances	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm s)	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I EU REACH Regulation/ Restriction  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Regulation/ Restriction EU CLP Annex I EU REACH Regulation/ SVHC See Appendix 7 for the applicable substances)	April 1st, 2016
15 16 17	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Common  Articles Appendix 9 for the applicable substances  Common	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm  Intentional use prohibited	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999 JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Regulation/ Restriction EU CLP Annex I JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU REACH Regulation/SVHC	April 1st, 2016
15 16 17	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an   2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di- tert-butylphenol  Hexachlorobenzene  Dimethylfumarate (DMF)	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles  Appendix 9 for the applicable substances	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm s)	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999 JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I LO NEACH PRESULTATION TRESULTION JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Regulation/ Resultation JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances)	April 1st, 2016 Translatio to Level 1 following
15 16 17	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Common  Articles Appendix 9 for the applicable substances  Common	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm  Intentional use prohibited	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I  EU CLP Annex I  EU CLP Annex I  EU REACH Regulation/Restriction  LOT Compound Substances  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable substances)  EU REACH Regulation/Restriction No.51  EU RCACH Regulation/Restriction No.51  EU ROHS Directive (from July,2019)	April 1st, 2016 Translatio to Level 1 following date: Products
15 16 17 18	PFOS <	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles  Appendix 9 for the applicable substances  Common  Common	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm s)  Intentional use prohibited	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU REACH Authorisation/SVHC  JPN Chemical Examination Law/Type 1 Salts and Certain Other Compounds Regulation SOR /2008–178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I  LO NENOT REGULATION TRESTITUTION  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Regulation/Restriction EU CLP Annex I  LO NENOT REGULATION SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/Restriction No.51 EU REACH Regulation/Restriction No.51 EU REACH Regulation/Restriction No.51 EU REACH Regulation/VHC	April 1st, 2016 Translatio to Level 1 following date: Products parts
14	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Common  Articles Appendix 9 for the applicable substances  Common	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm  Intentional use prohibited	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999 JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex 1 LO NEMON REGULATION PRESTRICTION  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Regulation/ Restriction EU CLP Annex 1 LO NEMON REGULATION SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/Restriction No.51 EU ROHS Directive (from July,2019) EU REACH Regulation/Restriction No.51 EU REACH Regulation/Restriction No.51 EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances)	April 1st, 2016 Translatio to Level 1 following date: Products of parts correspont to EU
15 16 17 18	PFOS <	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles  Appendix 9 for the applicable substances  Common  Common	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm s)  Intentional use prohibited	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999 JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I EU REACH Regulation/Restriction EU CLP Annex I EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/Striction No.51 EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SUHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SUHC (See Appendix 7 for the applicable substances)	April 1st, 2016 Translatio to Level 1 following date: Products oparts correspon to EU RoHS/Cat
15 16 17 18	PFOS <	Tremolite CAS:14567-73-8, 77536-68-6 Actinolite CAS:12172-67-7, 77536-66-4 ayer depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles  Appendix 9 for the applicable substances  Common  Common	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm s)  Intentional use prohibited	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I EU REACH Regulation/Restriction  LO NEACH Regulation/SVHC  (See Appendix 7 for the applicable substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/Restriction No.51  EU ROHS Directive (from July,2019)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)	April 1st, 2016  Translatio to Level 1 following date: Products of parts correspon to EU RoHS/Cat &9: 18/Jan/20
14 15 16 17 18	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles  Appendix 9 for the applicable substances  Common  Common  Common	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm  Intentional use prohibited  No more than 1000ppm  No more than 1000ppm	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008-178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I EU REACH Regulation/Restriction  LO REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) EU REACH Regulation/Restriction No.51 EU ROHS Directive (from July,2019) EU REACH Regulation/Restriction No.51 EU REACH Regulation/Restriction No.51 EU REACH Regulation/SyHC (See Appendix 7 for the applicable substances) EU REACH Regulation/Restriction No.51 EU REACH Regulation/SyHC (See Appendix 7 for the applicable substances)	April 1st, 2016  Translatio to Level 1 following date: Products parts correspon to EU RoHS/Cat &9: 18/Jan/20 Products of the corresponding to EU RoHS/Cat &9:
14 15 16 17 18	PFOS <	Tremolite CAS:14567-73-8、77536-68-6 Actinolite CAS:12172-67-7、77536-66-4 aver depleting substances (See Appendi Correspond to Montreal Protocol Class I (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)  Perfluorooctanesulfonic acid> and its an	Common  logous compounds (See Appendix 5 for the Common (Exemption usage) Semiconductor, Photoresists, Photo imaging, Metal plating, Medical devices, Electric and electronic parts for colour printer, Fire-fighting foams  Common  Articles  Appendix 9 for the applicable substances  Common  Common  Common	Intentional use prohibited  Intentional use prohibited  Intentional use prohibited  No more than 0.1ppm  Intentional use prohibited  No more than 1000ppm  No more than 1000ppm	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law  JPN Chemical Examination Law/Type 1 Specified Chemical Substances POPs EU Regulation No.757/2010 CAN Perfluorooctane Sulfonate and its Salts and Certain Other Compounds Regulations SOR /2008–178. Canadian Environmental Protection Act, 1999  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH Authorisation/SVHC  JPN Chemical Examination Law/Type 1 Specified Chemical Substances EU REACH/Ristriction EU CLP Annex I EU REACH Regulation/Restriction  LO NEACH Regulation/SVHC  (See Appendix 7 for the applicable substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)  EU REACH Regulation/Restriction No.51  EU ROHS Directive (from July,2019)  EU REACH Regulation/SVHC  (See Appendix 7 for the applicable Substances)	Translatio to Level 1 following date: Products oparts correspon to EU RoHS/Cat

A	LL accel 1/Da	LILIA A
Anney 1		

NO	Substance group (English)	Scope of regulation concerning use and handling	Control value of Hitachi group *	Reference laws and regulations	Remarks
23	Perfluorooctanoic acid (PFOA) - and its salts and PFOA-related compounds	Common	Intentional use prohibited and 0.025ppm (25ppb) or less of PFOA including its salts or 1ppm (1000ppb) of one or a combination of PFOA-related compounds	POPs JPN Chemical Examination Law/Type 1 Specified Chemical Substances Domestic low in Norway (See Appendix 6 & 10 for the applicable substances)	
24	Perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain (C9- C14 PFCAs), their salts and C9-C14 PFCArelated substances	Common	Intentional use prohibited and less than 0.025ppm of C9-C14 PFCAs including its salts or 0.26ppm of one or a combination of C9-C14 PFCA related substances	EU REACH Regulation/Restriction No.68	
25	- Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxSrelated compounds	Common	Intentional use prohibited	POPs EU REACH Regulation/SVHC Domestic law in Switzerland	
26	Dechlorane Plus (DP)	Common	Intentional use prohibited	•POPs •EU REACH/Authorization,SVHC	
27	2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	Common	Intentional use prohibited	•POPs •EU REACH/Authorization,SVHC	

\* This is specified as control value for PROTERIAL group in reference to related laws and regulations (Reference laws and regulations column).

5/42 Annex 2. Level 2 (Controlled substance group) rev.2.0 2023.10.01 Reference laws and regulations or Industrial Substance group (English) Remarks Nο standards Antimony and its compounds (which include alloys) 1 EU Safety of toys Directive Arsenic and its compounds (which include alloys) EU REACH Regulation/Restriction (See Appendix 6 for the applicable substances) EU Safety of toys Directive JPN Industrial Safety and Health Law (Labelling 2-1 2 duty of notifiable substances and Specified Group-2 Substances of Ordinance on Prevention of Hazards Due to Specified Chemical Substances) Diarsenic pentaoxide and Diarsenic EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances) trioxide Beryllium and its compounds (which include alloys) 3 JPN Industrial Safety and Health Law (Manufacturing licence) Nickel and its compounds (which include alloys) EU REACH Regulation/Restriction (See Appendix 6 for the applicable substances) EU Safety of toys Directive 4 duty of notifiable substances and Specified Group-2 Substances of Ordinance on Prevention of Hazards Due to Specified Chemical Selenium and its compounds (which include alloys) 5 EU Safety of toys Directive Un-specifc brominated frame retardants Unspecific brominated frame retardants 6 JEDEC JS709 which excepted PBBs and PBDEs IPC-4101 and IEC61249-2-21 Polyvinyl chloride (PVC) and its mixture, its copolymer Phthalate esters other than No.1 - No.4 of this List Bis(2-methoxyethyl) phthalate 8-2 Diisopentylphthalate 8-3 Dipentyl phthalate (DPP) 8-4 Dihexyl phthalate 1,2-Benzenedicarboxylic acid, di-C7-11-EU REACH Regulation/SVHC 8-5 (See Appendix 7 for the applicable substances) branched and linear alkyl esters T,Z-Benzenedicarboxylic acid, di-Co-8 8-6 branched alkyl esters, C7-rich Diisoheptyl htholata (DIUD) 1,2-Benzenedicarboxylic acid, dipentylester, 8-7 8 branched and linear 1,2-Benzenedicarboxylic acid, 8-8 dihexyl ester, branched and linear Di-"isononyl" phthalate (DINP)

	6-9	DI- Isononyi pritnalate (DINP)	
	8-10	Di-"isodecyl" phthalate (DIDP)	EU REACH Regulation/Restriction (See Appendix 6 for the applicable substances)
	8-11	Di-n-octyl phthalate (DNOP)	
	8-12	Other pfthalate esters	-
	Ozone I	ayer depleting substances	
9		HCFCs (Fall into Montreal Protocol Class II )	Montreal Protocol on Substances that Deplete the Ozone Layer JPN Ozone Layer Protection Law (Content controlled substances)
	Radioac	tive substances	
10		-	JPN Nuclear Reactor Regulation Law JPN Radiation Hazard Prevention Act
	Di-subs	tituted organostannic compounds	
	11-1	Dibutyltin compounds (DBT)	EU REACH Regulation/Restriction (See
11	11-2	Dioctyltin compounds (DOT)	Appendix 6 for the applicable substances)

Annex 2\_Level 2 (Controlled) 6/42

			Defense a lama and manufactions on Endors 1.1	
No		Substance group (English)	Reference laws and regulations or Industrial standards	Remarks
	11-3	Other di-substituted organostannic compounds	-	
	Cobalt a	and its compounds (which include alloys)		
10	12-1	-	EU Safety of toys Directive JPN Industrial Safety and Health Law (Labelling duty of notifiable substances and Specified Group-2 Substances of Ordinance on Prevention of Hazards Due to Specified Chemical	
12	12-2	Cobalt(II) chloride	of frazards bue to opecified offerfilear	
	12-3	Cobalt(II) sulfate	_	
		Cobalt(II) nitrate	EU REACH Regulation/SVHC (See Appendix 7	
		Carbonic acid cobalt(II)	for the applicable substances)	
		Cobalt(II) acetate	1	
		s and azocolourants which form specified	amines	
10		ed amines : See Appendix 8 for the applic		
13		_	EU REACH Regulation/Restriction (See	
			Appendix 6 for the applicable substances)	
14	-	Formaldehyde	JPN Law for the Control of Household Products containing Harmful Substances GER Prohibition of Chemicals Ordinance – ChemVerbotsV	
15	-	Benzene	JPN Industrial Safety and Health Law (Labelling duty of notifiable substances and Specified Group-2 Substances of Ordinance on Prevention of Hazards Due to Specified Chemical Substances)	
	Fluorine	based greenhouse gasses (HFC, PFC, SF		
16		-	JPN Law Concerning the Promotion of Measures Against Global Warming EU Regulation (EC)No.842/2006	
17	_	2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	TSCA PBT Regulation	
18	_	Isopropylphenyl phosphate (PIP(3:1))	TSCA PBT Regulation	
19	-	Pentachlorothiophenol (PCTP)	TSCA PBT Regulation	
20	-	Hexachlorobutadiene (HCBD)	TSCA PBT Regulation	
21	_	Per/polyfluoroalkyl compounds (PFAS)	•EU REACH/Restriction	
22	_	Decabromodiphenylethane (DBDPE)	• Canada CTSR	
	Debrass	lic-aromatic hydrocarbons (PAHs) corresp		
23	Loidcac	See Appendix 6 for the applicable	EU REACH Regulation/Restriction	
20	1	substances	(See Appendix 6 for the applicable substances)	
	REACH	Restriction substances	The state of the s	
24		See Appendix 6 for the applicable	EU REACH Regulation/Restriction (See	
	1	substances	Appendix 6 for the applicable substances)	
	REACH	Authorization substances	1	
25		See Appendix 7 for the applicable	EU REACH Regulation/Authorization (See	
=	1	substances	Appendix 7 for the applicable substances)	
	REACH	I	1,1	
26		See Appendix 7 for the applicable substances	EU REACH Regulation/SVHC (See Appendix 7 for the applicable substances)	
	JAMP d	eclarable substances (Including chemSHE	• •	
27	37 4	_	JAMP declarable substances (Including chemSHERPA#10)	

(Notes)
In relation to REACH/restriction substance group
Although this substance group belongs to the Level 2 (Controlled substance group), it may be prohibited to use in some particular applications.
Each substance in this group is restricted to be banned etc. When the substance is used under the condition of restriction which is individually specified in REACH Regulation.
Therefore, when one or more of the substances is contained in a product, it is necessary to compare the use of the relevant product with the restricted use of the

3–1\_RoHS Exclusion

#### Appendix 3-1. The exemptions of RoHS $\rm I\!I$ Annex3

vov. 2.0 /2022 10.1

7/42

About exemptions already expired, these exempions may be used in spare parts for EEE placed on the market before expired day of each exemption continuously.

(from 4(f) of Article4)

				(from 4(f) of Article4)
No	Subs- tance	Exemption	Scope	and dates of applicability
1		Mercury in single capped (compact) fluorescent lamps not exceeding (per	burner):	
1(a)		For general lighting purposes < 30 W: 5 mg	5 mg	Expired on 31 December 2011 Expires on 31
. (۵)		. o. gonoral igning parposes 1 or 11 or ing		December 2012
			2.5 mg	Expired on 31
1(b)		For general lighting purposes ≥ 30 W and < 50 W: 5 mg	5 mg	December 2011
			3.5 mg	Exoires on 24 February 2023
1(c)		For general lighting purposes ≧ 50 W and < 150 W: 5 mg	5 mg	Exoires on 24 February 2023
1(d)		For general lighting purposes ≥ 150 W: 15 mg	15 mg	Exoires on 24 February 2023
1(e)		For general lighting purposes with circular or square structural shape and	No limitation of use	until 31 december 2011
, ,		tube diameter <u>≤</u> 17 mm	7 mg	Exoires on 24 February 2023
1(f)-I		For lamps designed to emit mainly light in the ultraviolet spectrum	5 mg	Expires on 24 February 2027
1(f)-II		For special purposes For general lighting purposes < 30 W with a lifetime equal or above 20	5mg	Expires on 24 February 2025
1(g)		000 h	3.5 mg	Expires on 31 December 2017  ⇒Remain in force until the decision on
2(a)		Mercury in double-capped linear fluorescent lamps for general lighting purp lamp):	ooses not exceeding (per	
2(a)(1)		Tri-band phosphor with normal lifetime and a tube diameter < 9 mm	5 mg	Expired on 31December 2011
-(\alpha)(\cdot)		(e.g. T2): 5 mg	4mg	Exoires on 24 February 2023
?(a)(2)		Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 5 mg	5 mg	Expired on 31December 2011
·(u)(=)			4mg	Exoires on 24 February 2023
2(a)(3)		Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and	5.0mg	Expired on 31December 2011
,,,,		≤ 28 mm (e.g. T8): 5 mg	3.5mg	Exoires on 24 February 2023
2(a)(4)		Tri-band phosphor with normal lifetime and a tube diameter > 28 mm	5.0mg	Expired on 31December 2012
		(e.g. T12): 5 mg	3.5mg	Exoires on 24 February 2023
2(a)(5)		Tri-band phosphor with long lifetime (≥ 25000h): 8 mg	8.0mg	Expired on 31December 2011
			5.0mg	Exoires on 24 February 2023
2(b)		Mercury in other fluorescent lamps not exceeding (per lamp):		
2(b)(1)		Linear halophosphate lamps with tube >,28 mm (e.g. T10 and T12): 10 $$ mg $$	10 mg	Expires on 13 April 2012
2(b)(2)		Non-linear halophosphate lamps (all diameters): 15 mg	15 mg	Expires on 13 April 2016
			No limitation of use	Expired on 31December 2011
2(b)(3)		Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9)	15 mg	Expires on 24 February 2023 (*Applies from 25 February 2023 and expires 24 February 2025)
2(b)(4)		Lamps for other general lighting and special purposes (e.g. induction	No limitation of use	Expired on 31December 2011
-1		lamps)	15 mg	Exoires on 24 February 2023
!(b)(4) -II	Hg	Lamps emitting mainly light in the ultraviolet spectrum	15 mg	Expires on 24 February 2027
2(b)(4) -III	3	Emergency lamps	15mg	Expires on 24 February 2027
3(a)		Short length ( ≤500 mm)	No limitation of use	Expired on 31December 2011
J(a)		Short longin ( =200 min)	3.5mg	Expires on 24 February 2025
7		Medium length ( >500mm and ≤ 1500 mm)	No limitation of use	Expired on 31December 2011
3(h)		10.1g ( - 000 and = 1000 mm)	Ema	Expires on 24 February 2025
3(b)			5mg	Expires on 24 February 2023
3(b)		Long length ( > 1500 mm)	No limitation of use	Expired on 31December 2011 Expires on 24 February 2025

No	Subs- tance	Exemption	Scope	and dates of applicability
4(a)		mercury in other low pressure discharge lamps (per lamp)	15mg	Expires on 24 February 2023
4(a)-I		Low pressure non-phosphor coated discharge lamps, where the application requires the main range of the lamp-spectral output to be in the ultraviolet spectrum	15mg	Expires on 24 February 2027
4(b)		Mercury in High Pressure Sodium (vapour) lamps for general lighting purpoburner) in lamps with improved colour rendering index Ra > 60:	oses not exceeding (per	Expires on 24 February 2027
4(b)-I		P ≤ 155 W	No limitation of use	Expired on 31December 2011
			30mg	Expires on 24 February 2023
4(b)- Ⅱ		155W < P ≤ 405 W	No limitation of use	Expired on 31December 2011 Expires on 24 February 2023
			No limitation of use	Expired on 31December 2011
4(b)-Ⅲ		P > 405 W	40mg	Expires on 24 February 2023
4(c)		Mercury in other High Pressure Sodium (vapour) lamps for general lighting	purposes not exceeding	
		(per burner):	No limitation of use	Everyand on 24 December 2014
4(c)-I		P ≤ 155 W	No limitation of use	Expired on 31December 2011
4(0)-1		1 2 155 W	25mg	Expires on 30 September 2022
			20mg	Expired on 24 February 2027
4/-) T		AFFW - D < 40FW	No limitation of use	Expired on 31December 2011
4(c)- Ⅱ		155W < P ≤ 405W	30mg	Expires on 30 September 2022
			25mg	Expires on 24 February 2027
4/-\ TT		D . 405 W	No limitation of use	Expired on 31December 2011
4(c)-Ⅲ		P > 405 W	40mg	Expires on 30 September 2022
4/-1\		Marauru in High Drangura Marauru (((angur) Jampa (HDMA))	25mg	Expires on 24 February 2027 Expires on 13 April 2015
4(d)		Mercury in High Pressure Mercury (vapour) lamps (HPMV)		(the exclusion abolition)
4(e)		Mercury in metal halide lamps(MH)		Categories 8 and 9 except for the following; Expired on 21 July 2021 (exclusion abolition)
				Expires on 24 February 2027
4(f)-l		Other discharge lamps for special purposes not specifically mentioned in the	nis Annex	Expires on 24 February 2025
4(f)-II		High pressure mercury vapour lamps used in projectors where an outpurequired	t >= 2000 lumen ANSI is	Expires on 24 February 2027
4(f)-III		High pressure sodium vapour lamps used for horticulture lighting		Expires on 24 February 2027
4(f)-IV		Lamps emitting light in the ultraviolet spectrum		Expires on 24 February 2027
4(g)		Mercury in hand crafted luminous discharge tubes used for signs, decorating specialist lighting and light-artwork, where the mercury content shall be limically 20 mg per electrode pair + 0,3 mg per tube length in cm, but not more for outdoor applications and indoor applications exposed to temperature (b) 15 mg per electrode pair + 0,24 mg per tube length in cm, but not more for all other indoor applications.	ited as follows: than 80 mg, es below 20 °C;	Expires on 31 December 2018
5(a)		Lead in glass of cathode ray tubes		Cat.1-7 and 10 :Expired on 21 July 2016 Cat. 8 and 9 except for the following:Expired on 21 July 2021 In vitro diagnostic medical devices:
				Expires on 21 July 2023  (osclusion abolition) Industrial monitoring and control instruments:
5(b)		Lead in the glass of fluorescent tubes not exceeding 0,2% by weigh		Expires on 21 July 2024 Categories 8 and 9 except for the following; Expired on 21 July 2021 Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 (exclusion abolition) Categories 1-7,10; Remain in force until the decision on extension application continuously
6(a)		Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0,35% lead by weight	up to 0.35 % lead by weight	Category 9 industrial monitoring and control instruments and Category 11; Expires on 21 July 2024 Categories 1- 7 and 10;Expired on 30 June 2019 Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 (exclusion abolition) Categories 8 and 9 except for the following; Remain in force until the decision on extension
				application continuously Category 9 industrial monitoring and control instruments and Category 11; Expires on 21 July 2024
6(a)-I		Lead as an alloying element in steel for machining purposes containing up to 0.35 % lead by weight and in batch hot dip galvanised steel components containing up to 0.2% lead by weight	up to 0.35 % lead by weight	Categories 1-7 and 10; Remain in force until the decision on extension application continuously Categories 1-7 and 10; Expired on 30 June 2019
				Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 (exclusion abolition)

No	Subs- tance	Exemption	Scope	and dates of applicability	
6(b)		Lead as an alloying element in aluminium containing up to 0,4% lead by weight	up to 0.4 % by weight	Categories 8 and 9 except for the following; Remain in force until the decision on extension application continuously Category 9 industrial monitoring and control instruments and Category 11; Expires on 21 July 2024	
6(b)-I		Lead as an alloying element in aluminium containing up to 0.4% lead by weight, provided it stems from lead-bearing aluminium scrap recycling	up to 0.4 % by weight	Categories 1-7 and 10; Remain in force until the decision on extension application continuously	
6(b)-II		Lead as an alloying element in aluminium for machining purposes with a lead content up to 0.4% by weight	up to 0.4 % by weight	Categories 1-7 and 10; Remain in force until the decision on extension application continuously	
6(c)	Pb	Copper alloy containing up to 4% lead by weight	up to 4 % lead by weight	Categories 1-7,10 and Categories 8, 9 except for the following; Remain in force until the decision on extension application continuously Category 8 in vitro diagnostic medical devices, Category 9 industrial monitoring and control instruments and Category 11	
7(a)		Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)		Categories 1-7 and 10 (Except applications covered by point 24) and Categories 8, 9 except for the following; Remain in force until the decision on extension application continuously Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11; Expires on 21 July 2024	
7(b)		Lead in solders for servers, storage and storage array systems, network in for switching, signalling, transmission, and network management for teleco		Cat. 1-7 and 10:  Expires on 21 July 2016  Cat. 8 and 9 except for the following:  Expires on 21 July 2021  In vitro diagnostic medical devices:  Expires on 21 July 2023  Altho exclusion abolition Industrial monitoring and control instruments:	
7(c)-I			cal and electronic components containing lead in a glass or ceramic other than dielectric ic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound		
7(c)-II		Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or	Expires on 21 July 2024 Categories 1-7.10 and Categories 8, 9 except for the following; Remain in force until the decision on extension application continuously Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11;		
7(c)- (III)		Lead in dielectric ceramic in capacitors for a rated voltage of less than 125	5 V AC or 250 V DC	Expires on 21 July 2024 Expires on 1 Janualy 2013 (the exclusion abolition)	
7(c)- (IV)		Lead in PZT based dielectric ceramic materials for capacitors being pardiscrete semiconductors'	rt of integrated circuits or	Expired on:  — 21 July 2021 for categories 1-7 and 10  — 21 July 2021 for categories 8 and 9 except for the following;  — 21 July 2023 for category 8 in vitro diagnostic medical devices  (exclusion abolition)  Expires on: — 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11	
8(a)		Cadmium and its compounds in one shot pellet type thermal cut-offs		Expires on 1 Janualy 2012 (the exclusion abolition)	
8(b)	Cd	Cadmium and its compounds in electrical contacts		29 Feb 2020 for categories 1-7 and 10 (the exclusion abolition) Categories 8 and 9 except for the following; Remain in force until the decision on extension application continuously Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11;	
I-(d)8		Cadmium and its compounds in electrical contacts used in:  — circuit breakers,  — thermal sensing controls,  — thermal motor protectors (excluding hermetic thermal motor protectors)  — AC switches rated at:  — 6 A and more at 250 V AC and more, or  — 12 A and more at 125 V AC and more,  — DC switches rated at 20 A and more at 18 V DC and more, and  — switches for use at voltage supply frequency ≥ 200 Hz.	),	Categories 1-7 and 10; Remain in force until the decision on extension application continuously Apply from March 1, 2020	
9	Cr(VI)	Hexavalent chromium as an anticorrosion agent of the carbon steel cool refrigerators up to 0.75 % by weight in the cooling solution	ing systems in absorption	Expired on:  — 21 July 2021 for categories 8 and 9 other than the following:  — 21 July 2023 for category 8 in vitro diagnostic medical devices; (exclusion abolition)  Expires on:  — 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11	
9(a)-I		Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion agent i carbon steel cooling systems of absorption refrigerators (including minibars) d partly with electrical heater, having an average utilised power input $<$ 75W at c	esigned to operate fully or	Applies to categories 1-7 and 10 and expired on 5 March 2021. (exclusion abolition)	

No	Subs- tance	Exemption	Scope	and dates of applicability
9(a)-II		Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion agent is carbon steel cooling systems of absorption refrigerators: — designed to operate electrical heater, having an average utilised power input ≥75 W at constant ruldesigned to fully operate with non-electrical heater	e fully or partly with	Categories 1-7 and 10; Remain in force until the decision on extension application continuously
9(b)		Lead in bearing shells and bushes for refrigerant-containing compressors conditioning and refrigeration (HVACR) applications	or heating, ventilation, air	Expired on:  — 21 July 2021 for categories 8 and 9 other than the following;  Applies to categories 8, 9 and 11; expires on:  — 21 July 2023 for category 8 in vitro diagnostic medical devices, (exclusion abolition)  — 21 July 2024 for category 9 industrial monitoring and control instruments and for category 11,  — 21 July 2021 for other subcategories of categories 8 and 9.
9(b)(1)	Pb	Lead in bearing shells and bushes for refrigerant-containing hermetic scroll coelectrical power input equal or below 9kW for heating, ventilation, air condition (HVACR) applications		Applies to category 1; expires on 21 July 2019.
11(a)		Lead used in C-press compliant pin connector systems		Expires on 24 September 2010 (the exclusion abolition)
11(b)		Lead used in other than C-press compliant pin connector systems		Expires on 1 Janualy 2013 (the exclusion abolition)
12		Lead as a coating material for the thermal conduction module C-ring		Expires on 24 September 2010 (the exclusion abolition)
13(a)		Lead in white glasses used for optical applications		Categories 1-7,10 and Categories 8, 9 except for the following; Remain in force until the decision on extension application continuously Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11; Expires on 21 July 2024
13(b)	Cd Pb	Cadmium and lead in filter glasses and glasses used for reflectance stand	ards	Categories 8, 9 except for the following; Remain in force until the decision on extension application continuously Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11; Expires on 21 July 2024
13(b)- (I)	Pb	Lead in ion coloured optical filter glass types		Categories 1-7 and 10; Remain in force until the decision on extension application continuously
13(b)- (II)	Cd	Cadmium in striking optical filter glass types; excluding applications falling und	er point 39	Categories 1-7 and 10; Remain in force until the decision on extension application continuously
13(b)- (III)	Cd Pb	Cadmium and lead in glazes used for reflectance standards		Categories 1-7 and 10; Remain in force until the decision on extension application continuously
14		Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight	80 % and less than 85 % by weight	Expires on 1 Janualy 2011 (the exclusion abolition)
15		Lead in solders to complete a viable electrical connection between semi within integrated circuit flip chip packages	conductor die and carrier	Expires on  — 29 Feb 2020 for categories 1-7 and 10 (the exclusion abolition) Categories 8, 9 except for the following; Remain in force until the decision on extension application continuously Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11; Expires on 21 July 2024
15(a)		Lead in solders to complete a viable electrical connection between the sen carrier within integrated circuit flip chip packages where at least one of the — a semiconductor technology node of 90 nm or larger; —a single die of 300 mm2 or larger in any semiconductor technology node—stacked die packages with die of 300 mm2 or larger, or silicon interpose	following criteria applies:	Categories 1-7 and 10; Remain in force until the decision on extension application continuously Apply from March 1, 2020
16		Lead in linear incandescent lamps with silicate coated tubes		Expired on 1 September 2013
17	Pb	Lead halide as radiant agent in high intensity discharge (HID) lamps used reprography applications	or professional	Cat. 1,7 and 10: Expires on 21 July 2016 Cat. 8 and 9 except for the following: Expires on 21 July 2021 In vitro diagnostic medical devices: Expires on 21 July 2023 Industrial monitoring and control instruments:
18(a)		Lead as activator in the fluorescent powder (1 % lead by weight or less) used as speciality lamps for diazoprinting reprography, lithography, insect curing processes containing phosphors such as SMS ((Sr,Ba		Expires on 21 July 2024  •Expires on 1 January 2011
18(b)		Lead as activator in the fluorescent powder (1% lead by weight or less) used as sun tanning lamps containing phosphors such as BSP (BaSi <sub>2</sub> O <sub>5</sub> :P		Categories 1-7,10 and Categories 8, 9 except for the following; Remain in force until the decision on extension application continuously Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11; Expires on 21 July 2024
		Lead as activator in the fluorescent powder (1 % lead by weight or less) of	discharge lamps	Category 8 in vitro diagnostic medical devices; Expired on 21 July 2021 (exclusion abolition)

No	Subs- tance	Exemption	Scope	and dates of applicability
18(b)-I		containing phosphors such as BSP (BaSi2O5:Pb) when used in medical phototherapy equipment		Categories 5 and 8 (except applications covered by entry 34 of Annex IV); Remain in force until the decision on extension application continuously
19		Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSn-Hg as auxiliary amalgam in very compact energy saving lamps (ESL)		Expired on 1 June 2011
20		Lead oxide in glass used for bonding front and rear substrates of flat fluctional Liquid Crystal Displays (LCDs)	orescent lamps used for	Expired on 1 June 2011
21	Cd Pb	Lead and cadmium in printing inks for the application of enamels on glas and soda lime glasses	ses, such as borosilicate	expired on: - 29 Feb 2020 for categories 1-7 and 10 - 21 July 2021 for categories 8 and 9 other than the following; - 21 July 2023 for category 8 in vitro diagnostic medical devices (exclusion abolition) expires on: - 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11
21(a)		Cadmium when used in colour printed glass to provide filtering functions, used lighting applications installed in displays and control panels of EEE	as a component in	Expires on 21 July 2021 for Categories 1 to 7 and 10 except applications covered by entry 21(b) or entry 39  Apply from March 20, 2020
21(b)	Cd	Cadmium in printing inks for the application of enamels on glasses, such as bo glasses	rosilicate and soda lime	Expires on 21 July 2021 for Categories 1 to 7 and 10 except applications covered by entry 21(a) or 39
21(c)	Pb	Lead in printing inks for the application of enamels on other than borosilicate	glasses	Apply from March 20, 2020 expires on 21 July 2021 for categories 1 to 7 and 10
23		Lead in finishes of fine pitch components other than connectors with a pitch	n of 0,65 mm and less	Apply from March 20, 2020  Expires on 24 September 2010 (the exclusion abolition)
24		Lead in solders for the soldering to machined through hole discoidal a multilayer capacitors	and planar array ceramic	Categories 1-7,10 and Categories 8, 9 except for the following:  Remain in force until the decision on extension application continuously  Category 8 in vitro diagnostic medical devices;  Expires on 21 July 2023  Category 9 industrial monitoring and control instruments and Category 11;  Expires on 21 July 2024
25	Pb	Lead oxide in surface conduction electron emitter displays (SED) used in s notably in the seal frit and frit ring	tructural elements,	Categories1-7 and 10: Expired on 21 July 2016 Categories 8 and 9 except for the following: Expired on 21 July 2021 Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11;
26		Lead oxide in the glass envelope of black light blue lamps		Expired on 1 June 2011
27		Lead alloys as solder for transducers used in high-powered (designate hours at acoustic power levels of 125 dB SPL and above) loudspeakers	ed to operate for several	Expired on 24 September 2010
29		Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 ar 69/493/EEC	nd 4) of Council Directive	Categories 8 and 9 except for the following; Expired on 21 July 2021 Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 (exclusion abolition) Categories 1-7,10; Remain in force until the decision on extension application continuously Category 9 industrial monitoring and control instruments and Category 11;
30	Cd	Cadmium alloys as electrical/mechanical solder joints to electrical conduct the voice coil in transducers used in high-powered loudspeakers with soun dB (A) and more		Expires on 21 July 2024 Categories1-7 and 10: Expired on 21 July 2016 Categories 8 and 9 except for the following: Expired on 21 July 2021 Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11;
31		Lead in soldering materials in mercury free flat fluorescent lamps (which e. crystal displays, design or industrial lighting)	g. are used for liquid	Expires on 21 July 2024 Categories1-7 and 10: Expired on 21 July 2016 Categories 8 and 9 except for the following: Expired on 21 July 2021 Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control instruments and Category 11;
32	Pb	Lead oxide in seal frit used for making window assemblies for Argon and R	rypton laser tubes	Expires on 21 July 2024  Category 8 in vitro diagnostic medical devices; Expired on 21 July 2023 (exclusion abolition)  Categories 1-7,10 and Categories 8, 9 except for the following; Remain in force until the decision on extension application continuously Category 9 industrial monitoring and control instruments and Category 11; Expires on 21 July 2024

No	Subs- tance	Exemption	Scope	and dates of applicability
33		Lead in solders for the soldering of thin copper wires of 100 μm diameter a transformers	and less in power	Categories1-7 and 10: Expired on 21 July 2016 Categories 8 and 9 except for the following: Expired on 21 July 2021 Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control
34		Lead in cermet-based trimmer potentiometer elements		instruments and Category 11;  Categories 1-7,10 and Categories 8, 9 except for the following;  Remain in force until the decision on extension application continuously  Category 8 in vitro diagnostic medical devices;  Expires on 21 July 2023  Category 9 industrial monitoring and control instruments and Category 11;  Expires on 21 July 2024
36	Hg	Mercury used as a cathode sputtering inhibitor in DC plasma displays wi	th a content up to 30 mg	· ·
37	Pb	per display  Lead in the plating layer of high voltage diodes on the basis of a zinc borat	e glass body	2010  Expired on 21 July 2021  Categories 8 and 9 other than the following:  Expired on 21 July 2021  Expired on 21 July 2021  — 21 July 2023 for category 8 in vitro diagnostic medical devices  _ (exclusion abolition)  Expires on: — 21 July 2024 for category 9 industrial monitoring and control instruments, and for
38	Cd	Cadmium and cadmium oxide in thick film pastes used on aluminium bond	ed beryllium oxide	category 11 Categories1-7 and 10: Expired on 21 July 2016 Categories 8 and 9 except for the following: Expired on 21 July 2021 Category 8 in vitro diagnostic medical devices; Expires on 21 July 2023 Category 9 industrial monitoring and control
39		Cadmium in colour converting II-VI LEDs (< 10 μg Cd per mm² of light	-emitting area) for use in	instruments and Category 11; Expires on 21 July 2024 Expires on 1 July 2014
39(a)		solid state illumination or display systems Cadmium selenide in downshifting cadmium-based semiconductor nanocry use in display lighting applications (< 0,2 μg Cd per mm2 of display screen		Remain in force until the decision on extension application continuously
40		Cadmium in photoresistors for analogue optocouplers applied in profession	nal audio equipment	Expires on 31  December 2013  Applies to all categories and expires on:
41		Lead in solders and termination finishes of electrical and electronic corprinted circuit boards used in ignition modules and other electrical and systems, which for technical reasons must be mounted directly on or in the hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 9 Parliament and of the Council	electronic engine control e crankcase or cylinder of	- 31 March 2022 for categories 1 to 7, 10 and 11; - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices:
	Pb			Applies to all categories and expires on:  — 21 July 2024 for category 9 industrial monitoring and control instruments.
42		Lead in bearings and busines of dieser or gaseous fuer powered inter- applied in non-road professional use equipment: — with engine total displacement ≥ 15 litres; or — with engine total displacement < 15 litres and the engine is designed where the time between signal to start and full load is required to be I regular maintenance is typically performed in a harsh and dirty outdo	to operate in applications ess than 10 seconds; or or environment, such as	Expires on 21 July 2024 for Category 11, excluding applications covered by entry 6(c)
43	DEHP	minion construction and acriculture analications. Bis (2-ethylinexyl) phthalate in rubber components in engine systems, design that is not intended solely for consumer use and provided that no plastic contact with human mucous membranes or into prolonged contact work concentration value of bis(2-ethylinexyl) phthalate does not exceed:  (a) 30% by weight of the rubber for (i) gasket coatings; (ii) solid-rubber gaskets; or (iii) rubber components included in assemblies of at least three commechanical or hydraulic energy to do work, and attached to the engine.  (b) 10% by weight of the rubber, for rubber-contact with human skin' meanore than 10 minutes duration or intermittent contact over a period of 30 never the purposes of this entry, 'prolonged contact with human skin' meanore than 10 minutes duration or intermittent contact over a period of 30 never the purpose of the purpose	ponents using electrical, erred to in point (a).	Applies to category 11 and expires on 21 July 2024
44	Pb	Lead in solder of sensors, actuators, and engine control units (ECUs) of of the scope of Regulation (EU) 2016/1628 of the European Parliament and of equipment used at fixed positions while in operation which is designed for used by non-professional users	combustion engines within of the Council, installed in	Applies to category 11 and expires on 21 July
45	Pb Cr	Lead diazide, lead styphnate, lead dipicramate, orange lead (lead tetroxid and electronic initiators of explosives for civil (professional) use and bariupyrotechnic delay charges of electric initiators of explosives for civil (professional)	um chromate in long time	
/Dies	l			<u> </u>

(Disclaimers)
PROTERIAL group does not guarantee any contents in exemption of RoHS II described above.
Please refer to the original law text regarding the latest information.

## Appendix 3-2. The exemptions of RoHS II Annex4 (The exemptions of category 8&9)

rev.1.0/2023.1.4

No.	Exemption
Equ	ipment utilising or detecting ionising radiation
1	Lead, cadmium and mercury in detectors for ionising radiation.
2	Lead bearings in X-ray tubes.
3	Lead in electromagnetic radiation amplification devices: micro-channel plate and capillary plate.
4	Lead in glass frit of X-ray tubes and image intensifiers and lead in glass frit binder for assembly of gas lasers and for vacuum tubes that convert electromagnetic radiation into electrons.  Expires on 21 July 2021 for medical devices other than in-vitro diagnostic medical devices and industrial instruments other than monitoring and control
5	Lead in shielding for ionising radiation.
6	Lead in X-ray test objects.  Expires on 21 July 2021 for medical devices other than in-vitro diagnostic medical devices and industrial instruments other than monitoring and control
7	Lead stearate X-ray diffraction crystals.  Expires on 21 July 2021 for medical devices other than in-vitro diagnostic medical devices and industrial instruments other than monitoring and control
	Radioactive cadmium isotope source for portable X-ray fluorescence spectrometers.  Expires on 21 July 2021 for medical devices other than in-vitro diagnostic
Sen	sors, detectors and electrodes
1a	Lead and cadmium in ion selective electrodes including glass of pH electrodes.
1b	Lead anodes in electrochemical oxygen sensors.
1c	Lead, cadmium and mercury in infra-red light detectors.
1d	Mercury in reference electrodes: low chloride mercury chloride, mercury sulphate and mercury oxide.  Expires on 21 July 2021 for medical devices other than in-vitro diagnostic
Oth	medical devices and industrial instruments other than monitoring and control
Oth	ers Cadmium in helium-cadmium lasers.
9	Expires on 21 July 2021 for medical devices other than in-vitro diagnostic medical devices and industrial instruments other than monitoring and control
10	Lead and cadmium in atomic absorption spectroscopy lamps.  Expires on 21 July 2021 for medical devices other than in-vitro diagnostic medical devices and industrial instruments other than monitoring and control
11	Lead in alloys as a superconductor and thermal conductor in MRI.
12	Lead and cadmium in metallic bonds creating superconducting magnetic circuits in MRI, SQUID, NMR (Nuclear Magnetic Resonance) or FTMS (Fourier Transform Mass Spectrometer) detectors.  Expires on 21 July 2021 for medical devices other than in-vitro diagnostic medical devices and industrial instruments other than monitoring and control
13	Lead in counterweights.
14	Lead in single crystal piezoelectric materials for ultrasonic transducers.
15	Lead in solders for bonding to ultrasonic transducers.
16	Mercury in very high accuracy capacitance and loss measurement bridges and in high frequency RF switches and relays in monitoring and control instruments not exceeding 20 mg of mercury per switch or relay.  Expires on 21 July 2021 for medical devices other than in-vitro diagnostic
17	medical devices and industrial instruments other than monitoring and control Lead in solders in portable emergency defibrillators.

No.	Exemption
140.	Lead in solders of high performance infrared imaging modules to detect in the
	range 8-14 µm.
18	Expires on 21 July 2021 for medical devices other than in-vitro diagnostic
	medical devices and industrial instruments other than monitoring and control
	Lead in Liquid crystal on silicon (LCoS) displays.
19	Expires on 21 July 2021 for medical devices other than in-vitro diagnostic
	medical devices and industrial instruments other than monitoring and control Cadmium in X-ray measurement filters.
20	Expires on 21 July 2021 for medical devices other than in-vitro diagnostic
	medical devices and industrial instruments other than monitoring and control
	Cadmium in phosphor coatings in image intensifiers for X-ray images until 31
21	December 2019 and in spare parts for X-ray systems placed on the EU market
	before 1 January 2020.
	Lead acetate marker for use in stereotactic head frames for use with CT and
22	MRI and in positioning systems for gamma beam and particle therapy
	equipment. Expires on 30 June 2021.
	Lead as an alloying element for bearings and wear surfaces in medical
23	equipment exposed to ionising radiation.
	Expires on 30 June 2021.
	Lead enabling vacuum tight connections between aluminium and steel in X-ray
24	image intensifiers.
	Expires on 31 December 2019.
	Lead in the surface coatings of pin connector systems requiring nonmagnetic
25	connectors which are used durably at a temperature below – 20 ° C under normal operating and storage conditions.
	Expires on 30 June 2021. Lead in
	— solders on printed circuit boards,
	— termination coatings of electrical and electronic components and coatings of
	printed circuit boards,
	<ul> <li>solders for connecting wires and cables,</li> <li>solders connecting transducers and sensors,</li> </ul>
	that are used durably at a temperature below – 20 ° C under normal operating
26	and storage conditions.
	Lead in solders of electrical connections to temperature measurement sensors
	in devices which are designed to be used periodically at temperatures below –
	150 °C.
	Expires on 30 June 2021.
	For in-vitro diagnostic medical devices; Expires on 30 June 2021
	For others in Categories 8 and 9: Remain in force until the decision on Lead in
	— solders,
	— termination coatings of electrical and electronic components and printed
	circuit boards,
	— connections of electrical wires, shields and enclosed connectors,
27	which are used in
27	(a) magnetic fields within the sphere of 1 m radius around the isocentre of the magnet in medical magnetic resonance imaging equipment, including patient
	monitors designed to be used within
	this sphere, or
	(b) magnetic fields within 1 m distance from the external surfaces of
	cyclotron magnets, magnets for beam transport and beam direction control
	applied for particle therapy.
	Lead in solders for mounting cadmium telluride and cadmium zinc telluride
28	digital array detectors to printed circuit boards.
	Expires on 31 December 2017.

No.	Exemption
29	Lead in alloys, as a superconductor or thermal conductor, used in cryo-cooler cold heads and/or in cryo-cooled cold probes and/or in cryo-cooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments.  Expires on 30 June 2021.
	For others in Categories 8 and 9; Remain in force until the decision on extension application continuously.  Hexavalent chromium in alkali dispensers used to create photocathodes in X-
30	ray image intensifiers until 31 December 2019 and in spare parts for X-ray systems placed on the EU market before 1 January 2020. Lead, cadmium, hexavalent chromium, and polybrominated diphenyl ethers
31a	(PBDE) in spare parts recovered from and used for the repair or refurbishment of medical devices, including in vitro diagnostic medical devices, or electron microscopes and their accessories, provided that the reuse takes place in auditable closed-loop business-to-business return systems and that each reuse of parts is notified to the customer.  For the use in medical devices other than in vitro diagnostic medical devices; Remain in force until the decision on extension application continuously For the use in in vitro diagnostic medical devices; Remain in force until the decision on extension application continuously For the use in electron microscopes and their accessories; Expires on 21 July
32	2024 Lead in solders on printed circuit boards of detectors and data acquisition units for Positron Emission Tomographs which are integrated into Magnetic Resonance Imaging equipment.  Expires on 31 December 2019.
33	Lead in solders on populated printed circuit boards used in Directive 93/42/EEC class IIa and IIb mobile medical devices other than portable emergency defibrillators.  Expires on
	30 June 2016 for class IIa 31 December 2020 for class IIb.
34	Lead as an activator in the fluorescent powder of discharge lamps when used for extracorporeal photopheresis lamps containing BSP (BaSi 2 O 5 :Pb) phosphors.
35	Mercury in cold cathode fluorescent lamps for back-lighting liquid crystal displays, not exceeding 5 mg per lamp, used in industrial monitoring and control instruments placed on the market before 22 July 2017  Expires on 21 July 2024.
36	Lead used in other than C-press compliant pin connector systems for industrial monitoring and control instruments.  Expires on 31 December 2020.  May be used after that date in spare parts for industrial monitoring and control instruments placed on the market before 1 January 2021.
37	Lead in platinized platinum electrodes used for conductivity measurements where at least one of the following conditions applies:  (a) wide-range measurements with a conductivity range covering more than 1 order of magnitude (e.g. range between 0,1 mS/m and 5 mS/m) in laboratory applications for unknown concentrations;  (b) measurements of solutions where an accuracy of +/- 1 % of the sample range and where high corrosion resistance of the electrode are required for any of the following:  (i) solutions with an acidity < pH 1;  (ii) solutions with an alkalinity > pH 13;  (iii) corrosive solutions containing halogen gas;
	(c) measurements of conductivities above 100 mS/m that must be performed with portable instruments.  Expires on 31 December 2025

No.	Exemption
38	Lead in solder in one interface of large area stacked die elements with more than 500 interconnects per interface which are used in X-ray detectors of computed tomography and X-ray systems.  Expires on 31 December 2019.  May be used after that date in spare parts for CT and X-ray systems placed on the market before 1 January 2020.
39	Lead in micro-channel plates (MCPs) used in equipment where at least one of the following properties is present:  (a) a compact size of the detector for electrons or ions, where the space for the detector is limited to a maximum of 3 mm/MCP  (detector thickness + space for installation of the MCP), a maximum of 6 mm in total, and an alternative design yielding more space for the detector is scientifically and technically impracticable;  (b) a two-dimensional spatial resolution for detecting electrons or ions, where at least one of the following applies:  (i) a response time shorter than 25 ns;  (ii) a sample detection area larger than 149 mm2;  (iii) a multiplication factor larger than 1,3 × 103.  (c) a response time shorter than 5 ns for detecting electrons or ions;  (d) a sample detection area larger than 314 mm2 for detecting electrons or ions;  (e) a multiplication factor larger than 4,0 × 107.  The exemption expires on the following dates:  (a) 21 July 2021 for medical devices and monitoring and control instruments;
40	Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC for industrial monitoring and control instruments. Expires on 31 December 2020.  May be used after that date in spare parts for industrial monitoring and control instruments placed on the market before 1 January 2021.
41	Lead as a thermal stabiliser in polyvinyl chloride (PVC) used as base material in amperometric, potentiometric and conductometric electrochemical sensors which are used in in-vitro diagnostic medical devices for the analysis of blood and other body fluids and body gases.  Expires on 31 Dec 2018.  ⇒Remain in force until the decision on extension application continuously
42	Mercury in electric rotating connectors used in intravascular ultrasound imaging systems capable of high operating frequency (> 50 MHz) modes of operation. Expires on 30 June 2019.  Remain in force until the decision on extension application continuously
43	Cadmium anodes in Hersch cells for oxygen sensors used in industrial monitoring and control instruments, where sensitivity below 10 ppm is required.  Expires on 15 July 2023.
44	Cadmium in radiation tolerant video camera tubes designed for cameras with a centre resolution greater than 450 TV lines which are used in environments with ionising radiation exposure exceeding 100 Gy/hour and a total dose in excess of 100kGy. Applies to category 9. Expires on
45	Bis(2-ethylhexyl) phthalate (DEHP) in ion-selective electrodes applied in point of care analysis of ionic substances present in human body fluids and/or in dialysate fluids.  Expires on: 21 July 2028
46	Bis(2-ethylhexyl) phthalate (DEHP) in plastic components in MRI detector coils.
47	Bis(2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP) in spare parts recovered from and used for the repair or refurbishment of medical devices, including in vitro diagnostic medical devices, and their accessories, provided that the reuse takes place in auditable closed-loop business-to-business return systems and that each reuse of parts is notified to the customer.

(Disclaimers)

No. Exemption

PROTERIAL group does not guarantee any contents in exemption of RoHS II described above. Please refer to the original law text regarding the latest information.

Appendix 4. Ozone depleting substances

ass Anr I A							
1 1 -		oup	CEC ICH	lorofluoroogrhon	Sample substances	Chemical form	ula Sample CAS
		Ι	oi o [of	lorofluorocarbon	Trichlorofluoromethane	CFCI <sub>3</sub>	75-69-4
				CFC-12	Dichlorodifluoromethane	CF <sub>2</sub> Cl <sub>2</sub>	75-71-8
				CFC-113	Trichlorotrifluoroethane (CFC-113)	C <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	26523-64-8
					1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)(CAS No 76-13-1) 1,1,1-Trichloro-2,2,2-trifluoroethane (CFC-113a)(CAS No 354-58-5) Trichlorotrifluoroethane (CFC-113) (CAS No 26523-64-8)		354-58-5 76-13-1
				CFC-114	Dichlorotetrafluoroethane (CFC-114)	C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>	1320-37-2
					1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC-114)(CAS No 76-14-2)	-2. 42	374-07-2
					1,1-Dichloro-1,2,2,2-tetrafluoroethane (CFC-114a) (CAS No 1320-37-2, 374- Dichlorotetrafluoroethane (CFC-114) (CAS No 1320-37-2, 374-07-2)		76-14-2
				CFC-115	Chloropentafluoroethane (CFC-115) 1-Chloro-1,1,2,2,2-pentafluoroethane (CFC-115)	C <sub>2</sub> F <sub>5</sub> Cl	76-15-3
Α	A ]	П	Halon	11-1 4044	Decree althoughth and a though	CF <sub>2</sub> BrCl	050 50 0
				Halon-1211 Halon-1301	Bromochlorodifluoromethane		353-59-3
					Bromotrifluoromethane	CF₃Br	75-63-8
				Halon-2402	Dibromotetrafluoroethane 1,2-Dibromo-1,1,2,2-tetrafluoroethane (CAS No 124-73-2) 2,2-Dibromo-1,1,1,2-tetrafluoroethane (CAS No 27336-23-8)	C <sub>2</sub> F <sub>4</sub> Br <sub>2</sub>	124-73-2 25497-30-7 27336-23-8
					Dibromotetrafluoroethane (CAS No 25497-30-7)		27330-23-0
Е	В	I	Other co	mpletely haloger			
				CFC-13	Chlorotrifluoromethane	CF <sub>3</sub> CI	75-72-9
				CFC-111	Pentachlorofluoroethane (CFC-111) (CAS No 354-56-3)	C <sub>2</sub> FCl <sub>5</sub>	354-56-3
					1,1,1,2,2-Pentachloro-2-fluoroethane (CAS No 354-56-3, 29756-45-4) 1,1,2,2-Pentachloro-1-fluoroethane (CAS No 354-56-3) Chlorofluorocarbon-111 (CAS No 954-56-3)	12 13	954-56-3 29756-45-4
				CFC-112	Tetrachlorodifluoroethane (CFC-112)	C <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>	76-11-9
					1,1,2,2-Tetrachloro-1,2-difluoroethane (CFC-112) (CAS No 76-12-0) 1,1,1,2-Tetrachloro-2,2-difluoroethane (CFC-112a) (CAS No 76-11-9)		76-12-0
1				CFC-211	Heptachlorofluoropropane (CFC-211)	C <sub>3</sub> FCl <sub>7</sub>	422-78-6
				1	1,1,1,2,2,3,3-Heptachloro-3-fluoropropane (CFC-211aa) (CAS No 422-78-6)		422-81-1
				0.50	1,1,1,2,3,3,3-Heptachloro-2-fluoropropane (CFC-211ba) (CAS No 422-81-1) Heptachlorofluoropropane (CFC-211) (CAS No 135401-87-5)	0.55	135401-87-5
				CFC-212	Hexachlorodifluoropropane (CFC-212) 1,1,1,3,3,3-Hexachloro-2,2-difluoropropane (HCFC-212) (CAS No 3182-26-1) Hexachlorodifluoropropane (CFC-212) (CAS No 134452-44-1)	C <sub>3</sub> F <sub>2</sub> Cl <sub>6</sub>	134452-44-1 3182-26-1
				CFC-213	Pentachlorotrifluoropropane (CFC-213) 1,1,1,3,3-Pentachloro-2,2,3-trifluoropropane (CFC-213) (CAS No 2354-06-5)	C <sub>3</sub> F <sub>3</sub> Cl <sub>5</sub>	134237-31-3 2354-06-5
				CEC 24.4	Pentachlorotrifluoropropane (CFC-213) (CAS No 134237-31-3)	CEC	2269 40 4
				CFC-214	Tetrachlorotetrafluoropropane (CFC-214) 1,2,2,3-Tetrachloro-1,1,3,3-tetrafluoropropane (CFC-214aa) (CAS No 677-68-1,1,1,3-Tetrachloro-2,2,3,3-tetrafluoropropane (CFC-214cb) (CAS No 2268-	C <sub>3</sub> F <sub>4</sub> Cl <sub>4</sub>	2268-46-4 29255-31-0 677-68-9
					Tetrachlorotetrafluoropropane (CFC-214) (CAS No 29255-31-0, Mixed		_
				CFC-215	Trichloropentafluoropropane (CFC-215)	C <sub>3</sub> F <sub>5</sub> Cl <sub>3</sub>	1599-41-3
					1,2,2-Trichloro-1,1,3,3,3-pentafluoropropane (CFC-215aa) (CAS No 1599-41-		1652-81-9
					1,2,3-Trichloro-1,1,2,3,3-pentafluoropropane (CFC-215ba) (CAS No 76-17-5) 1,1,2-Trichloro-1,2,3,3,3-pentafluoropropane (CFC-215bb) (CAS No 812-30-6) 1,1,3-Trichloro-1,2,2,3,3-pentafluoropropane (CFC-215ca) (CAS No 1652-81-		4259-43-2 76-17-5 812-30-6
				CFC-216	1,1,1-Trichloro-2,2,3,3,3-pentafluoropropane (CFC-215cb) (CAS No 4259-43- Dichlorohexafluoropropane 1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane (CFC-216ba) (CAS No 661-97-2)	C <sub>3</sub> F <sub>6</sub> Cl <sub>2</sub>	661-97-2 662-01-1
				CFC-217	1,3-Dichloro-1,1,2,2,3,3-hexafluoropropane (CFC-216ca) (CAS No 662-01-1) Chloroheptafluoropropane (CFC-217)	C <sub>3</sub> F <sub>7</sub> CI	422-86-6
					2-Chloro-1,1,1,2,3,3,3-heptafluoropropane (CFC-217ba) (CAS No 76-18-6) 1-Chloro-1,1,2,2,3,3,3-heptafluoropropane (CFC-217ca) (CAS No 422-86-6)		76-18-6
E		II		CFC-10	Carbon tetrachloride	CCI <sub>4</sub>	56-23-5
C		Ш	_	_	1,1,1-Trichloroethane (1,1,2-Trichloroethane is excepted)	C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	71-55-6
C	C I	Ш	_	Halon-1011	Bromochloromethane	CH₂BrCl	74-97-5
E		I	_	Halon-1001		011.0	
					Methyl bromide Bromomethane	CH₃Br	74-83-9
C		II	HBFC [H	lydrobromofluoro	Bromomethane carbon]	Ů	
		П	HBFC [F	lydrobromofluoro Halon-1102	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2)	CHFBr <sub>2</sub>	1868-53-7
		П	HBFC [H	Hydrobromofluoro Halon-1102 Halon-1201	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromodifluoromethane (HBFC-22 B1)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br	1868-53-7 1511-62-2
(		П	HBFC [H	Hydrobromofluoro Halon-1102 Halon-1201 Halon-1101	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromodifluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr	1868-53-7 1511-62-2 373-52-4
		П	HBFC [F	Hydrobromofluoro Halon-1102 Halon-1201	Bromomethane carbon]  Dibromofluoromethane (HBFC-21 B2)  Bromofluoromethane (HBFC-22 B1)  Bromofluoromethane (HBFC-31 B1)  Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br	1868-53-7 1511-62-2
		П	HBFC [F	hydrobromofluoro Halon-1102 Halon-1201 Halon-1101 Halon-2104	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromodifluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (CAS No 353-93-5)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub>	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5
		П	HBFC [H	Hydrobromofluoro Halon-1102 Halon-1201 Halon-1101	Bromomethane carbon]  Dibromofluoromethane (HBFC-21 B2)  Bromofiluoromethane (HBFC-22 B1)  Bromofluoromethane (HBFC-31 B1)  Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9)  Tetrabromofluoroethane (CAS No 353-93-5)  Tribromodifluoroethane (CAS No 353-97-9) 1,1,2-Tribromo-1,2-difluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr	1868-53-7 1511-62-2 373-52-4 306-80-9
		П	HBFC [H	hydrobromofluoro Halon-1102 Halon-1201 Halon-1101 Halon-2104	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromodifluoromethane (HBFC-31 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (CAS No 353-93-5) Tribromodifluoroethane (HBFC-122 B3) 1,1,2-Tribromo-1,2-difluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9) Tribromodifluoroethane (CAS No 37304-53-2) Dibromotrifluoroethane (CAS No 37304-53-2)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub>	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-97-9 677-34-9
		П	HBFC [ŀ	ydrobromofluoro Halon-1102 Halon-1201 Halon-1101 Halon-2104 Halon-2203	Bromomethane carbon]  Dibromofluoromethane (HBFC-21 B2)  Bromofluoromethane (HBFC-22 B1)  Bromofluoromethane (HBFC-31 B1)  Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9)  Tetrabromofluoroethane (CAS No 353-93-5)  Tribromodifluoroethane (HBFC-122 B3) 1,1,2-Tribromo-1,2-difluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9)  Tribromodifluoroethane (CAS No 7304-53-2)  Dibromotrifluoroethane (HBFC-123 B2) 1,2-Dibromo-1,1,2-trifluoroethane Bromotetrafluoroethane (HBFC-124B1) 2-Bromo-1,1,2-trafluoroethane (CAS No 124-72-1)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub> C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub>	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-93-9 677-34-9 7304-53-2
		п	HBFC [H	ydrobromofluoro Halon-1102 Halon-1201 Halon-1201 Halon-2104 Halon-2203	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromofluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (HBFC-122 B3) 1,1,2-Tribromo-1,2-difluoroethane (CAS No 353-93-5) Tribromodifluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9) Tribromodifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (HBFC-123 B2) 1,2-Dibromo-1,1,2-trifluoroethane Bromotetrafluoroethane (HBFC-124B1)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub> C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub>	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-97-9 677-34-9 7304-53-2 354-04-1
		п	HBFC (H	Halon-2302 Halon-2401	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromodifluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (CAS No 353-93-5) Tribromodifluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,2-difluoroethane (CAS No 677-34-9) Tribromodifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (HBFC-123 B2) 1,2-Dibromo-1,1,2-trifluoroethane Bromotetrafluoroethane (HBFC-124B1) 2-Bromo-1,1,1,2-trafluoroethane (CAS No 124-72-1) 1-Bromo-1,2,2,2-trafluoroethane (CAS No 354-07-4) Tribromofluoroethane (HBFC-131B3)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub> C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> C <sub>2</sub> HF <sub>4</sub> Br	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-97-9 677-34-9 7304-53-2 354-04-1 124-72-1 354-07-4 420-88-2
		ш	НВГС [Н	Halon-2302 Halon-2401	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromofluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (CAS No 353-93-5) Tribromofluoroethane (CAS No 353-93-5) Tribromodifluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9) Tribromodifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (HBFC-123 B2) 1,2-Dibromo-1,1,2-trifluoroethane Bromotetrafluoroethane (HBFC-124B1) 2-Bromo-1,1,1,2-trafluoroethane (CAS No 354-07-4) Tribromofluoroethane (HBFC-131B3) 1,1,2-tribromo-1-fluoroethane (CAS No 420-88-2) 1,1,2-tribromo-2-fluoroethane (CAS No 598-67-4) Dibromodifluoroethane (HBFC-132 B2) 1,2-Dibromo-1,1-difluoroethane (CAS No 75-82-1)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub> C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> C <sub>2</sub> HF <sub>4</sub> Br	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-97-9 677-34-9 7304-53-2 354-04-1 124-72-1 354-07-4 420-88-2 598-67-4 359-19-3 430-85-3
		п	НВГС [Н	Halon-2203 Halon-2401 Halon-2103 Halon-2103	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromofluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (CAS No 353-93-5) Tribromofliuoroethane (CAS No 353-93-5) Tribromofliuoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,2-difluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9) Tribromofliuoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (HBFC-123 B2) 1,2-Dibromo-1,1,2-trifluoroethane Bromotetrafluoroethane (HBFC-124B1) 2-Bromo-1,1,1,2-trafluoroethane (CAS No 124-72-1) 1-Bromo-1,1,2-trifluoroethane (CAS No 354-07-4) Tribromofluoroethane (HBFC-131B3) 1,1,2-tribromo-1-fluoroethane (CAS No 420-88-2) 1,1,2-tribromo-2-fluoroethane (CAS No 598-67-4) Dibromodifluoroethane (HBFC-132 B2) 1,2-Dibromo-1,1-difluoroethane (CAS No 75-82-1) 1,1-Dibromo-2,2-difluoroethane (CAS No 75-82-1) 1,1-Dibromo-1,2-difluoroethane (CAS No 359-19-3, 430-85-3) Bromotrifluoroethane (HBFC-133B1)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub> C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> C <sub>2</sub> HF <sub>4</sub> Br  C <sub>2</sub> HF <sub>4</sub> Br	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-97-9 677-34-9 7304-53-2 354-04-1 124-72-1 354-07-4 420-88-2 598-67-4 359-19-3
		п	НВГС [Н	Halon-2202 Halon-2202 Halon-2202	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromodifluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (HBFC-122 B3) 1,1,2-Tribromo-1,2-difluoroethane (CAS No 353-93-5) Tribromodifluoroethane (HBFC-122 B3) 1,1,2-Tribromo-1,1-difluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9) Tribromodifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (HBFC-123 B2) 1,2-Dibromo-1,1,2-trifluoroethane Bromotetrafluoroethane (HBFC-124B1) 2-Bromo-1,1,1,2-trafluoroethane (CAS No 124-72-1) 1-Bromo-1,2,2,2-trafluoroethane (CAS No 354-07-4) Tribromofluoroethane (HBFC-131B3) 1,1,2-tribromo-1-fluoroethane (CAS No 420-88-2) 1,1,2-tribromo-2-fluoroethane (CAS No 598-67-4) Dibromodifluoroethane (HBFC-132 B2) 1,2-Dibromo-1,1-difluoroethane (CAS No 75-82-1) 1,1-Dibromo-2,2-difluoroethane (CAS No 359-19-3, 430-85-3)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub> C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> C <sub>2</sub> HF <sub>4</sub> Br  C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub>	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-97-9 677-34-9 7304-53-2 354-04-1 124-72-1 354-07-4 420-88-2 598-67-4 359-19-3 430-85-3 75-82-1
		п	НВГС [Н	Halon-2301 Halon-2301 Halon-2301 Halon-2301	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromodifluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (CAS No 353-93-5) Tribromodifluoroethane (CAS No 353-93-5) Tribromodifluoroethane (HBFC-122 B3) 1,1,2-Tribromo-1,1-difluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9) Tribromodifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (HBFC-123 B2) 1,2-Dibromo-1,1,2-trifluoroethane (CAS No 124-72-1) 1-Bromo-1,1,1,2-trafluoroethane (CAS No 354-07-4) Tribromofluoroethane (HBFC-131B3) 1,1,2-tribromo-1-fluoroethane (CAS No 598-67-4) Dibromotifluoroethane (HBFC-132 B2) 1,2-Dibromo-1,1-difluoroethane (CAS No 75-82-1) 1,1,2-tribromo-2-difluoroethane (CAS No 359-19-3, 430-85-3) Bromotrifluoroethane (HBFC-13381) 1-Bromo-2,2-difluoroethane (HBFC-13381) 1-Bromo-2,2-difluoroethane (HBFC-13381) 1-Bromo-2,2-difluoroethane (HBFC-13381) 1-Bromo-1,1,1-trifluoroethane (HBFC-13381) 1-Bromo-1,1,1-trifluoroethane (HBFC-13381) 1-Bromo-1,1,1-trifluoroethane (HBFC-13381)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> C <sub>2</sub> HF <sub>4</sub> Br C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub> C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub> C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub>	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-97-9 677-34-9 7304-53-2 354-04-1 124-72-1 354-07-4 420-88-2 598-67-4 359-19-3 430-85-3 75-82-1 421-06-7
		п	НВГС [Н	Halon-2301 Halon-2102 Halon-2203 Halon-2302 Halon-2401 Halon-2203	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromofluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (CAS No 353-93-5) Tribromodifluoroethane (HBFC-122 B3) 1,1,2-Tribromo-1,2-difluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9) Tribromodifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (HBFC-123 B2) 1,2-Dibromo-1,1,2-trifluoroethane Bromotetrafluoroethane (HBFC-124B1) 2-Bromo-1,1,1,2-trafluoroethane (CAS No 124-72-1) 1-Bromo-1,2,2-trafluoroethane (CAS No 354-07-4) Tribromofluoroethane (HBFC-131B3) 1,1,2-tribromo-1-fluoroethane (CAS No 420-88-2) 1,1,2-tribromo-1-fluoroethane (CAS No 75-82-1) 1,1,2-tribromo-1,1-difluoroethane (CAS No 359-19-3, 430-85-3) Bromotrifluoroethane (HBFC-133B1) 1-Bromo-2,2-difluoroethane (CAS No 359-19-3, 430-85-3) Bromotrifluoroethane (HBFC-133B1) 1-Bromo-2,2-trifluoroethane (HBFC-133a B1)(CAS No 421-06-7) 2-Bromo-1,1,1-trifluoroethane (HBFC-133a B1)(CAS No 421-06-7) Dibromofluoroethane (HBFC-141 B2) 1,2-Dibromo-1,1-difluoroethane HBFC-141 B2) 1,2-Dibromo-1,1-difluoroethane HBFC-142 B1) 2-Bromo-1,1-difluoroethane HBFC-141 B2) 1,2-Dibromo-1,1-difluoroethane	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub> C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> C <sub>2</sub> HF <sub>4</sub> Br  C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub> C <sub>2</sub> H <sub>3</sub> FBr <sub>2</sub>	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-97-9 677-34-9 7304-53-2 354-04-1 124-72-1 354-07-4 420-88-2 598-67-4 359-19-3 430-85-3 75-82-1 421-06-7
		п	HBFC (H	Halon-2301 Halon-2102 Halon-2203 Halon-2203 Halon-2401 Halon-2202 Halon-2202 Halon-2301 Halon-2301	Bromomethane carbon] Dibromofluoromethane (HBFC-21 B2) Bromofluoromethane (HBFC-22 B1) Bromofluoromethane (HBFC-31 B1) Tetrabromofluoroethane (HBFC-121 B4) 1,1,2,2-Tetrabromo-1-fluoroethane (CAS No 306-80-9) Tetrabromofluoroethane (CAS No 353-93-5) Tribromodifluoroethane (CAS No 353-93-5) Tribromodifluoroethane (HBFC-122 B3) 1,1,2-Tribromo-1,2-difluoroethane (CAS No 353-97-9) 1,2,2-Tribromo-1,1-difluoroethane (CAS No 677-34-9) Tribromodifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (CAS No 7304-53-2) Dibromotrifluoroethane (HBFC-123 B2) 1,2-Dibromo-1,1,2-trifluoroethane Bromotetrafluoroethane (HBFC-124B1) 2-Bromo-1,1,2,2-trafluoroethane (CAS No 124-72-1) 1-Bromo-1,2,2,2-trafluoroethane (CAS No 354-07-4) Tribromofluoroethane (HBFC-131B3) 1,1,2-tribromo-1-fluoroethane (CAS No 598-67-4) Dibromodifluoroethane (HBFC-132 B2) 1,2-Dibromo-1,1-difluoroethane (CAS No 75-82-1) 1,1-Dibromo-2,2-difluoroethane (CAS No 359-19-3, 430-85-3) Bromotrifluoroethane (HBFC-133B B1) 1-Bromo-2,2-2-trifluoroethane (HBFC-133a B1)(CAS No 421-06-7) 2-Bromo-1,1,1-trifluoroethane (HBFC-133a B1)(CAS No 421-06-7) Dibromofluoroethane (HBFC-141 B2) 1,2-Dibromo-1-fluoroethane Bromodifluoroethane (HBFC-142 B1) 2-Bromo-1,1-difluoroethane Bromodifluoroethane (HBFC-142 B1)	CHFBr <sub>2</sub> CHF <sub>2</sub> Br CH <sub>2</sub> FBr C <sub>2</sub> HFBr <sub>4</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> C <sub>2</sub> HF <sub>4</sub> Br C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub> C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub> C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Br C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Br C <sub>2</sub> H <sub>3</sub> F <sub>3</sub> Br C <sub>2</sub> H <sub>3</sub> FBr <sub>2</sub> C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Br	1868-53-7 1511-62-2 373-52-4 306-80-9 353-93-5 353-97-9 677-34-9 7304-53-2 354-04-1 124-72-1 354-07-4 420-88-2 598-67-4 359-19-3 430-85-3 75-82-1 421-06-7

ass A		rotocol Group	-		Sample substances	Chemical formula	Sample CAS
				Halon-3304	Tetrabromotrifluoropropane (HBFC-223 B4)	C <sub>3</sub> HF <sub>3</sub> Br <sub>4</sub>	
				Halon-3403	Tribromotetrafluoropropane (HBFC-224 B3)	C <sub>3</sub> HF <sub>4</sub> Br <sub>3</sub>	666-48-8
				Halon-3502	Dibromopentafluoropropane (HBFC-225 B2)	C <sub>3</sub> HF <sub>5</sub> Br <sub>2</sub>	431-78-7
				Halon-3601	1,2-Dibromo-1,1,3,3,3-pentafluoropropane  Bromohexafluoropropane (HBFC-226 B1)	C <sub>3</sub> HF <sub>6</sub> Br	2252-78-0
				1181011-3001	1-Bromo-1,1,2,3,3,3-hexafluoropropane (CAS No 2252-78-0)	0 0	2252-70-0
					2-Bromo-1,1,1,3,3,3-hexafluoropropane (CAS No2252-79-1)		
				Halon-3105	Pentabromofluoropropane (HBFC-231 B5)	C <sub>3</sub> H <sub>2</sub> FBr <sub>5</sub>	
				Halon-3204	Tetrabromodifluoropropane (HBFC-232 B4)	C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Br <sub>4</sub>	148875-98-3
				11.1. 2222	1,1,1,3-Tetrabromo-3,3-difluoropropane	0.11.5.0	
				Halon-3303	Tribromotrifluoropropane (HBFC-233 B3)	C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Br <sub>3</sub>	421-90-9
				Halon-3402	2,2,3-Tribromo-1,1,1-trifluoropropane (CAS No 421-90-9)  Dibromotetrafluoropropane (HBFC-234 B2)	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Br <sub>2</sub>	460-86-6
				1181011-3402	1,3-Dibromo-1,1,3,3-tetrafluoropropane	031121 4012	400-00-0
				Halon-3501	Bromopentafluoropropane (HBFC-235 B1)	C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Br	22692-16-6
					3-bromo-1,1,1,2,2-pentafluoropropane (CAS No 422-01-5) 1-bromo-1,1,3,3,3-pentafluoropropane (CAS No 460-88-8) 1-bromo-1,1,2,2,3-pentafluoropropane (CAS No 677-53-2) 1-bromo-1,2,2,3,3-pentafluoropropane (CAS No 679-94-7)		26391-11-7 422-01-5 460-88-8 53692-43-6
				Halon-3104	Tatashan mafili araa saasaa (UDEC 044 DA)		53692-44-7 677-52-1 677-53-2 679-94-7 148875-95-0
				паюн-эти4	Tetrabromofluoropropane (HBFC-241 B4) 1,1,1,3-tetrabromo-3-fluoropropane	С <sub>3</sub> П <sub>3</sub> ГЫ <sub>4</sub>	140075-95-0
				Halon-3203	Tribromodifluoropropane (HBFC-242 B3)	C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Br <sub>3</sub>	666-25-1
					1,1,1-Tribromo-2,2-difluoropropane (CAS No 70192-80-2)	0.11.5	70192-80-2
				Halon-3302	Dibromotrifluoropropane (HBFC-243 B2) 2,3-Dibromo-1,1,1-trifluoropropane (CAS No 431-21-0) 1,2-Dibromo-3,3,3-trifluoropropane (CAS No 431-21-0)	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Br <sub>2</sub>	431-21-0
				Halon-3401	Bromotetrafluoropropane (HBFC-244 B1)	C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Br	19041-01-1
					2-Bromo-1,1,1,3-tetrafluoropropane (CAS No 29151-25-5)		29151-25-5
					3-Bromo-1,1,1,3-tetrafluoropropane (CAS No 460-67-3)		460-67-3
					3-Bromo-1,1,2,2-tetrafluoropropane (CAS No 679-84-5) 1-Bromo-1,1,2,2-tetrafluoropropane (CAS No 70192-84-6)		679-84-5 70192-71-1 70192-84-6
				Halon-3103	Tribromofluoropropane (HBFC-251 B1) 1,2,3-Tribromo-1-fluoropropane	C <sub>3</sub> H <sub>4</sub> FBr <sub>3</sub>	75372-14-4
				Halon-3202	Dibromodifluoropropane (HBFC-252 B2) 1,3-Dibromo-1,1-difluoropropane (CAS No 460-25-3)	C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Br <sub>2</sub>	460-25-3
				Halon-3301	Bromotrifluoropropane (HBFC-253 B1)	C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Br	421-46-5
					3-Bromo-1,1,1-trifluoropropane (CAS No 460-32-2)		460-32-2
				Halon-3102	2-Bromo-1,1,1-trifluoropropane (CAS No 421-46-5)  Dibromofluoropropane (HBFC-261 B2)	C <sub>3</sub> H <sub>5</sub> FBr <sub>2</sub>	1786-38-5
					1,3-Dibromo-2-fluoropropane (CAS No 1786-38-5)		453-00-9
					1,2-Dibromo-3-fluoropropane (CAS No 453-00-9) 1,3-Dibromo-1-fluoropropane (CAS No 51584-26-0) 1,2-Dibromo-1-fluoro-(R*,R*)-propane (CAS No 62135-11-9)		51584-26-0 62135-10-8 62135-11-9
				Halon-3201	1,2-Dibromo-1-fluoro-(R*,S*)-propane (CAS No 62135-10-8)  Bromodifluoropropane (HBFC-262 B1)  1-Bromo-2,3-difluoropropane (CAS No 111483-20-6)	C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Br	111483-20-6 2195-05-3
					2-Bromo-1,3-difluoropropane (CAS No 2195-05-3) 1-Bromo-2,2-difluoropropane (CAS No 420-98-4) 3-Bromo-1,1-difluoropropane (CAS No 461-49-4)		420-89-3 420-98-4 430-87-5 461-49-4
	С	I	HOEO IL	Halon-3101	Bromofluoropropane (HBFC-271 B1) 1-Bromo-2-fluoropropane (CAS No 1871-72-3) 1-Bromo-3-fluoropropane (CAS No 352-91-0)	C₃H <sub>6</sub> FBr	1871-72-3 352-91-0
	C	1	пого јг	HCFC-21	Dichlorofluoromethane	CHFCl <sub>2</sub>	75-43-4
				HCFC-22	Chlorodifluoromethane	CHF <sub>2</sub> CI	75-45-6
				HCFC-31	Chlorofluoromethane	CH <sub>2</sub> FCI	593-70-4
				HCFC-121	Tetrachlorofluoroethan (HCFC-121)	C <sub>2</sub> HFCl <sub>4</sub>	134237-32-4
					1,1,2,2-Tetrachloro-1-fluoroethan (HCFC-121) (CAS No 354-14-3, 134237-32-		354-11-0
					1,1,1,2-Tetrachloro-2-fluoroethan (HCFC 121a) (CAS No 354-11-0)	0.115.51	354-14-3
				HCFC-122	Trichlorodifluoroethane (HCFC-122) 1,2,2-Trichloro-1,1-difluoroethane (HCFC-122) (CAS No 354-21-2, 134237-33-1,1,2-Trichloro-1,2-difluoroethane (HCFC-122a) (CAS No 354-15-4) 1,1,1-Trichloro-2,2-difluoroethane (HCFC-122b) (CAS No 354-12-1)	C <sub>2</sub> HF <sub>2</sub> Cl <sub>3</sub>	354-12-1 354-15-4 354-21-2
				HCFC-123	Trichlorodifluoroethane (HCFC-122) (CAS No 354-15-4, 354-21-2, 134237-33- Dichlorotrifluoroethane (HCFC-123)	C <sub>2</sub> HF <sub>3</sub> Cl <sub>2</sub> CHCl <sub>2</sub> CF <sub>3</sub> (*)	306-83-2
					2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123) (CAS No 306-83-2) 1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a) (CAS No 354-23-4) 1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b) (CAS No 812-04-4)		34077-87-7 354-23-4 812-04-4
				HCFC-124	Dichlorotrifluoroethane (HCFC-123) (CAS No 34077-87-7) Chlorotetrafluoroethane (HCFC-124)	C <sub>2</sub> HF <sub>4</sub> CI CHFCICF <sub>3</sub> (*)	2837-89-0
					2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) (CAS No 2837-89-0) 1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) (CAS No 354-25-6) Chlorotetrafluoroethane (HCFC-124) (CAS No 63938-10-3)	3()	354-25-6 63938-10-3
				HCFC-131	Trichlorofluoroethane (HCFC-131) 1,1,2-Trichloro-2-fluoroethane (HCFC-131) (CAS No 359-28-4, 134237-34-6)	C <sub>2</sub> H <sub>2</sub> FCl <sub>3</sub>	134237-34-6 2366-36-1 27154-33-2
					1,1,2-Trichloro-1-fluoroethane (HCFC-131a) (CAS No 811-95-0) 1,1,1-Trichloro-2-fluoroethane (HCFC-131b) (CAS No 2366-36-1) Trichlorefluoroethane (HCFC 131) (CAS No 2315-32 2)		359-28-4
				HCFC-132		C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub>	359-28-4 811-95-0 1649-08-7 1842-05-3 25915-78-0 431-06-1 471-43-2

s A	Annex	rotocol Group		Sample substances	Chemical formula	Sample CAS
			HCFC-141	Dichlorofluoroethane (HCFC-141)	C <sub>2</sub> H <sub>3</sub> FCl <sub>2</sub> CH <sub>3</sub> CFCl <sub>2</sub> (*)	1717-00-6
				1,2-Dichloro-1-fluoroethane (HCFC-141) (CAS No 430-57-9) 1,1-Dichloro-2-fluoroethane (HCFC-141a) (CAS No 430-53-5) 1,1-Dichloro-1-fluoroethane (HCFC-141b) (CAS No 1717-00-6)	CH <sub>3</sub> CFCl <sub>2</sub> (*)	25167-88-8 430-53-5 430-57-9
			HCFC-142	Dichlorofluoroethane (HCFC-141) (CAS No 25167-88-8)  Chlorodifluoroethane (HCFC-142)	C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> CI	25497-29-4
				2-Chloro-1,1-difluoroethane (HCFC-142) (CAS No 338-65-8) 1-Chloro-1,2-difluoroethane (HCFC-142a) (CAS No 338-64-7) 1-Chloro-1,1-difluoroethane (HCFC-142b) (CAS No 75-68-3)	CH <sub>3</sub> CF <sub>2</sub> CI (*)	338-64-7 338-65-8 75-68-3
			HCFC-151	Chlorodifluoroethane (HCFC-142) (CAS No 25497-29-4) Chlorofluoroethane (HCFC-151) 1-Chloro-2-fluoroethane (HCFC-151) (CAS No 762-50-5) 1-Chloro-1-fluoroethane (HCFC-151a) (CAS No 1615-75-4)	C <sub>2</sub> H <sub>4</sub> FCI	762-50-5 1615-75-4 110587-14-9
			HCFC-221	Chlorofluoroethane (HCFC-151) (CAS No 110587-14-9) Hexachlorofluoropropane (HCFC-221) 1,1,1,2,2,3-Hexachloro-3-fluoropropane (HCFC-221ab) (CAS No 422-26-4) Hexachlorofluoropropane (HCFC-221) (CAS No 134237-35-7)	C <sub>3</sub> HFCl <sub>6</sub>	134237-35-7 422-26-4
			HCFC-222	Pentachioroidifluoropropane (HCFC-222) (LAS No 134237-35-7)  Pentachloroidifluoropropane (HCFC-222) 1,2,2,3,3-Pentachloro-1,1-difluoropropane (HCFC-222aa) (CAS No 422-30-0) 1,1,1,3,3-Pentachloro-2,2-difluoropropane (HCFC-222ca) (CAS No 422-49-1) Pentachlorodifluoropropane (HCFC-222) (CAS No 134237-36-8)	C <sub>3</sub> HF <sub>2</sub> Cl <sub>5</sub>	134237-36-8 422-30-0 422-49-1
			HCFC-223	Tetrachlorotrifluropropane (HCFC-223)	C <sub>3</sub> HF <sub>3</sub> Cl <sub>4</sub>	134237-37-9
			HCFC-224	1,1,3,3-Tetrachloro-1,2,2-trifluropropane (HCFC-223ca) (CAS No 134237-37-9, 422-52-6)  Trichlorotetrafluoropropane (HCFC-224)	C₃HF₄Cl₃	422-52-6
			HCFC-224	1.3,3-Trichloro-1,1,2,2-tetrafluoropropane (HCFC-224ca) (CAS No 134237-38-0, 422-54-8) 1,1,1-Trichloro-2,2,3,3-tetrafluoropropane (HCFC-224cc) (CAS No 422-51-5)	U <sub>3</sub> пг <sub>4</sub> U <sub>3</sub>   U <sub>3</sub> пг <sub>5</sub> U <sub>12</sub>	134237-38-0 422-51-5 422-54-8
			HCFC-225	Dichloropentafluoropropane (HCFC-225)	CF <sub>3</sub> CF <sub>2</sub> CHCl <sub>2</sub> (*) CF <sub>2</sub> CICF <sub>2</sub> CHCIF(*	111512-56-2
				2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa) (CAS No 128903-2,3-Dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba) (CAS No 422-48-0) 1,2-Dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225cb) (CAS No 422-44-6) 3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225cb) (+) (CAS No 422-56-1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb) (+) (CAS No 507-55-1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc) (CAS No 13474-88-1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ca) (CAS No 136013-1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225ca) (CAS No 136013-1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225ca) (CAS No 111512-	`	127564-92-5 128903-21-9 13474-88-9 136013-79-1 422-44-6 422-48-0 422-56-0 431-86-7 507-55-1
			HCFC-226	Dichloropentafluoropropane (HCFC-225) (CAS No 127564-92-5) Chlorohexafluoropropane (HCFC-226) 3-Chloro-1,1,1,2,2,3-hexafluoropropane (HCFC-226ca) (CAS No 422-57-1) 1-Chloro-1,1,2,2,3,3-hexafluoropropane (HCFC-226cb) (CAS No 359-58-0, 2-Chloro-1,1,1,3,3,3-hexafluoropropane (HCFC-226da) (CAS No 134308-72-8, 431-87-8)	C <sub>3</sub> HF <sub>6</sub> CI	134308-72-8 359-58-0 422-55-9 422-57-1 431-87-8
			HCFC-231	Pentachlorofluoropropane (HCFC-231) Pentachlorofluoropropane (HCFC-231) (CAS No 134190-48-0, 421-94-3)	C <sub>3</sub> H <sub>2</sub> FCl <sub>5</sub>	134190-48-0 421-94-3
			HCFC-232	Tetrachlorodifluoropropane (HCFC-232) Tetrachlorodifluoropropane (HCFC-232) (CAS No 134237-39-1, 460-89-9)	C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> CI <sub>4</sub>	134237-39-1 460-89-9
			HCFC-233	Trichlorotrifluoropropane (HCFC-233) (CAS No 134237-39-1, 400-39-9) Trichlorotrifluoropropane (HCFC-233) (CAS No 134237-40-4)	C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	134237-40-4 7125-83-9
			HCFC-234	Dichlorotetrafluoropropane (HCFC-234) 2,2-Dichloro-1,1,3,3-tetrafluoropropane (HCFC-234aa) (CAS No 17705-30-5) 1,1-Dichloro-2,2,3,3-tetrafluoropropane (HCFC-234cb) (CAS No 4071-01-6) 2,3-Dichloro-1,1,1,3-tetrafluoropropane (HCFC-234da) (CAS No 146916-90-7) 1,1-ジクロー1,3,3-tetrafluoropropane (HCFC-234b) (CAS No 64712-27-2) Dichlorotetrafluoropropane (HCFC-234) (CAS No 127564-83-4, 425-94-5)	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>	127564-83-4 146916-90-7 17705-30-5 4071-01-6 425-94-5 64712-27-2
			HCFC-235	Chloropentafluoropropane (HCFC-235)  1-Chloro-1,2,2,3,3-pentafluoropropane (HCFC-235ca) (CAS No 679-99-2)  3-Chloro-1,1,1,2,3-pentafluoropropane (HCFC-235cb) (CAS No 422-02-6)  1-Chloro-1,1,2,2,3-pentafluoropropane (HCFC-235cc) (CAS No 677-55-4)  1-Chloro-1,1,3,3,3-pentafluoropropane (HCFC-235fa) (CAS No 460-92-4)  Chloropentafluoropropane (HCFC-235) (CAS No 134237-41-5)	C₃H₂F₅CI	134237-41-5 422-02-6 460-92-4 677-55-4 679-99-2
			HCFC-241	Tetrachlorofluoropropane (HCFC-241) Tetrachlorofluoropropane (HCFC-241) (CAS No 134190-49-1, 666-27-3)	C <sub>3</sub> H <sub>3</sub> FCl <sub>4</sub>	134190-49-1 666-27-3
			HCFC-242	Trichlorodifluoropropane (HCFC-242) Trichlorodifluoropropane (HCFC-242) (CAS No 127564-90-3, 134237-42-6, 460-63-9)	C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Cl <sub>3</sub>	127564-90-3 134237-42-6 460-63-9
			HCFC-243	Dichlorotrifluoropropane (HCFC-243) 2.3-Dichloro-1,1,1-trifluoropropane (HCF-243db) (CAS No 338-75-0) 3.3-Dichloro-1,1,1-trifluoropropane (HCF-243fa) (CAS No 460-69-5) Dichlorotrifluoropropane (HCFC-243) (CAS No 134237-43-7)	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Cl <sub>2</sub>	134237-43-7 338-75-0 460-69-5
			HCFC-244	Chlorotetrafluoropropane (HCFC-244) 2-Chloro-1,1,3,3-tetrafluoropropane (HCFC-244da) (CAS No 19041-02-2) 1-Chloro-1,1,3,3-tetrafluoropropane (HCFC-244fb) (CAS No 2730-64-5) Chlorotetrafluoropropane (HCFC-244) (CAS No 134190-50-4)	C₃H₃F₄CI	134190-50-4 19041-02-2
			HCFC-251	Trichlorolucropropane (HCFC-251) 1,1,2-Trichloro-1-fluoropropane (HCFC-251dc) (CAS No 421-41-0) 1,1,3-Trichloro-1-fluoropropane (HCFC-251fb) (CAS No 818-99-5) Trichlorofluoropropane (HCFC-251) (CAS No 134190-51-5)	C <sub>3</sub> H <sub>4</sub> FCl <sub>3</sub>	134190-51-5 421-41-0 818-99-5
			HCFC-252	Dichlorodifluoropropane (HCFC-252) (CAS No 134190-51-5)  Dichlorodifluoropropane (HCFC-252)  1,2-Dichloro-1,1-difluoropropane (HCFC-252fb) (CAS No 7126-15-0)  1,3-Dichloro-1,1-difluoropropane (HCFC-252fb) (CAS No 819-00-1)  Dichlorodifluoropropane (HCFC-252) (CAS No 134190-52-6)	C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Cl <sub>2</sub>	134190-52-6 819-00-1 7126-15-0
			HCFC-253	Chlorotrifluropropane (HCFC-253) 3-Chloro-1,1,1-trifluropropane (HCFC-253)b) (CAS No 460-35-5) Chlorotrifluropropane (HCFC-253) (CAS No 134237-44-8)	C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> CI	134237-44-8 460-35-5
			HCFC-261	Dichlorofluropropane (HCFC-263) (CAS No 134237-44-8)  Dichlorofluropropane (HCFC-261ba) (CAS No 420-97-3) 1,2-Dichloro-1-fluropropane (HCFC-261fc) (CAS No 7799-56-6)  Dichlorofluropropane (HCFC-261) (CAS No 7799-56-6)	C <sub>3</sub> H <sub>5</sub> FCl <sub>2</sub>	134237-45-9 420-97-3 7799-56-6
			HCFC-262	Chlorodifluropropane (HCFC-262) 2-Chloro-1,3-difluropropane (HCFC-262da) (CAS No 102738-79-4) 1-Chloro-1,1-difluropropane (HCFC-262fc) (CAS No 421-02-3)	C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> CI	102738-79-4 134190-53-7 421-02-3

4\_Ozon 21/42

Moi	ntreal P	rotocol	]				
Class	Annex	Group			Sample substances	Chemical formula	Sample CAS No
					Chlorodifluropropane (HCFC-262) (CAS No 134190-53-7)		
				HCFC-271	Chlorofluoropropane (HCFC-271)	C <sub>3</sub> H <sub>6</sub> FCI	134190-54-8
					2-Chloro-2-fluoropropane (HCFC-271ba) (CAS No 420-44-0)		420-44-0
					1-Chloro-1-fluoropropane (HCFC-271fb) (CAS No 430-55-7)		430-55-7
					Chlorofluoropropane (HCFC-271) (CAS No 134190-54-8)		

<sup>(\*)</sup>The substance name and the other information like CAS No etc. listed in this table are examples from the contents which our company has investigated. These do not always cover all information. Some of the substances may be customarily called by a name of the article on behalf. For details, we hope that your company will confirm it by the information obtained from the upper stream of the supply chain.

# 

2. Propencic acid. 2-methyl-, polymers with Bu methacrylate, lauryl methacrylate and 2- [methyl(perfuror-C4-8-akins)-sulphonal/minolethyl methacrylate (PFOS) 8  2. Sulphonamides, C4-8-akiane, perfuoro, N-methyl-N-(oxiranylmethyl(PFOS) 198813-71. 3  3. 1-Octanesulphonamide, N-13-dimethylaminolptropyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 19813-71. 3  4. 2-Propencic acid, 2-methyl-, 2- [[(heptadecafluoroocty)]-sulphonyl]methylaminolethyl 1982-97-8 19814-1981. 3  5. Eatly acids, C18-unsatt, rimers, 2-[[heptadecafluoroocty]-sulphonyl]methylaminolethyl 1982-97-8 19814-1981. 3  5. Sulphonamides, C4-8-akikane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1,6-diisocyanatohexane homopolymer and ethylene glycytellyl, reaction products with 1,6-diisocyanatohexane homopolymer and ethylene glycytellyl-(PFOS) 1992-1992-1993-1994. 3  5. 1-Poctanesulphonamide, N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl-)-(PFOS) 1992-1994. 3  6. 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-(PFOS) 1994-1994. 3  7. 2-methylenebis(4-isocyanatobenzene) and polymethylenepolyphenylene isocyanate, 2-ethyl-heptoly etars. Me Et ketone oxime-blocked(PFOS) 1994-1995. 3  7. 2-methylenebis(4-isocyanatobenzene) and polymethylenepolyphenylene isocyanate, 2-ethyl-heptoly-etars, Me Et ketone oxime-blocked(PFOS) 1994-1995. 3  7. 2-methylenebis(4-isocyanatobenzene) and polymethylenepolyphenylene isocyanate, 2-ethyl-heptoly-etars, Me Et ketone oxime-blocked(PFOS) 1994-1994-1994. 3  7. 2-methylenebis(4-isocyanatobenzene) and polymethylenepolyphenylene isocyanate, 2-ethyl-heptoly-etars, 1994-1994-1994-1994-1994-1994-1994-1994		(Perfluorooctane sulfonates) rev0	2021.11.01
methyl(perfluoro-C4-8-alkyl)sulphonyl]aminolethyl methacrylate(PFOS)   129813-71   12981	No	Substance name	例示 CAS No
methyl(perfluoro-C4-8-alkyl)sulphonyl]aminolethyl methacrylate(PFOS)   129813-71   12981		2-Propenoic acid, 2-methyl-, polymers with Bu methacrylate, lauryl methacrylate and 2-	
2 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-(oxiranyImethyl)(PFOS) 3 h-Ostanesulphonamide, N-13-dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-b 13417-011-011-011-011-011-011-011-011-011-0	1		
3 - Octanesulphonamide, N-13-dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 heptadecafluoro-(PFOS) 4 2-Propencia acid, 2-methyl-, 2- [[heptadecafluorococyl)sulphonyl]methylamino]ethyl esters(PFOS) 5 Fatty acids, C18-unsatd., trimers, 2-[[heptadecafluorococyl)sulphonyl]methylamino]ethyl esters(PFOS) 6 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1,6-diisocyanatobexane homopolymer and ethylene glycol(PFOS) 7 Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,6-diisocyanatobexane homopolymer and ethylene glycol(PFOS) 1-Propanaminium, 3-[[[heptadecafluorocyty]sulphonyl]amino]-N,N,N-trimethyl-, iodide(PFOS) 7 1-Propanaminium, 3-[[[heptadecafluorocyty]sulphonyl]amino]-N,N,N-trimethyl-, iodide(PFOS) 8 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,4,4,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS) 1 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-(PFOS); Poffluoroctane sulfonate acid 1 1-Octanesulphonamide, N-ethyl-N-(hydroxyethyl)-polymers with 1,1-2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-ethyl-hydroxyethyl-perfluoroctane sulfonate acid 1 1-Octanesulphonamide, N-ethyl-N-(hydroxyethyl-polymers with 1,1-2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (S2CI2) reaction(PFOS) 1 1-Octanesulphonamide, N-ethyl-N-(hydroxyethyl-prosy), reaction products with benzene-chlorine-sulphur chloride (S2CI2) reaction(PFOS) 1 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl-PFOS) 1 1-Octanesulphon	_		
A Perponencia acid. Z-methyl-, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl   2-Propencia acid. Z-methyl-, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl   2-Propencia acid. Z-methyl-, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl   2-Propencia acid. Z-methyl-, 2-Propencia aci	2		
heptadecafluoro-(PFOS)   14650-24-9   2-Propencio acid. 2-methyl. 2- [[(heptadecafluoroccty))sulphonyl]methylamino]ethyl   14650-24-9   5 Fatty acids, C18-unsatd., trimers, 2-[[heptadecafluoroccty])sulphonyl[methylamino]ethyl   14650-24-9   5 Fatty acids, C18-unsatd., trimers, 2-[[heptadecafluoroccty]]sulphonyl[methylamino]ethyl   14650-24-9   2	3	1-Octanesulphonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-	13417-01-1
5 Fatty acids, C18-unsatd, trimers, 2-{[heptadecafluoroccty]sulphony ]methylamino]ethyl satter(PFOS)         424240-78-8           6 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1.6-diisocyanatohexane homopolymer and ethylene glycof(PFOS)         148684-79-4           7 Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate(PFOS)         160901-25-25-25-25-25-25-25-25-25-25-25-25-25-	U	heptadecafluoro-(PFOS)	
5 Fatty acids, C18-unsatd, trimers, 2-{[heptadecafluoroccty]sulphony ]methylamino]ethyl satter(PFOS)         424240-78-8           6 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1.6-diisocyanatohexane homopolymer and ethylene glycof(PFOS)         148684-79-4           7 Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate(PFOS)         160901-25-25-25-25-25-25-25-25-25-25-25-25-25-	4	2-Propenoic acid. 2-methyl-, 2- [[(heptadecafluorooctyl)sulphonyl]methylaminolethyl	14650-24-9
sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1.6-discocyanatohexane homopolymer and ethylene glycol(PFCS)  7 Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1.6-discocyanatohexane homopolymethylene polyphenylene isocyanate(PFCS)  1-Propanaminium, 3-I((heptadecafluorooctyl)sulphonyljaminoj-N,N,N-trimethyl-, iodide(PFCS)  1-Propanaminium, 3-I((heptadecafluorooctyl)sulphonyljaminoj-N,N,N-trimethyl-, iodide(PFCS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFCS)  1-Octanesulphonamide, N-I-2-(dimethyloxidoamino)propyl)- 1,1,2,2,33,4,4,5,5,6,7,8,8,8-heptadecafluoro-potassium salt(PFCS)  1-Octanesulphonamide, N-I-2-(dimethyloxidoamino)propyl)- 1,1,2,2,33,4,4,5,5,6,7,8,8,8-heptadecafluoro-potassium salt(PFCS)  1-Octanesulphonamide, N-I-2-(dimethyloxidoamino)propyl)- 1,1,2,2,33,4,4,5,5,6,7,8,8,8-heptadecafluoro-potassium salt(PFCS)  1-Octanesulphonamide, 1,1,2,2,3,4,4,5,5,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (S2CI2) reaction(PFCS)  1-Octanesulphonamide, 1,1,2,2,3,4,4,5,5,6,6,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(heptadecafluoro-cyl)sulphonyl]- ethyl ester(PFCS)  1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFCS)  1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFCS)  1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFCS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFCS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFCS)  1-Octanesulphonamide, N-ethyl-N-(hydroxyethyl)-phonyl-pho			
6 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1.6-discocyanatohexane homopolymer and ethylene glycot(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate(PFOS)  1-Propanaminium, 3-I((heptadecaffuorooctyl)sulphonyl]amino]-N,N,N-trimethyl-, iodide(PFOS)  9 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecaffuoro-N-(2-hydroxyethyl)-(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecaffuoro-PFOS):  11 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl-1,1,2,2,3,3,4,5,5,6,6,7,8,8,8-heptadecaffuoro-PFOS):  12 methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked(PFOS)  13 1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,7,7,8,8,8-heptadecaffuoro-N-methyl-, reaction products with benzene-chlorine-sulphur chloride (S2CI2) reaction(PFOS)  14 Glycine, N-ethyl-N-((perdadecaffuoro-Nyl-j-thyl ester(PFOS)  15 Sulphonamides, C4-8-alkane, perfluoro, N-l3-(dimethylamino)propyl], reaction products with benzene-chlorine-sulphur chloride (S2CI2) reaction(PFOS)  16 1-Octanesulphonamide, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecaffuoro-N-(2-hydroxyethyl)-PFOS)  17 1-Octanesulphonamide, N-N-N'' [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-(PFOS)	5		
0 with 1.6-dilsocyanatohexane homopolymer and ethylene glycol(PFCS)         1           7 Sulphonamides, C4-8-alkare, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 160901-25-7.         1-Propanaminium, 3-I((heptadecaffuorooctyl)sulphonyljaminoj-N,N,N-trimethyl-, iodide(PFOS)         160901-25-7.           8         1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecaffuoro-N-(2-hydroxyethyl)-(PFOS)         1763-23-1           9         1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecaffuoro-(PFOS): Perfluoroctane sulfonate acid         1763-23-1           11         1-Octanesulphonamide, N-Eyl-dilmethyloxidoamino)propyl-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecaffuoro-(PFOS): Perfluoro. N-ethyl-N-(hydroxyethyl)-, polymers with 1,1'-2 methylenebis(4-isocyanatobenzene) and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-sulphor choide (S2Cl2) reaction(PFOS)         182700-90-ethyl-N-(hydroxyethyl)-, polymers with 1,1'-2 catanesulphonamides, C4-8-alkane, perfluoro. N-(3-(dimethylamino)propyl], reaction products with benzene-chlorino-sulphor choide (S2Cl2) reaction(PFOS)         1829-00-90-ethyl-N-(PFOS)         1869-77-8           16         17-Octanesulphonamides, N-N, N'- [phosphinylldynetris(oxy-2,1-ethanedlyl)]tris(N-ethyl-N-methyl			
Sulphonamides, C4-9-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 160901-25- 25-63-7	6		148684-79-
2 ethyl-1-hexanol and polymethylenepolyphenylene isocyanate(PFOS)  1 -Propanaminium, 3-[(iheptadecafluorooctyl)sulphonyl]amino]-N,N-trimethyl-, iodide(PFOS)  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-)-(PFOS)  1 -Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS): Perfluoroctane sulfonate acid  11 -Octanesulphonamide, N-[2-(ilimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,7,8,8,8-heptadecafluoro-(PFOS): Products with benzene-choloxed(PFOS)  3 -Octanesulphonamide, N-[3-(ilimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (SzCl2) reaction(PFOS)  13 -Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (SzCl2) reaction(PFOS)  14 Glycine, N-ethyl-N-(heptadecafluorocyty)sulphonyl]-, ethyl ester(PFOS)  15 Sulphonamides, C-4-Balkane, perfluoro, N-[3-(ilimethylamino)propyl], reaction products with benzene-chlorine-sulphur chloride (SzCl2) reaction(PFOS)  16 -Octanesulphonamide, N-N-N'- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl-)-PFOS)  17 -Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl-)-N-methyl-(PFOS)  18 -Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl-)-N-methyl-(PFOS)  1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro-, potassium salt (PFOS): Perfluorooctane sulfonate ammonium salt (PFOS): Perfluoroctane sulfonate ammonium salt (PFOS): Perfluoroctane sulfonate ammonium salt (PFOS): Perfluoroctane sulfonate inthium salt (PFOS): Perfluoroctane sulfonate inthium salt (PFOS): Perfluoroctane sulfonate inthium salt (PFOS): Perfluoroctane	٥	with 1,6-diisocyanatohexane homopolymer and ethylene glycol(PFOS)	1
2 ethyl-1-hexanol and polymethylenepolyphenylene isocyanate(PFOS)  1 -Propanaminium, 3-[(iheptadecafluorooctyl)sulphonyl]amino]-N,N-trimethyl-, iodide(PFOS)  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-)-(PFOS)  1 -Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS): Perfluoroctane sulfonate acid  11 -Octanesulphonamide, N-[2-(ilimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,7,8,8,8-heptadecafluoro-(PFOS): Products with benzene-choloxed(PFOS)  3 -Octanesulphonamide, N-[3-(ilimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (SzCl2) reaction(PFOS)  13 -Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (SzCl2) reaction(PFOS)  14 Glycine, N-ethyl-N-(heptadecafluorocyty)sulphonyl]-, ethyl ester(PFOS)  15 Sulphonamides, C-4-Balkane, perfluoro, N-[3-(ilimethylamino)propyl], reaction products with benzene-chlorine-sulphur chloride (SzCl2) reaction(PFOS)  16 -Octanesulphonamide, N-N-N'- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl-)-PFOS)  17 -Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl-)-N-methyl-(PFOS)  18 -Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl-)-N-methyl-(PFOS)  1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro-, potassium salt (PFOS): Perfluorooctane sulfonate ammonium salt (PFOS): Perfluoroctane sulfonate ammonium salt (PFOS): Perfluoroctane sulfonate ammonium salt (PFOS): Perfluoroctane sulfonate inthium salt (PFOS): Perfluoroctane sulfonate inthium salt (PFOS): Perfluoroctane sulfonate inthium salt (PFOS): Perfluoroctane		Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with	160901-25-
1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N,N-trimethyl-, iodide(PFOS)  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)-(PFOS)  1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Pfolluoroctane sulfonate acid 1-Octanesulphonamide, N-l3-(dimethyloxidoamino)propyl]- 178094-69-11,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-potassium salt(PFOS) 11,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-potassium salt(PFOS) 13-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS) 13-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS) 18-Octanesulphonamide, N,N,N'* [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-PFOS) 19-Octanesulphonamide, N,N,N'* [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-PFOS) 19-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS) 19-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-2-propenyl-(PFOS) 19-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-propenyl-(PFOS) 19-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-propenyl-(PFOS) 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-propenyl-(PFOS) 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-propenyl-(PFOS) 2-Propenoic acid, 2-[[(heptadecafluoroctyl)sulphonyl)methylaminolethyl ester(PFOS) 2-Propenoic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-propenyl-pro	/		
odide(PFOS)   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)-(PFOS)   1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Pfulloroctane sulfonate acid   1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Pfulloroctane sulfonate acid   1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-   178094-69-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-potassium salt(PFOS)   178535-22-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS)   182700-90-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS)   1869-77-8   1940-1,1,1,2,2,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS)   1869-77-8   1940-1,1,1,2,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1			
9 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)-(PFOS) 10 1-Octanesulphonale acid 1.1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); 11,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); 11,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); 12 methylenebis(4-isocyanatobenzene) and polymethylenepolyphenylene isocyanate, 2-ethylheav) esters, Me Et ketone oxima-blocked(PFOS) 13 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 benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS) 13 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 benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS) 14 Glycine, N-ethyl-N-(Ipptadecafluorocytlysulphonyl), ethyl ester(PFOS) 15 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS) 16 1-Octanesulphonamide, N.N.N'- (phosphinylidynetris(oxy-2,1-ethanediyl))tris[N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS)] 1 -Octanesulphonamide, N.N.N'- (phosphinylidynetris(oxy-2,1-ethanediyl))tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS)] 1 -Octanesulphonamide, N.N.N'- (phosphinylidynetris(oxy-2,1-ethanediyl))tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS)] 1 -Octanesulphonamide, N.N (phosphinylidynetris(oxy-2,1-ethanediyl))tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS)] 2 -Propenoic acid, 2-[[(heptadecafluorocythyl-1,1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-potassium salt (PFOS); Perfluorooctane sulfonate potasium salt (PFOS); Perfluorooctane sulfonate potasium salt (PFOS) 2 291-50-6 2 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS) 2 291-50-6 3 1-Octanesulphonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, inthium salt(PFOS) 2 1-Octanesulphonic			1002-00-7
9 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)-(PFOS) 10 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); 11 1-Octanesulphonamide, N-i3-(dimethyloxidoamino)propyl]. 11,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); 11,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-potassium salt(PFOS) 21 methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked(PFOS) 13 1-Octanesulphonamide, 1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-reaction products with benzene-chiorine-sulphur chloride (S2Cl2) reaction(PFOS) 14 Glycine, N-ethyl-N-((heptadecafluorocyty)sulphonyl)-, ethyl ester(PFOS) 15 Sulphonamides, C4-8-alkane, perfluoro, N-i3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS) 16 1-Octanesulphonamide, N,N,N'' [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS) 17 1-Octanesulphonamide, N-btyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS) 18 1-Octanesulphonamide, N-tehyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS) 19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS) 10 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-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS) 11 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS) 12 2-Propenoic acid, 2-[[(heptadecafluoroctyl)sulphonyl]methylamino]ethyl ester(PFOS) 13 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorocotane sulfonate potasium salt 14 Poly(oxy-1,2-ethanediyl), apha-12-[ethyl[(heptadecafluorocytyl)sulphonyl]-(PFOS) 13 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, iithium salt 14 Poly(oxy-1,2-ethanediyl), apha-12-[ethyl[(heptadecafluorocytyl)sulph		loalde(PFOS)	
vidroxyethyl-(PFOS)   1763-23-1   1763-2	8		
vidroxyethyl-(PFOS)   1763-23-1   1763-2			
vidroxyethyl-(PFOS)   1763-23-1   1763-2			
vidroxyethyl-(PFOS)   1763-23-1   1763-2		1-Octanesulphonamide N-ethyl-1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 8-hentadecafluoro-N-(2-	1601-00-2
10 -Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoroctane sulfonate acid 11 -Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 11,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-potassium salt(PFOS) 3 - Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl)-, polymers with 1,1'- 2 methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2- ethylhexyl esters, Me Et ketone oxime-blocked(PFOS) 1 - Octanesulphonamide, 1,1,2,2,3,3,4,4,5,6,6,6,7,8,8,8-heptadecafluoro-N-methyl- reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS) 3 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS) 4 Solynonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS) 5 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS) 6 -1-Octanesulphonamide, N,N',N''. [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-heptadecafluoro-N-[2- hydroxyethyl)-(PFOS) 1 -Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,7,7,8,8,8-heptadecafluoro-N-[2- hydroxyethyl)-(PFOS) 1 -Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2- propenyl-(PFOS) 1 -Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8- heptadecafluoro-1-octanesulphonic acid (1:1)(PFOS) 2 - Propenoic acid, 2-[[(heptadecafluoroctyl)sulphonyl]mino]ethyl ester(PFOS) 2 - Propenoic acid, 2-[[(heptadecafluoroctyl)sulphonyl]mino]ethyl ester(PFOS) 2 - Propenoic acid, 2-[[(heptadecafluoroctyl)sulphonyl]mino]ethyl ester(PFOS) 2 - Propenoic acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro-, potassium	9		1001-00-2
10 Perfluoroctane sulfonate acid 11 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-,potassium salt(PFOS) 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-potassium salt(PFOS) 2 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(PFOS) 1 Octanesulphonamide, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl- reaction products with benzene-chionine-sulphur tohoride (S2Cl2) reaction(PFOS) 9 (14 Glycine, N-ethyl-N-([heptadecafluoroctyl)sulphonyl]-, ethyl ester(PFOS) 1 (15 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrytic acid(PFOS) 1 (16 Octanesulphonamide, N,N,N'- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-heptadecafluoro-N-(2- hydroxyethyl)-N-methyl-(PFOS) 1 (17 Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2- hydroxyethyl)-N-methyl-(PFOS) 1 (18 Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2- propenyl-(PFOS) 1 (19 Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2- propenyl-(PFOS) 1 (19 Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2- propenyl-(PFOS) 1 (19 Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-potassium 2 (19 Octanesulphonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-potassium 2 (19 Octanesulphonic acid,			4700.00
11 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 12 methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2- ethylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2- ethyleneyl esters, Me Et ketone oxime-blocked(PFOS) 13 1-Octanesulphonamide, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl- reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS) 14 Glycine, N-ethyl-N-[(heptadecafluoroocty)]sulphonyl], ethyl ester(PFOS) 15 Sulphonamides, N-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products 16 1-Octanesulphonamide, N,N,N"- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl- 1,1,2,2,3,3,4,4,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 16 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)-(PFOS) 17 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)-N-methyl-(PFOS) 18 1-Octanesulphonamide, N-lorenethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2- propenyl-(PFOS) 19 1-Octanesulphonidamide, N-lorenethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2- propenyl-(PFOS) 10 1-Octanesulphonidae, N-lorenethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,2,2,2,2,2,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,2,2,2,2,2,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,2,2,2,2,2,2,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,2,2,2,2,2,2,2,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,2,2,2,2,2,2,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,2,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,2,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,2,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,2,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1,	10		1/63-23-1
Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(nydroxyethyl)-, polymers with 1,1'- 2 methylenebis(4-isocyanatobenzene) and polymethylenepolyphenylene isocyanate, 2- 2 ethylhexyl esters, Me Et ketone oxime-blocked(PFCOS)   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 benzene-chlorine-sulphur chloride (S2CI2) reaction(PFOS)   14 Glycine, N-ethyl-N-[(heptadecafluoroocty)sulphonyl]-, ethyl ester(PFOS)   15 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS)   16   1-Octanesulphonamide, N.N.N'- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2- hydroxyethyl)-(PFOS)   1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2- hydroxyethyl)-N-methyl-(PFOS)   1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2- propenyl-(PFOS)   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- 20 heptadecafluoro-1-octanesulphonic acid (1:1)(PFOS)   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- 21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)   25268-77-3   22 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)   2911-0-Ctanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt   24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]- mega-hydroxy-(PFOS)   1-Octanesulphonic acid, 1,1,2,2,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate ammonium salt   Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]-   30 Salt(PFOS); Perfluorooctane sulfonate ilthium salt   24 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)   30 Fatty acids, linseed-oil, dimers, 2- [([heptadecafluoro-, am	. 0		
Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(nydroxyethyl)-, polymers with 1,1'- 2 methylenebis(4-isocyanatobenzene) and polymethylenepolyphenylene isocyanate, 2- 2 ethylhexyl esters, Me Et ketone oxime-blocked(PFCOS)   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 benzene-chlorine-sulphur chloride (S2CI2) reaction(PFOS)   14 Glycine, N-ethyl-N-[(heptadecafluoroocty)sulphonyl]-, ethyl ester(PFOS)   15 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS)   16   1-Octanesulphonamide, N.N.N'- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2- hydroxyethyl)-(PFOS)   1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2- hydroxyethyl)-N-methyl-(PFOS)   1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2- propenyl-(PFOS)   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- 20 heptadecafluoro-1-octanesulphonic acid (1:1)(PFOS)   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- 21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)   25268-77-3   22 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)   2911-0-Ctanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt   24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]- mega-hydroxy-(PFOS)   1-Octanesulphonic acid, 1,1,2,2,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate ammonium salt   Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]-   30 Salt(PFOS); Perfluorooctane sulfonate ilthium salt   24 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)   30 Fatty acids, linseed-oil, dimers, 2- [([heptadecafluoro-, am		1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propvI]-	178094-69-
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(PFOS)  13	11		4
methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked(PFOS)  13 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 benzene-chlorine-sulphur chloride (S2C12) reaction(PFOS)  14 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, ethyl ester(PFOS)  15 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS)  16 1-Octanesulphonamide, N,N,N'"- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS)  17 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)-N-methyl-(PFOS)  18 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)-N-methyl-(PFOS)  19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  10 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-N-2-propenyl-(PFOS)  11 2-Propenoic acid, 2-[[(heptadecafluorocotyl)sulphonyl]methylamino]ethyl ester(PFOS)  12 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt (PFOS); Perfluorooctane sulfonate potasium salt  23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate momonium salt (PFOS); Perfluorooctane sulfonate lithium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]methylphonyl]methylphonyl]methylphonylphonylphonylphonylphonylmethylphon			178535-22
ethylhexyl esters, Me Et ketone oxime-blocked(PFOS)  13 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 benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS)  9 14 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, ethyl ester(PFOS)  15 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS)  16 1-Octanesulphonamide, N,N,N"- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  17 1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS)  18 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-(PFOS)  19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  10 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  11 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-propenyl-(PFOS)  12 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt  1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, ithium salt(PFOS); Perfluorooctane sulfonate ammonium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]mino]ethyl-omega-hydroxy-(PFOS)  25 1-Octanesulphonamide, N-(heptadecafluorooctyl)sulphonyl-(PFOS)  26 Glycine, N-ethyl-N-((heptadecafluorooctyl)sulphonyl-(PFOS)  27 Octanesulphonamide, N-(hydroxyethyl)-N-methyl, reaction products  28 (Glycine, N-ethyl-N-(heptadecafluorooctyl)sulphonyl-(PFOS)  29 1-Octanesulphonamide, N-(hydroxyethyl)-N-methyl, reaction products  30 (Hydroxy-1, 2-ethanediyl), alpha-[2-[ethyl-(hydroxyethyl)-N-met	4.0		
13 r-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-, reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS)  14 Glycine, N-ethyl-N-([heptadecafluorooctyl)sulphonyl]-, ethyl ester(PFOS)  15 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS)  16 1-Octanesulphonamide, N,N',N''- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  17 1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS)  18 1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-(PFOS)  19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  1 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-heptadecafluoro-N-2-propenyl-(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt  23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate ammonium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]mino]ethyl-omega-hydroxy-(PFOS)  25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate ammonium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-((heptadecafluorooctyl)sulphonyl)-(PFOS)  29 1-Octanesulphonamide, N-N'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-desters(PFOS)]  30 1-Octanesulphonamide, N-N'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-desters(PFOS)]  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  31 Sulphonam	12		3
reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS)  14 Glycine, N-ethyl-N-[(heptadecafluoroocty)] sulphonyl]-, ethyl ester(PFOS)  189-77-8  Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS)  16 1-Octanesulphonamide, N,N',N''- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  17 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)-N-methyl-(PFOS)  18 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)-N-methyl-(PFOS)  19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  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-N-2-propenyl-(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  22 3 salt(PFOS); Perfluorooctane sulfonate potasium salt  1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt (PFOS); Perfluorooctane sulfonate ammonium salt  29 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS)  25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-ptossium salt(PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-ptossium salt(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-ptossium salt(PFOS)  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulphonyl]-minolethyl  29 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulphonyl]methylaminolethyl  29 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulphonyl]methylam		ethylhexyl esters, Me Et ketone oxime-blocked(PFOS)	
reaction products with benzene-chlorine-sulphur chloride (S2Cl2) reaction(PFOS)  14 Glycine, N-ethyl-N-[(heptadecafluoroocty)] sulphonyl]-, ethyl ester(PFOS)  189-77-8  Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS)  16 1-Octanesulphonamide, N,N',N''- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  17 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)-N-methyl-(PFOS)  18 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)-N-methyl-(PFOS)  19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  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-N-2-propenyl-(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  22 3 salt(PFOS); Perfluorooctane sulfonate potasium salt  1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt (PFOS); Perfluorooctane sulfonate ammonium salt  29 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS)  25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-ptossium salt(PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-ptossium salt(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-ptossium salt(PFOS)  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulphonyl]-minolethyl  29 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulphonyl]methylaminolethyl  29 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulphonyl]methylam	10	1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-,	182700-90-
14 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, ethyl ester(PFOS) 15 Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS) 16 1-Octanesulphonamide, N,N',N''- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1.2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-(PFOS) 17 1-Octanesulphonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-(PFOS) 18 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-(PFOS) 19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-2-propenyl-(PFOS) 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-heptadecafluoro-N-2-propenyl-(PFOS) 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-heptadecafluoro-n-octanesulphonic acid (1:1)(PFOS) 21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS) 22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt 23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt 24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS) 25 3alt(PFOS); Perfluorooctane sulfonate ithium salt 26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-potassium salt(PFOS) 29 1-Octanesulphonamide, N,[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-, ammonium salt(PFOS) 29 1-Octanesulphonamide, 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-heptadecafluoro-, ammonium salt(PFOS) 29 1-Octanesulphonamide, 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-heptadecafluoro-, ammonium salt(PFOS) 29 1-Octanesulphonamide, 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-heptadecaf	13		
Sulphonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid(PFOS) 1-Octanesulphonamide, N,N,N''-[phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 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)-(PFOS) 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-(PFOS) 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS) 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS) 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)(PFOS) 21 2-Propenoic acid, 2-[[(heptadecafluorocvyl)sulphonyl]methylamino]ethyl ester(PFOS) 22 3 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate patasium salt 23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt 24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl](heptadecafluoroctyl)sulphonyl]amino]ethyl-omega-hydroxy-(PFOS) 25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate lithium salt 26 Glycine, N-ethyl-N-[(heptadecafluorocotyl)sulphonyl]-potassium salt(PFOS) 29 1-Octanesulphonamide, N,I'-[chimethyloxidoamino]propyl]-1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-(PFOS) 30 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-heptadecafluoro-(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl[(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl[(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl[(PFOS) 31 Sul	1.1		
with acrylic acid(PFOS)  16 1-Octanesulphonamide, N,N',N''- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  17 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)-(PFOS)  18 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)-N-methyl-(PFOS)  19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  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-N-2-propenyl-(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS): Perfluorooctane sulfonate potasium salt  23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS): Perfluorooctane sulfonate ammonium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl-omega-hydroxy-(PFOS)  25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  28 1-Octanesulphonamide, N,1-[ohosphinicobis(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-(PFOS)  1-Octanesulphonamide, N,1-[ohosphinicobis(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-(PFOS)  30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluoro-, ammonium salt(PFOS)  50 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306973-47-300 oxazolidiny]methyl[(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction produ	14		
with acrylic acid(FFOS)  1-Octanesulphonamide, N,N',N''- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  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)-(PFOS)  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-(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  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)(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt  23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]monyl]mino]ethyl]-omega-hydroxy-(PFOS)  25 3-1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  28 1-Octanesulphonamide, N,3-(dimethyloxidoamino)propyl]-1,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt  29 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  30 Fatty acids, linseed-oil, dimers, 2- [([heptadecafluoro-, ammonium salt(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS)	15		192662-29-
1-0. 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 17			6
1-0. 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 17	10	1-Octanesulphonamide, N,N',N"- [phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-	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)-(PFOS) 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-(PFOS) 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS) 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)(PFOS) 2-Propenoic acid, 2-[[(heptadecafluoroctyl)sulphonyl]methylamino]ethyl ester(PFOS) 2-Propenoic acid, 2-[[(heptadecafluoroctyl)sulphonyl]methylamino]ethyl ester(PFOS) 2-Propenoic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorocctane sulfonate potasium salt 2-Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluoroctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS) 2-Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluoroctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS) 2-Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluoroctyl)sulphonyl]-potassium salt(PFOS); Perfluorocctane sulfonate lithium salt salt(PFOS); Perfluorocctane sulfonate lithium salt salt(PFOS); Perfluorocctane sulfonate lithium salt salt(PFOS) 2-Poly(oxy-1,2-ethanediyl)-nyl-(heptadecafluoroctyl)-polyl-	16		
hydroxyethyl)-(PFOS)  18 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-(PFOS)  19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  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)(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt  23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS)  25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]- potassium salt(PFOS)  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 30295-51-3  29 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 30295-51-3  29 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 30295-51-3  30 5 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  33 Isighonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  34 Isigha and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxyl)propylgroup] - 306974-28-33  35 Isigha and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxyl)propylgroup] - 306974-28-33  36 Isigha and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxyl)propylg			2263-00-4
18 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-(PFOS) 19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS) 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)(PFOS) 21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS) 22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt 23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt 24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS) 25 salt(PFOS); Perfluorooctane sulfonate ilithium salt 26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS) 27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS) 28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-10-ctanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-11-0-ctanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-11-0-ctanesulphonamide, 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(PFOS) 30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluoro-, ammonium salt(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 32 Sulphonamides, G-4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 33 Iterminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate 34 Forthyl-N-(polymethyl)(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate 35 Iterminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	17		2203-03-4
hydroxyethyl)-N-methyl-(PFOS)  19 1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  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)(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt  23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl](heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS)  25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt (PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-  1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]-  1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS)  30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluoro-, ammonium salt(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  33 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  34 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  35 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-306974-28-306974-28-306974-28-306974-28-306974-28-306974-28-306974-28-306974-28-306974-28-306974-28-306974-28-306974-28-3		nydroxyetnyi)-(PFOS)	
hydroxyethyl)-N-methyl-(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propenyl-(PFOS)  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)(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt  23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl](heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS)  25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt (PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)  29 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  33 Sulphonamides, G4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  34 Sulphonamides, G4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  35 Sulphonamides, G4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  36 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-31 terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	18		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-propenyl-(PFOS) 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)(PFOS) 21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS) 22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt (PFOS); Perfluorooctane sulfonate potasium salt osalt(PFOS); Perfluorooctane sulfonate ammonium salt Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS) 25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt poly(propensional) salt(PFOS); Perfluorooctane sulfonate ithium salt poly(propensional) salt(PFOS) perfluorooctane salfonate ithium salt poly(propensional) salt(PFOS) salt poly(propensional) salt(PFOS) salt poly(propensional) salt(PFOS) salt poly(propensional) salt poly(propensional) salt poly(propensional	10	hydroxyethyl)-N-methyl-(PFOS)	
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)(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS) 22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt 23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt 24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl](heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS) 25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate lithium salt 26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS) 27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS) 28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 30 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 31 1.2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 31 Sulphonamides, G4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 31 Sulphonamides, G4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 31 Sulphonamides, G4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 32 Sulphonamides, G4-8-alkane, perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate 33 terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate		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
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)(PFOS)  21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS) 25268-77-3 21 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt (PFOS); Perfluorooctane sulfonate potasium salt 23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt (PFOS); Perfluorooctane sulfonate ammonium salt 24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS) 25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate lithium salt 26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS) 27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS) 28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 29 1-Octanesulphonamide, N,N'-[phosphincobis(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-(PFOS) 30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluoro-ammonium salt(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 31 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup]-3 306974-28-3 terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	19	propenyl-(PEOS)	
20 heptadecafluoro-1-octanesulphonic acid (1:1)(PFOS)  2 2-Propenoic acid, 2-[((heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)  2 3 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt(PFOS); Perfluorooctane sulfonate potasium salt  2 3 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt  2 4 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS)  2 5 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate lithium salt  2 6 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  2 7 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)  2 8 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  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-(PFOS)  3 1 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS)  3 2 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  3 3 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate		1 Department I See N depart N N dimethyl colt with 1 1 2 2 2 2 4 4 5 5 6 5 7 7 9 9 9	251000 16
21 2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS) 22 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt (PFOS); Perfluorooctane sulfonate potasium salt 23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt 24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl](heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS) 25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate lithium salt 26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS) 27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS) 28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 29 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(PFOS) 30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 33 terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	00		
22	20	heptadecafluoro-1-octanesulphonic acid (1:1)(PFOS)	8
22			
22	21	2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester(PFOS)	25268-77-3
22 salt(PFOS); Perfluorooctane sulfonate potasium salt  23 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS)  25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  29 1-Octanesulphonamide, NN'-[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(PFOS)  30 1-Octanesulphonamide, NN'-[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(PFOS)  30 291-51-3  30 291-51-3  30 3081-98-7  30 30897-46-6 6 306973-46-6 6 306973-46-6 6 306973-47-0-0xazolidinyl)methyl](PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  33 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - oxazolidinyl)methyl](PFOS)  34 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate			
1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS); Perfluorooctane sulfonate ammonium salt  24 Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]-omega-hydroxy-(PFOS)  25 1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  29 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(PFOS)  30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  33 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - determinated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	22		
salt(PFOS); Perfluorooctane sulfonate ammonium salt  Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]- omega-hydroxy-(PFOS)  1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  29 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(PFOS)  30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  33 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-31 terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate  34 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-31 terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate			20091 56 0
Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]- omega-hydroxy-(PFOS)  1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt(PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS) 27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS) 28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 29 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(PFOS) 30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS) 32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 33 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-31 terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	23		23001-30-9
omega-hydroxy-(PFOS)  1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt (PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS) 2991-50-6  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS) 2991-51-7  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 30295-51-3  29 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(PFOS)  Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDl, ammonium salts(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-31 terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate			004:=
omega-hydroxy-(PFOS)  1-Octanesulphonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, lithium salt (PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  29 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(PFOS)  Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  30 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  32 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-33 terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	21		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 (PFOS); Perfluorooctane sulfonate lithium salt (PFOS); Perfluorooctane sulfonate lithium salt (PFOS) (Postine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS) (PFOS) (	24	omega-hydroxy-(PFOS)	<u> </u>
salt(PFOS); Perfluorooctane sulfonate lithium salt  26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS)  27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  29 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(PFOS)  30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  33 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate			29457-72-5
26 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-(PFOS) 2991-50-6 27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS) 2991-51-7 28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS) 29 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(PFOS) 30 Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS) 31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS) 32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 33 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl]((perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	25		
27 Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, potassium salt(PFOS)  2991-51-7  28 1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  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(PFOS)  Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl]((perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	0.0		2004 50 0
1-Octanesulphonamide, N-[3-(dimethyloxidoamino)propyl]- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  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(PFOS)  Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate			
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  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(PFOS)  Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	27		
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)  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(PFOS)  Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-33 terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	20		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(PFOS)  Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate	20	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)	
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt(PFOS)  Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-33 terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate			30381-98-7
Fatty acids, linseed-oil, dimers, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl esters(PFOS) 6  Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS) 7  Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS) 6  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-33 terminated, polymers with 2-[methyl]((perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate 7	29		
esters(PFOS)  31 Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  306974-19-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate			306072 46
Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate  306973-47-07-07-07-07-07-07-07-07-07-07-07-07-07	30		
with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  53 Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl](perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate  7			
with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)  32 Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  306974-19-6  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate  7	31		
Sulphonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate  7	01	with 12-hydroxystearic acid and 2,4-TDI, ammonium salts(PFOS)	7
oxazolidinyl)methyl](PFOS)  Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate  7			306974-19-
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propylgroup] - 306974-28-33 terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate 7	32		
terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate 7			
and stearyl methacrylate(PFOS)	33		7
		and stearyl methacrylate(PFOS)	<u> </u>

No	Substance name	例示 CAS No
	Sulphonic acids, C6-8-alkane, perfluoro, compounds with polyethylene-polypropylene	306974-45-
34	glycol bis(2-aminopropyl) ether(PFOS)	8
	Fatty acids, C18-unsatd.,dimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino] ethyl	306974-63-
35	esters(PFOS)	0
	Propanoic acid, 3-hydroxy-2- (hydroxymethyl)-2-methyl-, polymer with 2-ethyl-2-	306975-56-
	(hydroxymethyl)-1,3-propanediol and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic	4
	diamide, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-	
	heptadecafl(PFOS)	
36		
	Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,1'-	306975-57-
37	methylenebis[4- isocyanatobenzene] and 1,2,3-propanetriol, reaction products with	5
3/	Nethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-1-	
	octanesulphon(PEOS)	
38	2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2- [methyl[(perfluoro-C4-8-	306975-62-
30	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)	2
39	Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, polymer with 1,6-	306975-84-
- 00	diisocyanatohexane, N-(hydroxyethyl)-N-methyl perfluoro C4-8-alkane	8
	2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with N-(hydroxymethyl)-2-	306975-85-
4.0	propenamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl methacrylate, stearyl	9
40	methacrylate and vinylidene chloride(PFOS)	
	1-Hexadecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-,	306976-25-
	bromide, polymers with Bu acrylate, Bu methacrylate and 2-methyl[(perfluoro-C4-8-	0
41	alkyl)sulphonyl]amino]ethyl acrylate(PFOS)	
	2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2,4-diisocyanato-1-	306976-55-
	methylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2-propenoic acid, N-	6
42	ethyl-N-(hydroxyethyl)perfluoro-C4-8-alkanesulphonamides(PFOS)	
	2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymers with acrylic acid, 2-	306977-58-
13	[methyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl acrylate and propylene glycol	2
40	monoacrylate, hydrolysed, compounds with 2,2'-(methylimino)bis(PFOS)	_
	I2-Propendic acid, butyl ester, polymers with acrylamide, 2-[methyll(perfluoro-C4-8-	306978-04-
44	2-Propenoic acid, butyl ester, polymers with acrylamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulphonyl]aminolethyl acrylate and vinylidene chloride(PFOS)	306978-04- 1
	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)	1
44 45	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-	1 306978-65-
45	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8- alkane sulphonamides- and stearyl alcblocked(PFOS)	1 306978-65- 4
	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8- alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-	1 306978-65-
45	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8- alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3- tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)	1 306978-65- 4 306979-40- 8
45	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8- alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3- tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-	1 306978-65- 4 306979-40- 8 306980-27-
45	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8- alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3- tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)	1 306978-65- 4 306979-40- 8
45 46 47	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8- alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3- tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5- oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8
45 46 47 48	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8- alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3- tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5- oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7
45 46 47 48	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7
45 46 47 48	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl](heptadecafluorooctyl)sulphonyl]amino]ethyl	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7
45 46 47 48	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7
45 46 47 48 49	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl](heptadecafluorooctyl)sulphonyl]amino]ethyl	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7
45 46 47 48 49 50	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7
45 46 47 48 49	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7
45 46 47 48 49 50	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N''-trimethyl-, chloride(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7
45 46 47 48 49 50	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N''-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7
45 46 47 48 49 50	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N''-trimethyl-, chloride(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7
45 46 47 48 49 50 51	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N''-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7
45 46 47 48 49 50 51 52 53	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N"-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7
45 46 47 48 49 50 51 52 53 54	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N''-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7 38006-74-5 3820-83-5
45 46 47 48 49 50 51 52 53 54 55	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N"-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-(PFOS)  2-Propenoic acid, 2-[butyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, sodium salt(PFOS)  Sodium perfluorooctanesulfonate	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7 38006-74-5 3820-83-5 383-07-3 3871-50-9
45 46 47 48 49 50 51 52 53 54 55	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N''-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-(PFOS)  2-Propenoic acid, 2-[butyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, sodium salt(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7 38006-74-5 3820-83-5 383-07-3 3871-50-9 4021-47-0
45 46 47 48 49 50 51 52 53 54 55 56	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N"-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-(PFOS)  2-Propenoic acid, 2-[butyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, sodium salt(PFOS)  Sodium perfluorooctanesulfonate  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7 38006-74-5 3820-83-5 383-07-3 3871-50-9 4021-47-0 4151-50-2
45 46 47 48 49 50 51 52 53 54 55	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N"-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-(PFOS)  2-Propenoic acid, 2-[butyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, sodium salt(PFOS)  Sodium perfluorooctanesulfonate  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7 38006-74-5 3820-83-5 383-07-3 3871-50-9 4021-47-0 4151-50-2
45 46 47 48 49 50 51 52 53 54 55 56	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N''-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-(PFOS)  2-Propenoic acid, 2-[butyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, sodium salt(PFOS)  Sodium perfluorooctanesulfonate  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-2-Propenoic acid, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7 38006-74-5 3820-83-5 3871-50-9 4021-47-0 4151-50-2 423-82-5
45 46 47 48 49 50 51 52 53 54 55 56	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl][(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N''-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-(PFOS)  2-Propenoic acid, 2-[butyl](heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, sodium salt(PFOS)  Sodium perfluorooctanesulfonate  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-2-Propenoic acid, 2-[ethyl](heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7 38006-74-5 3820-83-5 383-07-3 3871-50-9 4021-47-0 4151-50-2
45 46 47 48 49 50 51 52 53 54 55 56 57	alkyl)sulphonyl]amino]ethyl acrylate and vinylidene chloride(PFOS)  Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methyl perfluoro-C4-8-alkane sulphonamides- and stearyl alcblocked(PFOS)  Poly(oxy-1,2-ethanediyl), alpha-[2-(methylamino)ethyl]-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulphonyl](PFOS)  Sulphonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-(PFOS)  1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS); Perfluoro-1-octanesulfonyl fluoride  1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N''-trimethyl-, chloride(PFOS)  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-(PFOS)  2-Propenoic acid, 2-[butyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)  Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]-, sodium salt(PFOS)  Sodium perfluorooctanesulfonate  1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-2-Propenoic acid, 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester(PFOS)	1 306978-65- 4 306979-40- 8 306980-27- 8 307-35-7 31506-32-8 376-14-7 38006-74-5 3820-83-5 3871-50-9 4021-47-0 4151-50-2 423-82-5

No	Substance name	例示 CAS No
60	1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(phenylmethyl)-(PFOS)	50598-29-3
61	Poly(oxy-1,2-ethanediyl), alpha-[2-[[(heptadecafluorooctyl)sulphonyl]propylamino]ethyl]-omega-hydroxy-(PFOS)	52550-45-5
62	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)(PFOS):	56773-42-3
63	Benzoic acid, 2,3,4,5-tetrachloro-6-[[[3- [[(heptadecafluorooctyl)sulphonyl]oxy]phenyl]amino]carbonyl]-, monopotassium	57589-85-2
64	2-Propenoic acid, 4-[[(heptadecafluorooctyl)sulphonyl]methylamino]butyl ester(PFOS)	58920-31-3
65	2-Propenoic acid, 2-methyl-, 4-[[(heptadecafluorooctyl)sulphonyl]methylamino]butyl	61577-14-8
66	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]-(PFOS)	61660-12-6
67	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]-(PFOS)	67939-42-8
68	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(PFOS)	67939-88-2
69	1-Octanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl]-, diammonium salt(PFOS)	67969-69-1
70	Carbamic acid, (4-methyl-1,3-phenylene)bis-, bis[2-[ethyl[(perfluoro-C4-8-alkyl)sulphonyl]amino]ethyl] ester(PFOS)	68081-83-4
71	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-(PFOS)	68239-73-6
72	1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl](3-sulphopropyl)amino]-N-(2-hydroxyethyl)-N,N-dimethyl-, hydroxide, inner salt(PFOS)	68298-11-3
73	1-Propanaminium, 3-[[(heptadecafluorooctyl)sulphonyl]amino]-N,N',N"-trimethyl-, iodide, ammonium salt(PFOS)	68310-75-8
74	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](PFOS)	68329-56-6
75	2-Propenoic acid, polymer with 2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-propenoate(PFOS)	68541-80-0
76	2-Propenoic acid, butyl ester,polymer with 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl 2-propenoate, 2-	68555-90-8
	methylf(nonafluorobutyl)sulphonyllaminolethyl 2-propenoate. 2-	
77	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-propeno(PFOS)	68555-91-9
78	2-Propenoic acid, 2-methyl-, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester, polymer with 2- [methyl[(nonafluorobutyl)sulphonyl]amino]ethyl 2-methyl-2-propenoate, 2- [methyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl 2-methyl-2-(PFOS)	68555-92-0
79	Sulphonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene](PFOS)	68608-14-0
80	N-(2-hydroxyethyl)-1-butanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)- 1-heptanesulphonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulphonamide, N-ethyl-1,1,2,(PFOS)	68649-26-3
81	2-Propenoic acid, 2-[[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl ester, polymer with 2-[methyl[(nonafluorobutyl)sulphonyl]amino]ethyl 2-propenoate, 2-[methyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl 2-propenoate, 2-[methyl[(trideca(PFOS)	68867-60-7
82	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-prope(PFOS)	68877-32-7
	Chromium, diaquatetrachloro[mu-[N-ethyl-N- [(heptadecafluorooctyl)sulphonyl] glycinato-	68891-96-3

No	Substance name	例示 CAS No
84	2-Propenoic acid, eicosyl ester, polymers with branched octylacrylate, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl acrylate, 2- [methyl[(nonafluorobutyl)sulphonyl]amino]ethyl acrylate, 2- [methyl[(pentadecafluoroheptyl)sulphonyl]amino](PFOS)	68909-15-9
85	Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl]- omega-methoxy-(PFOS)	68958-61-2
86	Bis(2-hydroxyethyl)ammonium perfluorooctanesulfonate	70225-14-8
	2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl 2-propenoate, N-(hydroxymethyl)-2- propenamide, 2-[methyl[(nonafluorobutyl)sulphonyl]amino]ethyl 2-propenoate, 2-(PFOS)	70776-36-2
88	1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, compd. with piperidine (1:1)	71463-74-6
89	Phosphonic acid, [3-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]propyl]-(PFOS)	71463-78-0
	Phosphonic acid, [3-[ethyl[(heptadecafluorooctyl)sulphonyl]amino]propyl]-, diethyl	71463-80-4
91	2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethyl 2-propenoate, 2- [methyl[(nonafluorobutyl)sulphonyl]amino]ethyl 2-propenoate, 2- [methyl[(pentadecafluoroheptyl)sulphonyl] (PFOS)	71487-20-2
92	1-Octanesulphonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-(PFOS)	754-91-6
93	Magnesium bis[heptadecafluorooctanesulphonate]	91036-71-4
94	Sulphonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with epichlorohydrin, adipates (esters)(PFOS)	91081-99-1
95	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-(PFOS)	92265-81-1
96	1-Propanesulphonic acid, 3-[[3-(dimethylamino)propyl][(heptadecafluorooctyl) sulphonyl]amino]-2-hydroxy-, monosodium salt(PFOS)	94133-90-1
97	Carbamic acid, [5-[[[2- [[(heptadecafluorooctyl)sulphonyl]methylamino]ethoxy]carbonyl]amino]-2-methylphenyl]-,	94313-84-5
98	Sulphonamides, C7-8-alkane, perfluoro, N-methyl-N-[2-[(1-oxo-2-propenyl)oxy]ethyl], polymers with 2-ethoxyethyl acrylate, glycidyl methacrylate and N,N,trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethanaminium chloride(PFOS)	98999-57-6

6 REACH AnnexVXII 26/42

### Appendix 6:

REACH Annex XVII Restriction of placing on the market and use \*Refer the original text about the each restriction of use. <a href="http://ec.europa.eu/enterprise/sectors/chemicals/reach/restrictions/index\_en.htm">http://ec.europa.eu/enterprise/sectors/chemicals/reach/restrictions/index\_en.htm</a>

	ŗ				
No.	Chemical Name Sample Main use of restriction				
		CAS No.		acceptable	
				value	
1	Poly chlorinated terphenyls (PCTs)	61788-33-	Substances, mixtures, including waste oils,	50ppm	
_	Chlara 4 athudana (managanan sinud ahlarida)	8*	or equipment	Donning the use	
3	Chloro-1-ethylene (monomer vinyl chloride) Liquid substances or mixtures fulfilling the criteria for	75-01-4 —	Aerosols dispensers Ornamental oil lamps, etc.	Banning the use Banning the use	
3	any of the following hazard classes or categories set			Darining the use	
	out inAnnex I to Regulation (EC) No 1272/2008:				
4	Tris(2,3-dibromopropyl)phosphate	126-72-7	Textile articles coming into contact with the	Banning the use	
5	Benzene	71-43-2	Substances or mixtures	1000ppm	
6	Ashastas		Toys Articles	5ppm Banning the use	
U	Asbestos (a) Crocidolite	12001-28-4	Ailicles	Darining the use	
	(b) Amosite	12172-73-5			
	(c) Anthophylite asbestos	77536-67-5			
	(d) Actinolite asbestos	77536-66-4			
	(e) Tremolite asbestos	77536-68-6			
	(f) Chrysotile	12001-29-5			
		132207-32-			
7	Tris-aziridinyl-phosphinoxide	545-55-1	Textile articles, come into contact with the	Banning the use	
	Polybromobiphenyls (PBB)		Textile articles, come into contact with the	Banning the use	
9	(a) Soap bark powder (Quillaja saponaria)	68990-67-0	Mixtures or articles in amenity goods like	Banning the use (stink bombs :	
	and its derivatives containing saponines (b) Powder of the roots of Helleborus viridis	_	sneezing powder and stink bombs	under 1.5ml)	
	and Helleborus niger			under 1.0mij	
	(c) Powder of the roots of Veratrum album	_			
	and Veratrum nigrum				
	(d) benzidine and/or its derivatives	92-87-5			
	(e) o-nitrobenzaldehyde	552-89-6			
	(f) Wood powder	_			
10	(a) Ammonium sulphide	12135-76-1			
	(b) Ammonium hidrogen sulphide	12124-99-1			
11	(c) Ammonium polysulphide Volatile esters of bromoacetic acids	9080-17-5			
11	(a) Methyl bromoacetate	96-32-2			
	(b) Ethyl bromoacetate	105-36-2			
	(c) Propyl bromoacetate	35223-80-4			
	(d) Butyl bromoacetate	18991-98-5			
12	2-naphthylamine and its salts	91-59-8	Substances or mixtures	1000ppm	
	Benzidine and its salts	92-87-5			
	4-nitrobiphenyl	92-93-3			
	4-aminobiphenyl and its salts	92-67-1		D : (1	
16	Lead carbons	500 C2 O	Substances or mixtures, where the	Banning the use	
	(a) Neutral anhydrous carbonate (PbCO3) (b) Trilead-bis(carbonate)-dihydroxide	598-63-0 1319-46-6	substance or mixture is intended for use as		
	2PbCO3-Pb(OH)2	1319-40-0	paint		
17	Lead sulphates				
	(a) Lead sulphates(PbSO4)	7446-14-2			
	(b) Lead sulphates(PbxSO4)	15739-80-7			
18a		7439-97-6	Ffever thermometers, measuring devices	Banning the use	
			including mercury	(*) from 2014/4/10	
				1	
18	Mercury compounds	_	boats and ships, equipment used for fish or	Banning the use	
	Arsenic compounds	_	shellfish farming, preservation of wood, the		
	Organostannic compounds		Biocide ,the treatment of industrial waters	Banning the use	
	Trisubstituted organostannic compounds		Articles	1000ppm of Sn	
	Tributyltin (TBT) compounds,			1	
	Triphrnyltin (TPT) compounds etc.		 	4	
	Dibutyltyltin (DBT) compounds	_	Mixtures or articles	4	
	Dioctyltin (DOT) compounds	_	Articles intended to come into contact with	1	
21	Di-μ-oxo-di-n-butylstanniohydroxyborane (DBB)	75112 27 0	the skin Substances or mixtures	1000ppm	
	Pentachlorophenol and its esters	87-86-5	Substances or mixtures Substances or mixtures	1000ppm	
	Cadmium and its compounds	7440-43-9	Plastic, brazing fillers, jewelry goods,	100ppm	
	Caamam and to compounds	etc.	cadmium plating except special use		
		Oio.	caamian planing except openial use	1	
L		<u></u>	Paint	1000ppm	

6 REACH AnnexVXII 27/42

No.	Chemical Name	Sample CAS No.	Main use of restriction	Maximum acceptable value
	Monomethyl-tetrachloridiphenyl methane	<del>76253-</del> 60-6	Substances, mixtures or articles containing	Banning the use
25	Monomethyl-dichlorodiphenyl methane	_	the substance	
	Monomethyl-dibromo-diphenyl methane Nickel and its compounds	99688-47-8 7440-02-0	The use intended to come into direct and	Banning the use
21	Nickei and its compounds	7440-02-0 etc.	prolonged contact with the skin	(0.2µ
		eic.	(Discharge > 0.2µg/cm2/week)	g/cm2/week)
28	Substances which appear in Part 3 of Annex VI	_	Supplies to the general public	The
	to Regulation (EC) No 1272/2008 classified as		(As substances or in mixtures)	concentration
	carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and			limit specified in Regulation (EC)
	listed as follows:			No.
29	Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as	_		
	germ cell mutagen category 1A or 1B (Table			
20	3.1) or mutagen category 1 or 2 (Table 3.2) and Substances which appear in Part 3 of Annex VI			
30	to Regulation (EC) No 1272/2008 classified as	_		
	toxic to reproduction category 1A or 1B (Table			
	3.1) or toxic to reproduction category 1 or 2			
31	(a) Creosote, wash oil	8001-58-9	Substances or mixtures where the	Banning the use
	(b) Creosote oil	61789-28-4	substance or mixture is intended for the	
	(c) Distillates (coal tar), naphthalene oils		treatment of wood	
	(d) Creosote oil, acenaphthene fraction,	90640-84-9		
	wash oil (e) Distillates (coal tar), upper, heavy	65996-91-0		
	anthracene oil	00000 01 0		
	(f) Anthracene oil	90640-80-5		
	(g) Tar acids, coal, crude, crude phenols	65996-85-2		
	(h) Creosote, wood (i) Low temperature tar oil, alkaline, extract	8021-39-4 122384-78-5		
	residues (coal), low temperature coal	122304-76-5		
32	Chloroform	67-66-3	Surface treatment , cleaner	1000ppm
33	(Missing number)	-	·	
	1,1,2-trichloroethane	79-00-5		
	1,1,2,2-tetrachloroethane 1,1,1,2-tetrachloroethane	79-34-5 630-20-6		
	Pentachloroethane	76-01-7		
	1,1-dichloroethylene	75-35-4		
39	(Missing number)	-		D : 11
40	Substances meeting the criteria of flammability in Directive 67/548/EEC and classified as	_	Substances or mixtures in aerosol dispensers for the general public for	Banning the use
	flammable, highly flammable or extremely		entertainment and decorative purposes	
	flammable regardless of whether they appear in		entertainment and decorative purposes	
41	Part 3 of Appex VI to Regulation (FC) No. Hexachloroethane	67-72-1	substance or mixtures where the substance	Banning the use
		"	or mixture is intended for the manufacturing	3
			or processing of non-ferrous metals	
42	(Missing number)	-	Autial as interested at a same into divert and	20000
43	Azo colourants and azo dyes (may release the aromatic amines listed in	_	Articles intended to come into direct and prolonged contact with the skin	30ppm
	Appendix 8)		(textile and leather articles)	
	4-aminoazobenzene	60-09-3		
	o-anisidine;	90-04-0		
	2-methoxyaniline 2-naphthylamine	91-59-8		
	3,3'-dichlorobenzidine;	91-94-1		
	3,3'-dichlorobiphenyl-4,4'-ylenediamine			
	4-aminobiphenyl	92-67-1		
	benzidine o-toluidine;	92-87-5 95-53-4		
	2-aminotoluene			
	4-chloro-o-toluidine	95-69-2		
	4-methyl-m-phenylenediamine	95-80-7		
	o-aminoazotoluene;	97-56-3		
	4-amino-2',3-dimethylazobenzene; 4-o-tolylazo-o-toluidine			
	5-nitro-o-toluidine	99-55-8		
	2,2'-dichloro-4,4'-methylenedianiline;	101-14-4		
	4,4'-methylene bis(2-chloroaniline)	404 77 0		
	4,4'-diaminodiphenylmethane; 4,4'-methylenedianiline	101-77-9		
	4,4'-metnylenedianiline 4,4'-oxydianiline	101-80-4		
	., . ozymanimio		1	

6 REACH AnnexVXII 28/42

No.	Chemical Name	Sample CAS No.	Main use of restriction	Maximum acceptable value
	4-chloroaniline	106-47-8		value
	o-dianisidine;	119-90-4		
	3.3'-dimethoxybenzidine			
	4,4'-bi-o-toluidine;	119-93-7		
	3,3'-dimethylbenzidine p-cresidine;	120-71-8		
	6-methoxy-m-toluidine	120-71-0		
	2,4,5-trimethylaniline	137-17-7		
	4,4'-thiodianiline	139-65-1		
	4-methoxy-m-phenylenediamine	615-05-4		
44	4,4'-methylenedi-o-toluidine (Missing number)	838-88-0		
	Diphenyl ether, octabromo derivative	-	Substances, mixtures or articles	1000ppm
	(a) Nonylphenol	25154-52-3	Cleaner, etc.	1000ppm
	(b) Nonylphenol ethoxylates	_	,	
46a	Nonylphenol ethoxylates (NPE)		Textile articles	100ppm
17	Chromium VI compounds		after 2021/Feb/3	2ppm of the total
47	Chromium VI compounds		Cement	drv weight
			- Leather articles coming into contact	3ppm of the total
			with the skin	dry weight of the
			- Articles containing leather parts coming	leather
48	Toluene	108-88-3	into contact with the skin Adhesives or spray paints	1000ppm
.	Toldono	100 00 0	(for supply to the general public)	
	Trichlorobenzene	120-82-1	As substances, in mixtures	1000ppm
50	Polycyclic-aromatic hydrocarbons (PAH)	_	The production of tyres	1ppm(BaP)
	(a) Benzo(a)pyrene (BaP)	50-32-8		10ppm(the total of PAH)
	(b) Benzo(e)pyrene (BeP)	192-97-2		1ppm
	(c) Benzo(a)anthracene (BaA)	56-55-3	of their rubber or plastic components that come into direct as well as prolonged or	
	(d) Chrysene (CHR)	218-01-9	short-term repetitive contact with the human skin or the oral cavity	
	(e) Benzo(b)fluoranthene (BbFA)	205-99-2	(Apply after 27 December 2015)	
	(f) Benzo(j)fluoranthene (BjFA)	205-82-3	Toys, including activity toys, and childcare article if any of their rubber or plastic	0.5ppm
	(g) Benzo(k)fluoranthene (BkFA)	207-08-9	components that come into direct as well as prolonged or short-term repetitive contact with	
	(h) Dibenzo(a, h)anthracene (DBAhA)	53-70-3	the human skin or the oral cavity	
51	The following phthalates		Shall not be used as substances or in mixtures, individually or in any combination of the phthalates listed in this entry, in the plasticised material, in toys	1000ppm
	(a) Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	and childcare articles.  - Shall not be placed on the market in toys and	
	(b) Dibutyl phthalate (DBP)	84-74-2	childcare articles, individually or in any combination of the phthalates listed in this entry, in the plasticised	
	(c) Benzyl butyl phthalate (BBP) (d) Diisobutyl phthalate (DIBP)	85-68-7 84-69-5	material (DIBP shall not be placed on the market after 7 July 2020).  - Shall not be placed on the market after 7 July 2020	
52	The following phthalates	04-03-3	in articles, individually or in any combination of the  Toys and childcare articles	1000ppm
52	(a) Di-isononyl phthalate (DINP)	28553-12-0	10y3 and officeate afficies	ισσορριτί
		68515-48-0		
	(b) Di-isodecyl phthalate (DIDP)	26761-40-0 68515-49-1		
	(c) Di-n-octyl phthalate (DNOP)	117-84-0		
53 54	(Missing number) 2-(2-methoxyethoxy)ethanol (DEGME)	111 77 9	Painte paint etrippore cloaning agents	1000pm
	,	111-77-3	Paints, paint strippers, cleaning agents, self-shining emulsions or floor sealants	
	2-(2-butoxyethoxy)ethanol (DEGBE) Methylenediphenyl diisocyanate (MDI)	112-34-5 26447-40-5	Spray paints for supply to the general Mixtures for supply to the general public	30000ppm 1000ppm
30	including the following specific isomers	20 <del>771-40-</del> 3	inividues for supply to the defletal hanif	Тооорріп
	(a) 4,4'-Methylenediphenyl diisocyanate	101-68-8		
	(b) 2,4'-Methylenediphenyl diisocyanate	5873-54-1		
	(c) 2,2'-Methylenediphenyl diisocyanate	2536-05-2	A dib a six sa	1000n
	Cyclohexane Ammonium nitrate (AN)	110-82-7 6484-52-2	Adhesives Sbustances or in mixtures that contain	1000ppm  Banning the use
30	, annonium muate (AIV)	0-10-12-2	more than 28 % by weight of nitrogen in	_simily the use
1		I	relation to AN for use as a solid fertiliser	

6 REACH AnnexVXII 29/42

No.	Chemical Name			Maximum
		CAS No.		acceptable
			Sbustances or in mixtures that contain	value Banning the use
			more than 16 % by weight of nitrogenn in	eccept
			relation to AN	agriculture
59	Dichloromethane	75-09-2	Paint strippers	1000ppm
	Acrylamide	79-06-1	Grouting applications	1000ppm
	Dimethylfumarate (DMF)	624-49-7	Articles	0.1ppm
62	Phenylmercury compounds*	00.00.4	A **: -1	
	(a) Phenylmercury acetate	62-38-4 103-27-5	Articles Mixtures	mercury
	(b) Phenylmercury propionate (c) Phenylmercury 2-ethylhexanoate	13302-00-6		Banning the use
	(d) Phenylmercury octanoate	13864-38-5	Substances	Barring the use
	(e) Phenylmercury neodecanoate		*After 10 October 2017	
63	Lead and its compounds	7439-92-1 —	Jewelry articles Articles or accessible parts thereof may, during normal or reasonably foreseeable conditions of use, be placed in the mouth by children. Articles produced from polymers or copolymers of vinyl chloride ('PVC'), if the concentration of lead is equal to or greater - Substance or	500ppm  1000ppm  Bannning the use
64	1,4-dichlorobenzene	106-46-7	- Constituent of mixtures in a concentration equal to or greater than 1% by weight where the substance or the mixture is placed on the market for use or used as an air freshener or deodoriser in toilets, homes, offices or other indeer public areas.	or placing on the marke
64	Inorganic ammmonium salts	-	Insulation articles After 14 July 2018	Specification CEN/TS 16516 the emission of ammonia from those mixture or articles results in a concentration of less than 3 ppm by
65	Inorganic ammonium salts		Cellulose insulation mixtures or cellulose insulation articles After 14 July 2018	Technical Specification CEN/TS 16516 the emission of ammoniafrom those mixtures orarticles results in
66	Bisphenol A	80-05-7	thermal paper	200ppm
67	Bis(pentabromophenyl)ether (decabromodiphenyl ether; decaBDE)	1163-19-5	After 2 January 2020 Substance Another substance, as a constituent Mixture Article, or any part	Bannning themanufactured orplacing on the market
68	Perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain (C9-C14 PFCAs), their salts and C9-C14 PFCA-related substances	375-95-1 335-76-2 2058-94-8 307-55-1 72629-94-8 376-06-7	After 2 March 2019 Substance, mixtures and article After 25 February 2023	Bannning the use or placing on the market  Sum of C9-C14 PFCAs, their salts: <25ppb Sum of C9-C14 PFCA-related substances: <260ppb
69	Methanol	67-56-1	Shall not be placed on the market to the general public after 9 May 2018 in windscreen washing or defrosting fluids, in a concentration equal to or greater than 0,6 % by weight.'	COMMISSION REGULATION (EU) 2018/589

6 REACH AnnexVXII 30/42

No.	Chemical Name	Sample CAS No.	Main use of restriction	Maximum acceptable
70	Octamethylcyclotetrasiloxane (D4) Decamethylcyclopentasiloxane (D5)	556-67-2 541-02-6		value COMMISSION REGULATION (EU) 2018/35
71	1-methyl-2-pyrrolidone (NMP)	872-50-4	1. Shall not be placed on the market as a substance on its own or in mixtures in a concentration equal to or greater than 0,3 % after 9 May 2020 unless manufacturers, importers and downstream users have included in the relevant chemical safety reports and safety data sheets, Derived No-Effect Levels (DNELs) relating to exposure of workers of 14,4 mg/m3 for exposure by inhalation and 4,8 mg/kg/day for dermal exposure.  2. Shall not be manufactured, or used, as a substance on its own or in mixtures in a concentration equal to or greater than 0,3 % after 9 May 2020 unless manufacturers and downstream users take the appropriate risk management measures and provide the appropriate operational conditions to ensure that exposure of workers is below the DNELs specified in paragraph 1.  3. By way of derogation from paragraphs 1 and 2, the obligations laid down therein shall apply from 9 May	COMMISSION REGULATION (EU) 2018/588
72	The substances listed in column 1 of the Table in Appendix 12		Clothing or related accessories; Textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing; Footwear if the clothing, related accessory, textile other than clothing or footwear is for use by consumers and the substance is present in a concentration, measured in homogeneous material, equal to or greater than that specified for that substance in Appendix 12.	Banning the placing on the market
73	3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol Any of its mono-, di- or tri-O- (alkyl) derivatives (TDFAs)	-	Mixtures containing organic solvents, in spray products. After 2 January 2021	Banning the placing on the market Concentration equal to or greater than 2 ppb by weight of either substance or any
74	Diisocyanates, O = C=N-R-N = C=O, with R an aliphatic or aromatic hydrocarbon unit of unspecified length		Substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022 (Except the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: "As from 24 August 2023 adequate training is required before industrial or professional use".) after 24 August 2023 (Except the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).)	Banning the placing on the market Concentration of disocyanates individually and in combination equal to or greater than 0,1 % by weight Banning the use Concentration of disocyanates individually and in combination equal to or greater than 0,1 % by weight
75	Substances falling within one or more of the following points: (1) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008: a) carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, but excluding any such substances classified due to effects only following exposure by inhalation b) reproductive toxicant category 1A, 1B or 2 but excluding any such substances classified due to effects only following exposure by inhalation c) skin sensitiser category 1, 1A or 1B d) skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2 e) serious eye damage category 1 or eye irritant category 2 c) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council (3) substances listed in Annex IV to Regulation (EC) No 1223/2009 for which a condition is specified in at least one		after 4 January 2022	Banning the placing on the market and the use Concentration of mixture equal to or greater than: (1) a) 0.00005wt% b) 0.001wt% c) 0.001% d) e) 0.1wt% for pH regulator 0.01wt% for the others (2) 0.00005wt% (3) (4) see (EU)

6 REACH AnnexVXII 31/42

No.	Chemical Name	Sample CAS No.	Main use of restriction	Maximum acceptable value
76	N,N-dimethylformamide (DMF)	68-12-2	substances, or in mixtures after 12 December 2023	Banning the placing on the market and the use 0.3%

<sup>\*</sup>Add a postscript to be plain though it was non-mention in the original

7\_REACH\_SVHC 32/42

#### Appendix 7:

#### REACH-Annex XIV Authorisation and Candidate (SVHC) List

Note: Refer the URL below for detail. Attn: SVHC will be updated about every 6 months.

SVHC Candidate List  $\rightarrow$  http://echa.europa.eu/chem\_data/authorisation\_process/candidate\_list\_table\_en.asp
Annex XIV authorisation List  $\rightarrow$  http://echa.europa.eu/web/guest/addressing-chemicals-of-concern/authorisation/
recommendation-for-inclusion-in-the-authorisation-list/authorisation-list

Abbreviation or Subject to the Sample List No. **Chemical Name** Chemical EC No. authorization CAS No. (Sunset date) 1 Anthracene C<sub>14</sub>H<sub>10</sub> 120-12-7 204-371-1 2 4,4'-Diaminodiphenylmethane 101-77-9 202-974-4 C<sub>13</sub>H<sub>14</sub>N<sub>2</sub> ('14/8)4,4'-Methylenedianiline MDA 84-74-2 201-557-4 3 Dibutylphthalate (DBP)  $C_{16}H_{22}O_4$ ('15/2) DBP 4 Cobalt Dichloride CoCl<sub>2</sub> 7646-79-9 231-589-4 5 Diarsenic pentaoxide  $As_2O_5$ 1303-28-2 215-116-9 ('15/5)6 Diarsenic Trioxide 1327-53-3 215-481-4  $As_2O_3$ ('15/5)7 Sodium dichromate, dihydrate Cr<sub>2</sub>Na<sub>2</sub>O<sub>7</sub>-2H<sub>2</sub>O 7789-12-0 234-190-3 ('17/9)10588-01-9 Cr<sub>2</sub>H<sub>4</sub>Na<sub>2</sub>O<sub>9</sub> 8 5-tert-Butyl-2,4,6-trinitro-m-xylene (Musk xylene) C<sub>12</sub>H<sub>15</sub>N<sub>3</sub>O<sub>6</sub> 81-15-2 201-329-4 ('14/8)Musk xylene 9 Bis(2-ethylhexyl)phthalate 117-81-7 204-211-0 C<sub>24</sub>H<sub>38</sub>O<sub>4</sub> 1st Phthalic acid bis(2-ethylhexyl) ('15/2)**DEHP** Dioctyl phthalate DOP 134237-50-6 10 Hexabromocyclododecane and all major C<sub>12</sub>H<sub>18</sub>Br<sub>6</sub> 247-148-4 diastereisomers identified (α-HBCDD, β-HBCDD, γ 134237-51-7 221-695-9 ('15/8) HBCDD 134237-52-8 -HBCDD) (α-HBCDD, β-25637-99-4 HBCDD, γ-HBCDD) 3194-55-6 11 Alkanes, C10-13, chloro SCCPs 85535-84-8 287-476-5 **Short Chain Chlorinated Paraffins** 12 Bis(tributyltin)oxide (TBTO) C<sub>24</sub>H<sub>54</sub>OSn<sub>2</sub> 56-35-9 200-268-0 ТВТО 13 Lead hydrogen arsenate AsHO₄Pb 7784-40-9 232-064-2 14 Benzyl butyl phthalate (BBP) 85-68-7 201-622-7 C<sub>19</sub>H<sub>20</sub>O<sub>4</sub> ('15/2)BBP 15606-95-8 427-700-2 15 Triethyl arsenate C<sub>6</sub>H<sub>15</sub>AsO<sub>4</sub> 16 2,4-Dinitrotoluene C<sub>7</sub>H<sub>6</sub>N<sub>2</sub>O<sub>4</sub> 121-14-2 204-450-0 ('15/8)2.4-DNT 79-06-1 201-173-7 17 Acrylamide C<sub>3</sub>H<sub>5</sub>NO 18 Anthracene oil 90640-80-5 292-602-7 ('20/10)91995-17-4 295-278-5 19 Anthracene oil, anthracene paste, distn. Lights 295-275-9 91995-15-2 20 Anthracene oil, anthracene paste, anthracene 90640-82-7 21 Anthracene oil, anthracene-low 292-604-8 22 Anthracene oil, anthracene paste 90640-81-6 292-603-2 23 Diisobutyl phthalate C<sub>16</sub>H<sub>22</sub>O<sub>4</sub> 84-69-5 201-553-2 ('15/2)**DIBP** CrO₄Pb 24 Lead chromate 7758-97-6 231-846-0 2nd ('15/5)25 Lead chromate molybdate sulfate red C.I. Pigment 12656-85-8 235-759-9 ('15/5)Molybdate Red **Red 104** (C.I. Pigment Red 104) 26 Lead sulfochromate yellow C.I. Pigment 1344-37-2 215-693-7 ('15/5) Chrome yellow Yellow 34 (C.I. Pigment Yellow 34) 27 Tris(2-chloroethyl)phosphate C<sub>6</sub>H<sub>12</sub>Cl<sub>3</sub>O<sub>4</sub>P 115-96-8 204-118-5 ('15/8)**TCEP** 65996-93-2 266-028-2 28 Coal tar pitch, high temperature ('20/10) C<sub>2</sub>HCl<sub>3</sub> 79-01-6 201-167-4 29 Trichloroethylene ('16/4)TCE 30 Boric acid BH<sub>3</sub>O<sub>3</sub> 10043-35-3 233-139-2 11113-50-1 234-343-4 12179-04-3 215-540-4 31 Disodium tetraborate, anhydrous B<sub>4</sub>Na<sub>2</sub>O<sub>7</sub> 1303-96-4 1330-43-4 32 Tetraboron disodium heptaoxide, hydrate B<sub>4</sub>Na<sub>2</sub>O<sub>7</sub>, xH2O 12267-73-1 235-541-3 3rd

7\_REACH\_SVHC 33/42

			Abbreviation or	Comple		Subject to the
List	No.	Chemical Name	Chemical	Sample CAS No.	EC No.	authorization
ora	22	Sodium chromate	formula CrNa <sub>2</sub> O <sub>4</sub>	7775-11-3	231-889-5	(Sunset date)
	33	Sodium chromate	CINa <sub>2</sub> O <sub>4</sub>	1115-11-3	231-009-5	('17/9)
	34	Potassium chromate	CrK <sub>2</sub> O <sub>4</sub>	7789-00-6	232-140-5	( 1175)
			01204			('17/9)
	35	Ammonium dichromate	Cr <sub>2</sub> H <sub>8</sub> N <sub>2</sub> O <sub>7</sub>	7789-09-5	232-143-1	•
						('17/9)
	36	Potassium dichromate	Cr <sub>2</sub> K <sub>2</sub> O <sub>7</sub>	7778-50-9	231-906-6	(14.7/0)
	27	Cabalt/II) aulabata	CoO <sub>4</sub> S	10124-43-3	233-334-2	('17/9)
		Cobalt(II) sulphate Cobalt(II) dinitrate	CON <sub>2</sub> O <sub>6</sub>	10124-43-3	233-334-2	
		Cobalt(II) carbonate		513-79-1	208-169-4	
		Cobalt(II) diacetate	C <sub>4</sub> H <sub>6</sub> CoO <sub>4</sub>	71-48-7	200-755-8	
		2-Methoxyethanol	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	109-86-4	203-713-7	
	7.	Ethylene glycol monomethyl ether	031 1802	100 00 4	200 / 10 /	
4th	42	2-Ethoxyethanol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	110-80-5	203-804-1	
701		Ethylene glycol monoethyl ether				
	43	Chromium trioxide	CrO <sub>3</sub>	1333-82-0	215-607-8	(117.6)
		Chromic anhydride	0.11.0			('17/9)
	44	Acids generated from chromium trioxide and their oligomers:	CrH <sub>2</sub> O <sub>4</sub>	13530-68-2	231-801-5	(117/0)
		-Chromic acid	Cr <sub>2</sub> H <sub>2</sub> O <sub>7</sub>	7738-94-5	236-881-5	('17/9)
		-Dichromic acid				
	4	Cobalt dicholride	Cl <sub>2</sub> Co	7646-79-9	231-589-4	
		2-Ethoxyethyl acetate	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	111-15-9	203-839-2	
		Ethylene glycol monoethyl ether acetate	12 - 3			
	46	Strontium chromate	CrO <sub>4</sub> Sr	7789-06-2	232-142-6	•
		(C.I.Pigment yellow 32)				('19/1)
	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched	DHNUP	68515-42-4	271-084-6	(100 (7)
5th		and linear alkyl esters				('20/7)
ວແາ	40	Di(heptyl, nonyl, undecyl) phthalate (DHNUP)	H <sub>4</sub> N <sub>2</sub>	302-01-2	206-114-9	
	40	Hydrazine	$\Pi_4$ N <sub>2</sub>	7803-57-8	206-114-9	
	49	1-Methyl-2-pyrrolidone	C <sub>5</sub> H <sub>9</sub> NO	872-50-4	212-828-1	
		1,2,3-Trichloropropane	C <sub>3</sub> H <sub>5</sub> Cl <sub>3</sub>	96-18-4	202-486-1	
		1,2-Benzenedicarboxylic acid, di-C6-8-branched	DIHP	71888-89-6	276-158-1	•
		alkyl esters, C7-rich				('20/7)
		Diisoheptyl phthalate (DIHP)	0 1111 0 51			
		Lead dipicrate	C <sub>12</sub> H <sub>4</sub> N <sub>6</sub> O <sub>14</sub> Pb	6477-64-1	229-335-2	
	53	Lead styphnate 2,4,6-Trinitro-1,3-phenylenedioxylead(II)	C <sub>6</sub> HN <sub>3</sub> O <sub>8</sub> Pb	15245-44-0	239-290-0	
		2,4,6-Trinitro-1,3-prienylenedioxylead(II)				
	54	Lead diazide	N <sub>6</sub> Pb	13424-46-9	236-542-1	
		Phenolphthalein	C <sub>20</sub> H <sub>14</sub> O <sub>4</sub>	77-09-8	201-004-7	
		2,2'-Dichloro-4,4'-methylenedianiline	$C_{13}H_{12}CI_2N_2$	101-14-4	202-918-9	•
		4,4'-Methylene bis(2-chlorobenzenamine)	MOCA			('17/11)
	57	N,N-Dimethylacetamide	C <sub>4</sub> H <sub>9</sub> NO	127-19-5	204-826-4	
			DMAC			
		Trilead diarsenate	As <sub>2</sub> O <sub>8</sub> Pb <sub>3</sub>	3687-31-8	222-979-5	
		Calcium arsenate	As <sub>2</sub> Ca <sub>3</sub> O <sub>8</sub>	7778-44-1	231-904-5	
	60	Arsenic acid	AsH <sub>3</sub> O <sub>4</sub>	7778-39-4	231-901-9	(!17/0)
	64	Di-/O	0.11.0	444.00.0	000 004 4	('17/8)
	61	Bis(2-methoxyethyl) ether	C <sub>6</sub> H <sub>14</sub> O <sub>3</sub>	111-96-6	203-924-4	('17/8)
	62	Diethylene glycol dimethyl ether 1,2-Dichloroethane	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	107-06-2	203-458-1	(1770)
	02	1,2 Diomoroculario	02114012	107 00-2	200-400-1	('17/11)
	63	4-(1,1,3,3-Tetramethylbutyl)phenol,	C <sub>14</sub> H <sub>22</sub> O	140-66-9	205-426-2	,
C+L		(4-tert-Octylphenol)				
6th	64	2-Methoxyaniline	C <sub>7</sub> H <sub>9</sub> NO	90-04-0	201-963-1	
	0.7	o-Anisidine	0 11 0	447.00.0	204.040.0	
	65	Bis(2-methoxyethyl) phthalate	C <sub>14</sub> H <sub>18</sub> O <sub>6</sub>	117-82-8	204-212-6	('20/7)
	66	Formaldehyde, oligomeric reaction products with	(C <sub>6</sub> H <sub>7</sub> N.CH <sub>2</sub> O)x	25214-70-4	500-036-1	(20/1)
		aniline (technical MDA)	MDA	20214 10-4	300 000-1	('17/8)
	67	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	Zr-RCF	_	(650-017-	, ,
		a length less than 6µm			00-8*)	
		(Na2O+K2O+CaO+MgO+BaO) less or equal to 18%				
					1	
	68	Aluminosilicate Refractory Ceramic Fibres (RCF)	RCF	_	(650-017-	
		a length less than 6μm (Na2O+K2O+CaO+MgO+BaO) less or equal to 18%			00-8*)	
		, , , , , , , , , , , , , , , , , , , ,				
1	<u> </u>	<u> </u>	1	1	1	

7\_REACH\_SVHC 34/42

List	No.	Chemical Name	Abbreviation or Chemical	Sample CAS No.	EC No.	Subject to the authorization (Sunset date)
	69	Pentazinc chromate octahydroxide	formula CrH <sub>8</sub> O <sub>12</sub> Zn <sub>5</sub>	49663-84-5	256-418-0	•
		(C. I. Pigment Yellow 36)				('19/1)
	70	Potassium hydroxyoctaoxodizincatedichromate Potassium zinc chromate hydroxide	Cr <sub>2</sub> HKO <sub>9</sub> Zn <sub>2</sub>	11103-86-9	234-329-8	('19/1)
	71	Dichromium tris(chromate)	Cr <sub>5</sub> O <sub>12</sub>	24613-89-6	246-356-2	(14.0/4)
	72	Chromic acid,chromium(3+)salt(3:2) 1,2-Bis(2-methoxyethoxy)ethane	C <sub>8</sub> H <sub>18</sub> O <sub>4</sub>	112-49-2	203-977-3	('19/1)
	. –	Triethylene glycol dimethyl ether [TEGDME,	TEGME			
	70	triglyme]	(triglyme)	440.74.4	000 704 0	
	/3	1,2-Dimethoxyethane Ethylene glycol dimethyl ether [EGDME]	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> EGDME	110-71-4	203-794-9	
	74	Diboron trioxide	$B_2O_3$	1303-86-2	215-125-8	
		Formamide	CH <sub>3</sub> NO	75-12-7	200-842-0	
	76	Lead(II) bis(methanesulfonate)	$C_2H_6O_6PbS_2$	17570-76-2	401-750-5	
	77	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-	C <sub>12</sub> H <sub>15</sub> N <sub>3</sub> O <sub>6</sub>	95860-12-1 2451-62-9	219-514-3	
		2,4,6(1H,3H,5H)-trione 1,3,5-Trisglycidylisocyanuric acid	TGIC			
	78	[TGIC] 1,3,5-Tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-	C <sub>12</sub> H <sub>15</sub> N <sub>3</sub> O <sub>6</sub>	59653-74-6	423-400-0	
		triazine-2,4,6-(1H,3H,5H)-trione [β-TGIC]	β-TGIC			
	79	4,4'-Bis(dimethylamino)benzophenone [Michler's ketone] Bis[4-(dimethylamino)phenyl] ketone	C <sub>17</sub> H <sub>20</sub> N <sub>2</sub> O Micheler's ketone	90-94-8	202-027-5	
7th	80	N,N,N',N'-Tetramethyl-4,4'-methylenedianiline 4,4'-Bis(dimethylamino)diphenylmethane	C <sub>17</sub> H <sub>22</sub> N <sub>2</sub> Micheler's base	101-61-1	202-959-2	
	04	[Michler's base]	0 11 N 01	540.00.0	000 050 0	
	81	[4-[4,4'-Bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1- ylidene]dimethylammonium chloride [C.I. Basic Violet 3]	C <sub>25</sub> H <sub>30</sub> N <sub>3</sub> Cl C.I. Basic Violet 3	548-62-9	208-953-6	
	82	[4-[[4-Anilino-1-naphthyl][4- (dimethylamino)phenyl]methylene]cyclohexa-2,5- dien-1-ylidene] dimethylammonium chloride	CIC <sub>33</sub> H <sub>32</sub> N <sub>3</sub> C.I. Basic Blue 26	2580-56-5	219-943-6	
	83	[C.I. Basic Blue 26] α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol	C <sub>33</sub> H <sub>33</sub> N <sub>3</sub> O C.I. Solvent	6786-83-0	229-851-8	
	84	[C.I. Solvent Blue 4] 4,4'-Bis(dimethylamino)-4"-(methylamino)trityl alcohol	Blue 4 C <sub>24</sub> H <sub>29</sub> N <sub>3</sub> O C.I. Solvent	561-41-1	209-218-2	('25/5)
		[ with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] [C.I. Solvent Violet 8] Bis(4-dimethylaminophenyl)(4- methylaminophenyl)methanol α,α-Bis[4-(dimethylamino)phenyl]-4- (methylamino)henzenemethanol	Violet 8			
	85	Bis(pentabromophenyl) ether	C <sub>12</sub> Br <sub>10</sub> O	1163-19-5	214-604-9	
	86	Decabromodiphenylether Pentacosafluorotridecanoic acid	DecaBDE C <sub>13</sub> HF <sub>25</sub> O <sub>2</sub>	72629-94-8	276-745-2	
		Perfluorotridecanoic acid				
	87	Tricosafluorododecanoic acid Perfluorododecanoic acid	C <sub>12</sub> HF <sub>23</sub> O <sub>2</sub> PFUA	307-55-1	206-203-2	
	88	Henicosafluoroundecanoic acid	C <sub>11</sub> HF <sub>21</sub> O <sub>2</sub>	2058-94-8	218-165-4	
	89	Heptacosafluorotetradecanoic acid Perfluorotetradecanoic acid	C <sub>14</sub> HF <sub>27</sub> O <sub>2</sub>	376-06-7	206-803-4	
	90	4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	(C <sub>14</sub> H <sub>22</sub> O他)	(140-66-9他)	(205-426-2 他)	('21/1)
	91	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB(*)- and well-defined substances which include any of the individual isomers or a combination thereof	C <sub>15</sub> H <sub>24</sub> O	104-40-5 (84852-15-3 他)	(284-325-5 他)	

7\_REACH\_SVHC 35/42

Ş		Chemical Name	Chemical formula	Sample CAS No.	EC No.	authorization
		Diamond 4.0 diamonda accomplished (0.0)				(Sunset date)
- 6		Diazene-1,2-dicarboxamide (C,C'-	C <sub>2</sub> H <sub>4</sub> N <sub>4</sub> O <sub>2</sub>	123-77-3	204-650-8	
(		azodi(formamide))				
	93	Cyclohexane-1,2-dicarboxylic anhydride [1]	C <sub>8</sub> H <sub>10</sub> O <sub>3</sub>	13149-00-3	201-604-9	
		cis-cyclohexane-1,2-dicarboxylic anhydride [2]	HHPA	14166-21-3	236-086-3	
		trans-cyclohexane-1,2-dicarboxylic anhydride [3]		85-42-7	238-009-9	
		[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the				
		cis- and trans-isomers [1] are covered by this entry]				
<u> </u>		(Hexahydrophthalic anhydride - HHPA)		40400.00.0	047.004.4	
		Hexahydromethylphathalic anhydride [1], Hexahydro-4-methylphathalic anhydride [2],	C <sub>9</sub> H <sub>12</sub> O <sub>3</sub>	19438-60-9 25550-51-0	247-094-1 243-072-0	
		Hexahydro-1-methylphathalic anhydride [3],		48122-14-1	256-356-4	
		Hexahydro-3-methylphathalic anhydride [4]		57110-29-9	260-566-1	
		[The individual isomers [2], [3] and [4] (including				
		their cis- and trans- stereo isomeric forms) and all				
		possible combinations of the isomers [1] are covered by this entry]				
		<u> </u>	C H O	625-45-6	210-894-6	
	_	Methoxy acetic acid  1,2-Benzenedicarboxylic acid, dipentylester,	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> C <sub>18</sub> H <sub>26</sub> O <sub>4</sub>	84777-06-0	284-032-2	•
		branched and linear				('20/7)
9	97	Diisopentylphthalate (DIPP)	C <sub>18</sub> H <sub>26</sub> O <sub>4</sub> DIPP	605-50-5	210-088-4	('20/7)
S	98	N-Pentyl-isopentylphtalate	C <sub>18</sub> H <sub>26</sub> O <sub>4</sub>	776297-69-9	-	('20/7)
Ś		1,2-Diethoxyethane	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	629-14-1	211-076-1	(20/1)
1		Ethylene glycol diethyl ether N,N-Dimethylformamide; dimethyl formamide	C <sub>3</sub> H <sub>7</sub> NO	68-12-2	200-679-5	
			DMF			
		Dibutyltin dichloride (DBT)	C <sub>8</sub> H <sub>18</sub> Cl <sub>2</sub> Sn DBT	683-18-1	211-670-0	
		Acetic acid, lead salt, basic	C <sub>2</sub> H <sub>4</sub> O <sub>3</sub> Pb	51404-69-4	257-175-3	
1		Basic lead carbonate Trilead bis(carbonate)dihydroxide	C <sub>2</sub> H <sub>2</sub> O <sub>8</sub> Pb <sub>3</sub> White lead	1319-46-6	215-290-6	
1		Lead oxide sulfate	O <sub>5</sub> Pb <sub>2</sub> S	12036-76-9	234-853-7	
L		Basic lead sulfate	-			
1		[Phthalato(2-)]dioxotrilead Dibasic lead phthalate	C <sub>8</sub> H <sub>4</sub> O <sub>6</sub> Pb <sub>3</sub>	69011-06-9	273-688-5	
8th 1		Dioxobis(stearato)trilead	C <sub>36</sub> H <sub>70</sub> O <sub>6</sub> Pb <sub>3</sub>	12578-12-0	235-702-8	
1	107	Fatty acids, C16-18, lead salts		91031-62-8	292-966-7	
1	108	Lead bis(tetrafluoroborate)	B <sub>2</sub> F <sub>8</sub> Pb	13814-96-5	237-486-0	
1		Lead cynamidate	CH <sub>2</sub> N <sub>2</sub> Pb	20837-86-9	244-073-9	
1		Lead cyanamide Lead dinitrate	N <sub>2</sub> O <sub>6</sub> Pb	10099-74-8	233-245-9	
<u> </u>		Lead oxide	OPb	1317-36-8	215-267-0	
		(Lead monoxide)				
1		Lead tetraoxide (orange lead) Lead(II,IV) oxide	O <sub>4</sub> Pb <sub>3</sub>	1314-41-6	215-235-6	
1		Lead titanium trioxide	O <sub>3</sub> PbTi	12060-00-3	235-038-9	
<u> </u>		Lead Titanium Zirconium Oxide	O <sub>2</sub> PbTiZr PZT	12626-81-2	235-727-4	
		Pentalead tetraoxide sulphate	O <sub>8</sub> Pb <sub>5</sub> S	12065-90-6	235-067-7	
1		Pyrochlore, antimony lead yellow	C.I. Pigment	8012-00-8	232-382-1	
1		(C.I. Pigment yellow 41) Silicic acid, barium salt, lead-doped	Yellow 41	68784-75-8	272-271-5	
		Silicic acid, lead salt		11120-22-2	234-363-3	
1	119	Sulfurous acid, lead salt, dibasic	H <sub>2</sub> O <sub>5</sub> Pb <sub>2</sub> S	62229-08-7	263-467-1	
1.	120	Tetraethyllead	C <sub>8</sub> H <sub>20</sub> Pb TEL	78-00-2	201-075-4	(25/5)
		Tetralead trioxide sulphate	O <sub>7</sub> Pb <sub>4</sub> S	12202-17-4	235-380-9	
		Trilead dioxide phosphonate	HO <sub>5</sub> PPb <sub>3</sub>	12141-20-7	235-252-2	
		Furan Propylene oxide;	C <sub>4</sub> H <sub>4</sub> O C <sub>3</sub> H <sub>6</sub> O	110-00-9 75-56-9	203-727-3 200-879-2	
		1,2-Epoxypropane;	O31 16O	73-30-8	200-019-2	
		Methyloxirane Diethyl sulphate	C <sub>4</sub> H <sub>10</sub> O <sub>4</sub> S	64-67-5	200-589-6	
1		• 1	DES			

7\_REACH\_SVHC 36/42

			Abbreviation or	Sample		Subject to the
List	No.	Chemical Name	Chemical	CAS No.	EC No.	authorization
	126	Dimethyl sulphate	C <sub>2</sub> H <sub>6</sub> O <sub>4</sub> S	77-78-1	201-058-1	(Sunset date)
		3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	C <sub>11</sub> H <sub>23</sub> NO	143860-04-2	421-150-7	
	128	Dinoseb	CHNO	88-85-7	201-861-7	
	120	6-sec-Butyl-2,4-dinitrophenol	$C_{10}H_{12}N_2O_5$ DNSBP	00-03-7	201-001-7	
	129	4,4'-Methylenedi-o-toluidine	C <sub>15</sub> H <sub>18</sub> N <sub>2</sub>	838-88-0	212-658-8	
	120	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	MBOT	101.00.1	000 077 0	
	130	4,4'-Oxydianiline and its salts 4,4'-Diaminodiphenyl ether	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O DADPE	101-80-4	202-977-0	
	131	4-Aminoazobenzene;	C <sub>12</sub> H <sub>11</sub> N <sub>3</sub>	60-09-3	200-453-6	
		4-Phenylazoaniline				
	132	4-Methyl-m-phenylenediamine	$C_7H_{10}N_2$	95-80-7	202-453-1	
	133	2,4-Toluenediamine 6-Methoxy-m-toluidine	C <sub>8</sub> H <sub>11</sub> NO	120-71-8	204-419-1	
		2-Methoxy-5-methylaniline	0.111.10			
	124	p-Cresidine	0 11 11	00.07.4	000 477 4	
	134	4-Aminobiphenyl Xenylamine	C <sub>12</sub> H <sub>11</sub> N 4-ABP	92-67-1	202-177-1	
		Biphenvl-4-vlamine				
	135	o-Aminoazotoluene	C <sub>14</sub> H <sub>15</sub> N <sub>3</sub>	97-56-3	202-591-2	
		4-Amino-2',3-dimethylazobenzene 4-o-Tolylazo-o-toluidine				
	136	o-Toluidine;	C <sub>7</sub> H <sub>9</sub> N	95-53-4	202-429-0	
		2-Aminotoluene				
		N-Methylacetamide	C <sub>3</sub> H <sub>7</sub> NO	79-16-3	201-182-6	
	138	1-Bromopropane;	C <sub>3</sub> H <sub>7</sub> Br	106-94-5	203-445-0	<b>(20/7)</b>
	139	n-Propyl bromide  Cadmium	Cd	7440-43-9	231-152-8	(20/1)
		Cadmium oxide	CdO	1306-19-0	215-146-2	
	141	Dipentyl phthalate (DPP)	C <sub>18</sub> H <sub>26</sub> O <sub>4</sub>	131-18-0	205-017-9	<b>●</b> (20/7)
	142	4-Nonylphenol, branched and linear, ethoxylated	(C <sub>2</sub> H <sub>4</sub> O)nC <sub>15</sub> H <sub>24</sub>	-	-	(20/ //
9th		[substances with a linear and/or branched alkyl	O , with n≥1			(21/1)
0		chain with a carbon number of 9 covalently bound				
		in position 4 to phenol, ethoxylated covering				
		UVCB- and well-defined substances, polymers and homologues, which include any of the individual				
		isomore and/or combinations thorough				
		Ammonium pentadecafluorooctanoate (APFO)	C <sub>8</sub> H <sub>4</sub> F <sub>15</sub> NO <sub>2</sub>	3825-26-1	223-320-4	
		Pentadecafluorooctanoic acid (PFOA)  Cadmium sulphide	C <sub>8</sub> HF <sub>15</sub> O <sub>2</sub>	335-67-1 1306-23-6	206-397-9 215-147-8	
		Dihexyl phthalate (DnHP)	C <sub>20</sub> H <sub>30</sub> O <sub>4</sub>	84-75-3	201-559-5	•
		, ,		01700	201 000 0	(23/2)
	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-		573-58-0	209-358-4	
		diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	Na			
	148	Disodium 4-amino-3-[[4'-[(2,4-	C <sub>34</sub> H <sub>25</sub> N <sub>9</sub> Na <sub>2</sub> O <sub>7</sub>	1937-37-7	217-710-3	
10th		diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-	S <sub>2</sub>			
		hydroxy-6-(phenylazo)naphthalene-2,7-				
	149	disulphonate (C.I. Direct Black 38) Imidazolidine-2-thione; 2-imidazoline-2-thiol	C <sub>3</sub> H <sub>6</sub> N <sub>2</sub> S	96-45-7	202-506-9	
			0 0 2			
		Lead di(acetate)	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Pb	301-04-2	206-104-4	
	151	Trixylyl phosphate	C <sub>24</sub> H <sub>27</sub> O <sub>4</sub> P	25155-23-1	246-677-8	(00/5)
	152	1,2-Benzenedicarboxylic acid,	C <sub>20</sub> H <sub>30</sub> O <sub>4</sub>	68515-50-4	271-093-5	(23/5)
		dihexvl ester, branched and linear (DIHP)				
	153	Cadmium chloride	CdCl <sub>2</sub>	10108-64-2	233-296-7	•
11th	154	Sodium perborate	BH <sub>3</sub> O <sub>4</sub> .Na	15120-21-5	239-172-9	(23/2)
		Perboric acid, sodium salt	etc.	11138-47-9	234-390-0	(23/5)
	155	Sodium peroxometaborate	BO <sub>3</sub> .Na	7632-04-4	231-556-4	•
	150	2 (011 hamatriana) 2 : 1) 4 2 : 1: 1	0 11 11 0	05070.55.4	0.47.00.4.0	(23/5)
	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	C <sub>22</sub> H <sub>29</sub> N <sub>3</sub> O	25973-55-1	247-384-8	(22/44)
	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol	C <sub>20</sub> H <sub>25</sub> N <sub>3</sub> O	3846-71-7	223-346-6	(23/11) •
		(UV-320)				(23/11)
	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-	C <sub>36</sub> H <sub>72</sub> O <sub>4</sub> S <sub>2</sub> Sn	15571-58-1	239-622-4	•
	150	dithia-4-stannatetradecanoate (DOTE)  Cadmium fluoride	CdF <sub>2</sub>	7790-79-6	232-222-0	(25/5)
	,03	Oddinium nuonue	Jour 2	11130-13-0	LUL-LLL-U	

7\_REACH\_SVHC 37/42

			Abbreviation or	Sample		Subject to the
List	No.	Chemical Name	Chemical formula	CAS No.	EC No.	authorization (Sunset date)
	160	Cadmium sulphate	Cd.H <sub>2</sub> O <sub>4</sub> S	10124-36-4 31119-53-6	233-331-6	(Sunset date)
12th		Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	$C_{36}H_{72}O_4S_2Sn$ $C_{38}H_{74}O_6S_3Sn$	-	-	(25/5)
		(*)As the identification and naming of substances by ECHA, "Reaction mass" means the multi-				
		1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	-	68515-51-5 68648-93-1	271-094-0 272-013-1	(23/2)
13th		5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	C <sub>17</sub> H <sub>30</sub> O <sub>2</sub>	-	-	(23/8)
	164	1,3-propanesultone	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> S	1120-71-4	214-317-9	
	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	C <sub>20</sub> H <sub>24</sub> CIN <sub>3</sub> O	3864-99-1	223-383-8	•
14th		(UV-327) 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	C <sub>20</sub> H <sub>25</sub> N <sub>3O</sub>	36437-37-3	253-037-1	(23/11) • (23/11)
	167	Nitrobenzene	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	98-95-3	202-716-0	
	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	C <sub>9</sub> HF <sub>17</sub> O <sub>2</sub>	375-95-1 21049-39-8 4149-60-4	206-801-3	
15th		Benzo[def]chrysene (Benzo[a]pyrene)	C <sub>20</sub> H <sub>12</sub>	50-32-8	200-028-5	
16th	171	4,4'-isopropylidenediphenol 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual	C <sub>15</sub> H <sub>16</sub> O <sub>2</sub>	80-05-7	-	
	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	C <sub>10</sub> H <sub>4</sub> F <sub>19</sub> NO <sub>2</sub> C <sub>10</sub> HF <sub>19</sub> NO <sub>2</sub>	3108-42-7 335-76-2 3830-45-3	221-470-5 206-400-3	
	173	p-(1,1-dimethylpropyl)phenol	C <sub>10</sub> F <sub>19</sub> NaO <sub>2</sub> C <sub>11</sub> H <sub>16</sub> O	80-46-6	201-280-9	
17th		Perfluorohexane-1-sulphonic acid and its salts	C <sub>6</sub> HF <sub>13</sub> O <sub>3</sub> S	355-46-4	206-587-1	
1741	175	1,6,7,8,9,14,15,16,17,17,18,18Dodecachloropenta cyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"TM) [covering any of its	-	_	_	
		individual anti- and syn-isomers or any combination. Benz[a]anthracene	C <sub>18</sub> H <sub>12</sub>	56-55-3	200-280-6	
	177	Cadmium nitrate	Cd(NO <sub>3</sub> ) <sub>2</sub>	1718-53-2 10325-94-7 10022-68-1	233-710-6	
18th	178	Cadmium carbonate	CCdO <sub>3</sub>	513-78-0	208-168-9	
		Cadmium hydroxide (Cd(OH)2)	Cd(OH) <sub>2</sub>	21041-95-2	244-168-5	
		Chrysene	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	218-01-9 1719-03-5	205-923-4	
		Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	_	_	_	● (25/5)
		Octamethylcyclotetrasiloxane (D4)	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	556-67-2	209-136-7	
		Decamethylcyclopentasiloxane (D5)	C <sub>10</sub> H <sub>30</sub> O <sub>5</sub> Si <sub>5</sub>	541-02-6	208-764-9	
		Dodecamethylcyclohexasiloxane (D6)	C <sub>12</sub> H <sub>36</sub> O <sub>6</sub> Si <sub>6</sub>	540-97-6	208-762-8	
		Lead Disodium octaborate	Pb B <sub>8</sub> H <sub>8</sub> Na <sub>2</sub> O <sub>17</sub>	7439-92-1 12008-41-2	231-100-4 234-541-0	
19th		Benzo[ghi]perylene	C <sub>22</sub> H <sub>12</sub>	191-24-2	205-883-8	
		Terphenyl, hydrogenated	C <sub>18</sub> H <sub>22</sub>	61788-32-7	262-967-7	
		Ethylenediamine (EDA)	C <sub>2</sub> H <sub>8</sub> N <sub>2</sub>	107-15-3	203-468-6	
		Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	C <sub>9</sub> H <sub>4</sub> O <sub>5</sub>	552-30-7	209-008-0	
		(Trimellitic Anhydride (TMA))				

			Abbreviation or	Sample		Subject to the
List	No.	Chemical Name	Chemical	Sample CAS No.	EC No.	authorization
	191	dicyclohexyl phtahlates (DCHP)	formula C <sub>20</sub> H <sub>26</sub> O <sub>4</sub>	84-61-7	201-545-9	(Sunset date)
		1,7,7-trimethyl-3-	C <sub>17</sub> H <sub>20</sub> O	15087-24-8	239-139-9	
		(phenylmethylene)bicyclo[2.2.1]heptan-2-one	01/11/200	13007-24-0	200-100-0	
	193	2,2-bis(4'-hydroxyphenyl)-4-	C <sub>18</sub> H <sub>22</sub> O <sub>2</sub>	6807-17-6	401-720-1	
		methylpentane				
20th		Benzo[k]fluoranthene	C <sub>20</sub> H <sub>12</sub>	207-08-9	205-916-6	
	195	Fluoranthene	C <sub>16</sub> H <sub>10</sub>	206-44-0 93951-69-0	205-912-4	
	196	Phenanthrene	C <sub>14</sub> H <sub>10</sub>	85-01-8	201-581-5	
		Pyrene	C <sub>16</sub> H <sub>10</sub>	129-00-0	204-927-3	
		. ,1.5.1.6	- 1010	1718-52-1		
	198	Tris(4-nonylphenyl, branched and linear) phosphite	-	-	-	
_		(TNPP) with ≥ 0.1% w/w of 4-nonylphenol,				
21th	199	branched and linear (4-NP) 4-tert-butylphenol	C <sub>10</sub> H <sub>14</sub> O	98-54-4	202-679-0	
N		2-methoxyethyl acetate	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	110-49-6	203-772-9	
		4-tert-butylphenol	-	-	-	
		Diisohexyl phthalate	C23H30N2O2	71850-09-4	276-090-2	
ъ	203	2-benzyl-2-dimethylamino-4'-	C15H21NO2S	119313-12-1	404-360-3	
22nd	204	2-methyl-1-(4-methylthiophenyl)-2-	C20H30O4	71868-10-5	400-600-6	
	205	morpholinopropan-1-one			_	
		Perfluorobutane sulfonic acid (PFBS) and its salts 1-vinylimidazole	C5H6N2	1072-63-5	214-012-0	
_		2-methylimidazole	C4H6N2	693-98-1	211-765-7	
23rd		Dibutylbis(pentane-2,4-dionato-O,O')tin	C18H32O4Sn	22673-19-4	245-152-0	
~	209	Butyl 4-hydroxybenzoate	C11H14O3	94-26-8	202-318-7	
	040	(Butylparaben)	0.401.100.05	440.04.0	005 504 7	
		Bis(2-(2-methoxyethoxy)ethyl)ether Dioctyltin dilaurate, stannane, dioctyl-, bis(coco	C10H22O5	143-24-8	205-594-7	
24th	211	acyloxy) derivs., and any other stannane, dioctyl-,	-	-	-	
57		bis(fatty acyloxy) derivs. wherein C12 is the				
		predominant carbon number of the fatty acyloxy				
	212	1,4-dioxane	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	123-91-1	204-661-8	
	213	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-	-	-	-	
		dimethylpropan-1-ol, tribromo derivative/3-bromo-				
		2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-				
	214	dibromo-1-propanol (2.3-DBPA) 2-(4-tert-butylbenzyl)propionaldehyde and its	_	_	_	
		individual stereoisomers				
	215	4,4'-(1-methylpropylidene)bisphenol	C <sub>16</sub> H <sub>18</sub> O <sub>2</sub>	77-40-7	201-025-1	
25th	216	glutaral	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>	111-30-8	203-856-5	
2001		Medium-chain chlorinated paraffins (MCCP)	-	_	_	
		[UVCB substances consisting of more than or				
		equal to 80% linear chloroalkanes with carbon				
	240	chain lengths within the range from C14 to C171				
		orthoboric acid, sodium salt Phenol, alkylation products (mainly in para	_	_	_	
		position) with C12-rich branched alkyl chains from				
		oligomerisation, covering any individual isomers				
		and/ or combinations thereof (PDDP)				
		6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	_	119-47-1	204-327-1	
		tris(2-methoxyethoxy)vinylsilane (±)-1,7,7-trimethyl-3-[(4-	_ _	1067-53-4	213-934-0	
		methylphenyl)methylene]bicyclo[2.2.1]heptan-2-				
26th		one covering any of the individual isomers and/or				
		combinations thereof (4-MBC)				
	223	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-	_	255881-94-8	401-850-9	
		(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl				
27th	224	or isobutvl or 2-ethvlhexvl) phosphorodithioate N-(hydroxymethyl)acrylamide	_	924-42-5	213-103-2	
		1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	C4H8O2	37853-59-1	253-692-3	
Ī		2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	C15H12Br4O2	79-94-7	201-236-9	
	227	[Tetrabromobisphenol A] 4,4'-sulphonyldiphenol	TBBPA	80-09-1	201-250-5	
	221	4,4 -sulphonyldiphenol [bisphenol S]	C12H10O4S BPS	00-09-1	201-200-0	
	228	Barium diboron tetraoxide	B2BaO4	13701-59-2	237-222-4	
28th		Bis(2-ethylhexyl) tetrabromophthalate covering any of the	TBPH	_	-	
2	230	individual isomers and/or combinations thereof Isobutyl 4-hydroxybenzoate	_	4247-02-3	224-208-8	
		Melamine	C3H6N6	108-78-1	203-615-4	
	232	Perfluoroheptanoic acid and its salts	PFHpA	_	-	
	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-			473-390-7	<u></u>
		heptafluoropropan=2-yl)morpholine and 2,2,3,3,5,5,6,6- octafluoro=4-(heptafluoropropyl)morpholine				
ج	234	Diphenyl(2,4,6-	C22H21O2P	75980-60-8	278-355-8	
9th		trimethylbenzoyl)phosphine oxide				

7\_REACH\_SVHC 39/42

List	No.	Chemical Name	Abbreviation or Chemical formula	Sample CAS No.	EC No.	Subject to the authorization (Sunset date)
2	235	Bis(4-chlorophenyl) sulphone	C12H8Cl2O2S	80-07-9	201-247-9	

\* The date in the ( ) is the sunset date.

The deadline of application for authorisation is 18 months before

\*UVCB

Substances of Unknown or Variable composition, Complex reaction products or Biological materials

### Appendix 8. List of aromatic amines

		1640 2021.11.01
No.	Substance Name	CAS No
1	4-Aminoazobenzene	60-09-3
1	4-Phenylazoaniline	00-09-3
0	2-Methoxyaniline	00 04 0
2	o-Anisidine	90-04-0
3	2-Naphthylamine	91-59-8
	3,3'-Dichlorobenzidine	
4	3,3'-Dichlorobiphenyl-4,4'-diamine	91-94-1
	4-Aminobiphenyl	
5	Xenylamine	92-67-1
	Biphenyl-4-ylamine	32 07 T
	Benzidine	
6		92-87-5
6	4,4'-Biphenyldiamine	92-07-0
	4,4'-Diaminobiphenyl	
7	o-Toluidine	95-53-4
	2-Aminotoluene	05 00 0 [4]
8	4-Chloro-o-toluidine	95-69-2 [1]
		3165-93-3 [2]
9	4-Methyl-m-phenylenediamine	95-80-7
	2,4-Toluenediamine	
	o-Aminoazotoluene	
10	4-Amino-2',3-dimethylazobenzene	97-56-3
	4-o-Tolylazo-o-toluidine	
11	5-Nitro-o-toluidone	99-55-8 [1]
11	2-Amino-4-nitrotoluene	51085-52-0 [2]
10	2,2'-Dichloro-4,4'-methylene-dianiline	101-14-4
12	4,4'-Methylene-bis-(2-chloro-aniline)	
4.0	4,4'-Diaminodiphenylmethane	101 77 0
13	4,4'-Methylenedianiline	101-77-9
	4,4'-Oxydianiline	
14	4,4'-Diaminodiphenylether	101-80-4
	4-Chloroaniline	
15	p-Chloroaniline	106-47-8
	3,3'-Dimethoxybenzidine	
16	o-Dianisidine	119-90-4
	4.4'-Bi-o-toluidine	
17	3,3'-Dimethylbenzidine	119-93-7
	6-Methoxy-m-toluidine	
18	I =	120-71-8
10	2-Methoxy-5-methylaniline	120-/1-0
<u> </u>	p-Cresidine	197_17 7 [1]
19	2,4,5-Trimethylaniline	137-17-7 [1]
	-	21436-97-5 [2]
20	4,4'-Thiodianiline	139-65-1
<u> </u>	4,4'-Diaminodiphenyl sulfide	045 05 4543
21	2,4-Diaminoanisole	615-05-4 [1]
	4-Methoxy-m-phenylenediamine	39156-41-7 [2]
22	4,4'-Methylenedi-o-toluidine	838-88-0
	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	330 33 0
23	2,6-Xylidine	87-62-7
23	2,6-Dimethylaniline	01 02 1
24	2,4-Xylidine	95-68-1
24	2,4-Dimethylaniline	30-00-1

<sup>\*:</sup> Although these substances are not subject to the Restriction of REACH regulation in EU, they are applicable in China and South Korea.

### Appendix 9. List of Hexabromocyclododecane (HBCD or HBCDD)

No.	物質名	CAS No	
110.	게 보고 Alpha-hexabromocyclododecane;		
1	rel-(1R,2R,5S,6R,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	134237-50-6	
2	Beta-hexabromocyclododecane;	134237-51-7	
	rel-(1R,2S,5R,6R,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	104207 01 7	
٦ ع	Gamma-hexabromocyclododecane;	134237-52-8	
	rel-(1R,2R,5R,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane	104207 02 0	
	(1R,2R,5R,6S,9S,10S)-1,2,5,6,9,10-Hexabromocyclododecane	138257-17-7	
5	(1R,2R,5R,6S,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	138257-18-8	
6	(1R,2S,5S,6R,9S,10S)-1,2,5,6,9,10-Hexabromocyclododecane	138257-19-9	
7	(1R,2S,5S,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane	169102-57-2	
8	Hexabromocyclododecane	25637-99-4	
9	1,2,5,6,9,10-hexabromocyclododecane	3194-55-6	
10	rel-(1R,2S,5R,6S,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	4736-49-6	
11	rel-(1R,2S,5R,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane	65701-47-5	
12	(1R,2R,5S,6R,9R,10S)-1,2,5,6,9,10-Hexabromocyclododecane	678970-15-5	
13	(1R,2S,5R,6S,9S,10S)-1,2,5,6,9,10-Hexabromocyclododecane	678970-16-6	
14	(1R,2R,5R,6S,9S,10R)-1,2,5,6,9,10-Hexabromocyclododecane	678970-17-7	

## Appendix 10. List of Perfluorooctanoic acid (PFOA) and its salts and its esters

No.	物質名	CAS No	
1	Perfluorooctanoic acid (PFOA)	335-67-1	
2	Perfluorooctanoic acid ammonium salt	3825-26-1	
3	Perfluorooctanoic acid sodium salt	335-95-5	
4	Perfluorooctanoic acid potassium salt	2395-00-8	
5	Perfluorooctanoic acid silver salt	335-93-3	
6	Perfluorooctanoic acid fluoride	335-66-0	
7	Perfluorooctanoic acid methyl ester	376-27-2	
8	Perfluorooctanoic acid ethyl ester	3108-24-5	