Test Report (PFAS)

No.: SHAEC26027481011 **Date:** Sep 14, 2026

Client Name: Jie Jie Microelectronics (Nan Tong) Technology Co. Ltd.

Client Address: 1#Jinggangshan Road, suxitong science & Technology Industrial Park, Nantong

Sample Name: MOS

The above sample(s) and information were provided by the client.

SGS Job No.: SHP26-034211

Sample Receiving Date: Sep 07, 2026

Testing Period: Sep 07, 2026 ~ Sep 14, 2026

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

725 Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Sue Sheng

Approved Signatory

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Test Sample:

Test Part Description

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA26-0274810-0001.C001	Colorful solid

725 Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content

Test Method:
Modified EN 17681-1:2025, analysis was performed by LC-MS or LC-MS/MS and GC-MS or GC-MS/MS.

Test Results: (Substances in the PFAS list)

Substance Name	CAS No.	A1 Concentration (mg/kg)	MDL (mg/kg)
All tested PFAS in list	-	ND	-

Notes:
(1) The table above only shows detected PFAS, and PFAS that below MDL are not reported. Please refer to Appendix for the full list of tested PFAS.
(2) MDL = Method Detection Limit, ND = Not detected (lower than MDL).
(3) The target PFAS is prohibited, and this test requirement is quoted from the client. If PFAS is detected, it is recommended to refer to relevant regulations to confirm the relevant requirements of PFAS.
(4) ^=Substances refer to its salts/derivative listed in Appendix.
(5) The conclusion is only applicable to the substance list in the report.
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
23		Perfluorooctanesulfonic acid diethylamine salt (PFOS-$C_4H_{11}N$)	2205029-08-7	--
24		heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3	--
25		Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7	--
26		Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9	--
27	FOSAA, its salts	Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8	0.010
28		N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6	--
29		N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4	--
30		N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5	--
31	N-MeFOSAA, its salts	N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)	2355-31-9	0.010
32		2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))	909405-48-7	--
33		Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5	--
34		Cyclo-hexachloro (N-methyl- (N-(perfluorooctylsulphonyl) glycinato-O1:O1')) dihydroxytrichromium	97298-47-0	--
35	N-EtFOSAA, its salts	N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)	2991-50-6	0.010
36		Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)	2991-51-7	--
37		2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))	909405-49-8	--
38		Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH_4)	2991-52-8	--
39		Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9	--
40		Diaquatetrachloro[mu-[N-ethyl-N-[(perfluorooctyl) sulfonyl]glycinato-O1:O1']]-mu-hydroxybis[2-methylpropanol]dichromium	68891-96-3	--
41	--	N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	0.010
42	--	N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	0.010
43	--	2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	0.010

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
44	--	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	0.010
45		Perfluorooctane Sulfonamide (PFOSA)	754-91-6	0.010
46		Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9	--
47		Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8	--
48		Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0	--
49		Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH_4		

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
71		N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-$C_{11}H_{26}N$)	927835-01-6	--
72		Pentadecafluorooctanoyl chloride (PFOA-Cl)	335-64-8	--
73		Perfluorooctanoyl Bromide (PFOA-Br)	222037-87-8	--
74		1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	0.010
75		Potassium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-K)	438237-73-1	--
76	8:2 FTS, its salts	Ammonium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-NH_4)	149724-40-3	--
77		Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-Na)	27619-96-1	--
78		2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))	481071-78-7	--
79		2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl)	27619-90-5	--
80	--	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	0.200
81	--	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	0.200
82	--	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	0.100
83	--	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	0.100
84	--	Perfluoro-1-iodooctane (PFOI)	507-63-1	0.200
85	8:2 FTCA, its salts	2H,2H-Perfluorodecane Acid (8:2 FTCA)	27854-31-5	0.010
86		Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-$P(C_4H_9)_4$)	882489-14-7	--
87	--	1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	0.100
88	--	1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI)	2043-53-0	0.100
89	--	1H,1H,2H,2H-Perfluorodecyltriethoxysilan n q 1 0 0		

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
97		2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)	67304-23-8	--
98	--	1H,1H,2H-Heptadecafluoro-1-decene (PFDE)	21652-58-4	0.200
99	--	3-Perfluoroheptyl propanoic acid (7:3 FTCA)	812-70-4	0.010
100	--	1H,1H,2H,2H-Perfluorodecyltrichlorosilane	78560-44-8	0.100
101	--	1H,1H,2H,2H-Perfluorodecyltrimethoxysilane	83048-65-1	
102	--	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	0.010
103	--	6:8 Perfluorophosphinic acid (6:8 PFPi)	610800-34-5	0.010
104		8:8 Perfluorophosphinic acid (8:8 PFPi)	40143-79-1	0.010
105	8:8 PFPi, its salts	Bis(heptadecafluorooctyl)phosphinic Acid Sodium Salt (8:8 PFPi-Na)	500776-69-2	--
106		Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5	--
107		Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6	--
108	--	1H,1H,2H,2H-perfluorodecyl acetate (8:2 FTOAc)	37858-04-1	0.100
109		8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)	57678-03-2	0.100
110		8:2 Fluorotelomer diammonium phosphate	93857-44-4	-
111		Disodium 1H,1H,2H,2H-perfluorodecylphosphate	438237-75-3	-
112	8:2 monoPAP, its salts	Ammonium bis[2-(perfluorohexyl)ethyl] phosphate	1764-95-0	-
113		3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium salt	92401-44-0	-
114		Sodium 1H,1H,2H,2H-perfluorooctylphosphate	144965-22-0	-
115		Monopotassium monoperfluorohexyl ethylphosphate	150033-28-6	-
116		Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate	2353-52-8	-
117		Perfluorononane Acid (PFNA)	375-95-1	0.010

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
154		Perfluorododecanoate (anion)	171978-95-3	--
155		Sodium perfluoro-n-dodecanoic acid (PFDoDA-Na)	307-67-5	--
156	PFTrDA, its salts	Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.010
157		Ammonium perfluorotridecanoate (PFTrDA-NH_4)	4288-72-6	--
158		Sodium perfluorotridecanoate (PFTrDA-Na)	60872-01-7	--
159		Perfluorotridecanoate (anion)	862374-87-6	--
160	PFTDA, its salts	Perfluorotetradecanoic Acid (PFTDA)	376-06-7	0.010
161		Perfluorotetradecanoate (anion)	365971-87-5	--
162	--	Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6	0.010
163	PFDS, its salts	Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.010
164		Sodium perfluorodecanesulfonate (PFDS-Na)	2806-15-7	--
165		Potassium perfluorodecanesulfonate (PFDS-K)	2806-16-8	--
166		Ammonium perfluorodecanesulfonate (PFDS-NH_4)	67906-42-7	--
167		Perfluorodecane sulfonate (anion)	126105-34-8	--
168		Perfluorodecane sulfonic anhydride (PFDSA)	51667-62-0	--
169		Perfluorodecanesulphonyl fluoride (PFDS-F)	307-51-7	--
170		Perfluorodecanesulphonyl chloride (PFDS-Cl)	32779-61-6	--
171	--	1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	0.100
172	--	1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	0.100
173	--	1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	0.100
174	--	1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	0.100
175	10:2 FTS, its salts	1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	0.100
176		1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium (10:2 FTS-Na)	108026-35-3	--
177		2-(Perfluorodecyl)ethane-1-sulfonyl chloride (10:2 FTS-Cl)	27619-91-6	--
178	--	1,1,2,2-Tetrahydroperfluorododecyl iodide (10:2 FTI)	2043-54-1	0.100
179	--	1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	0.100
180	PFNS, its salts	Perfluoro nonane sulfonic acid (PFNS)	68259-12-1	0.010
181		Sodium perfluoro-1-nonanesulfonate (PFNS-Na)	98789-57-2	--
182		ammonium nonadecafluorononanesulphonate (PFNS-NH_4)	17202-41-4	--
183		Potassium perfluorononanesulfonate (PFNS-K)	29359-39-5	--

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
184		Perfluorononane sulfonate (anion)	474511-07-4	--
185		Perfluorononanesulfonyl fluoride (PFNS-F)	68259-06-3	--
186	PFUnDS, its salts	Perfluoroundecane sulfonic acid (PFUnDS)	749786-16-1	0.010
187		Perfluoroundecanesulfonate (anion)	441296-91-9	--
188		Perfluorododecanesulfonic acid (PFDoDS)	79780-39-5	0.010
189	PFDoDS, its salts	Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)	1260224-54-1	--
190		Potassium perfluorododecanesulfonate (PFDoDS-K)	85187-17-3	--
191		Perfluorododecane sulfonate (anion)	343629-43-6	--
192	PFTrDS, its salts	Perfluorotridecane sulfonic acid (PFTrDS)	791563-89-8	0.010
193		Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)	174675-49-1	--
194	10:2 diPAP, its salts	10:2 Fluorotelomer phosphate diester (10:2 diPAP)	1895-26-7	0.100
195		Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-$C_4H_{11}O_2$)	57677-98-2	--
196	--	Perfluorodecyl iodide (PFDI)	423-62-1	0.100
197	--	Perfluorododecyl iodide (PFDoDI)	307-60-8	0.100
198	--	2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA)	70887-94-4	0.010
199	--	2-Perfluorodecyl ethanoic acid (10:2 FTCA)	53826-13-4	0.010
200	--	1H,1H,2H,2H-perfluorododecyl acetate (10:2 FTOAc)	37858-05-2	0.100
201		Perfluorohexanesulfonic acid (PFHxS)	355-46-4	0.010
202		Perfluorohexanesulfonate Na-salt (PFHxS-Na)	82382-12-5	--
203		Perfluorohexanesulfonate K-salt (PFHxS-K)	3871-99-6	--
204		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1) (PFHxS-Li)	55120-77-9	--
205		Ammonium perfluorohexane-1-sulphonate (PFHxS-NH_4)	68259-08-5	--
206		Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-BTPP)	1000597-52-3	--
207		N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate(PFHxS-N(C_4H_9)$_4$)	108427-54-9	--
208		N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate(PFHxS-N(C_2H_5)$_4$)	108427-55-0	--
209		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. Witc113f 1 0 0 -1 0 9.380000		

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
		1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (Calculated in terms of PFHxS) (PFHxS-$(NC_{10}H_{14})_3C_5H_4$)		
211		Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$(NC_8H_{10})_2C_{13}H_{12}$)	1310480-27-3	--
212		Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$(NC_8H_{10})_2C_{17}H_{12}$)	1310480-28-4	--
213		Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1) (PFHxS-$C_{42}H_{70}O_{35}$)	1329995-45-0	--
214		Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)(PFHxS-$C_{48}H_{80}O_{40}$)	1329995-69-8	--
215		Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (TPS-PFHxS)	144116-10-9	--
216		Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-$C_{44}H_{37}N_2O_2$)	1462414-59-0	--
217		Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$I(C_6H_5)_2$)	153443-35-7	--
218		Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-TMA)	189274-31-5	--
219		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.with 2-methyl-2-propanamine (1:1)(PFHxS-$NH_2(CH_3)_3$)	202189-84-2	--
220		Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-$I(C_6H_4)_2(C_4H_9)_2$)	213740-81-9	--

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222		Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_7H_7)$_2$$C_6H_5$)	341548-85-4	--
223		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)(PFHxS-Sc)	350836-93-0	--
224		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)(PFHxS-Nd)	41184-65-0	--
225		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)(PFHxS-Y)	41242-12-0	--
226		Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)(PFHxS-S_3(C_6H_5)$_4$(C_6H_4)$_2$)	421555-73-9	--
227		Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic(PFHxS-I (C_6H_4)$_2$(C_5H_{11})	421555-74-0	--
228		Perfluorohexanesulphonyl fluoride (PFHxS-F)	423-50-7	--
229		Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_6H_4)$_3$(C_4H_9)$_3$)	425670-70-8	--
230		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)	70136-72-0	--
231		Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)(PFHxS-NH(C_2H_5O)$_2$)	70225-16-0	--
232		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)(PFHxS-N(C_2H_5)$_3$)	72033-41-1	--
233		Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI) (PFHxS-I(C_6H_4)$_2$(C_4H_9)$_2$)	866621-50-3	--
234		Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C_6H_5)$_2$$C_7H_7$)	910606-39-2	--
235		Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)$_2$$C_{10}H_9O_2$)	911027-68-4	--
236		1-Hexanesulfonic acid, 9,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-Cs)	92011-17-1	--
237		Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-,	928049-42-7	--

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
		1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$SC_{28}H_{31}O_4$)		
238		Perfluorohexylsulfonyl chloride (PFHxS-Cl)	55591-23-6	--
239		Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate (PFHxS-Sulfonium, propenoate polymer)	911027-69-5	--
240		Perfluorohexane sulfonate (anion)	108427-53-8	--
241		Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P ($C_4H_9)_4$))	2310194-12-6	--
242	--	N-Methylperfluoro-1-hexanesulfonamide (N-Me-PFHxSA)	68259-15-4	0.010
243	--	Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	0.010
244	--	N-[3-(dimethylamino)propyl] tridecafluorohexanesulphonamide (N-AP-FHxSA)	50598-28-2	0.010
245	--	2-[methyl[(tridecafluorohexyl) sulphonyl]amino]ethyl acrylate)) (N-MeFHSEA)	67584-57-0	0.200
246	--	2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67584-61-6	0.200
247	--	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67906-70-1	0.200
248	--	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-(MeFHxSE)	68555-75-9	0.010
249	EtFHxSAA, its salts	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl] (EtFHxSAA)	68957-32-4	0.010
250		Potassium N-ethyl-n-[(tridecafluorohexyl)sulfonyl]glycinate (EtFHxSAA-K)	67584-53-6	--
251		Sodium N-ethyl-N-((tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA-Na)	68555-70-4	--
252	PFHxA, its salts & derivatives	Perfluorohexane Acid (PFHxA)	307-24-4	0.010
253		Ammonium perfluorohexanoate (APFHx)	21615-47-4	--
254		Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4	--
255		Potassium perfluorohexanoate (PFHxA-K)	3109-94-2	--
256		Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
283	--	thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester	26650-09-9	0.200
284	6:2 monoPAP, its salts	6:2 Fluorotelomer phosphate monoester (6:2 monoPAP)	57678-01-0	0.100
285		Diammonium 6:2 fluorotelomer phosphate monoester (6:2 monoPAP-NH_4NH_4)	1000852-37-8	-
286	--	2h,2h,3h,3h-perfluorononanoic acid (6:3 FTCA)	27854-30-4	0.100
287	--	3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-thiol (6:2 FTSH)	34451-26-8	0.200
288	--	1H,1H,2H,2H-Perfluorooctyldimethylchlorosilane (6:2 FTSiMe_2Cl)	102488-47-1	0.200
289	--	1H,1H-Tridecafluoro-1-iodoheptane (6:1 FTI)	212563-43-4	0.200
290	--	4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide (6:3 FTI)	89889-20-3	0.200
291	6:2 FTPA, its salts	Perfluorohexyl ethylphosphonic acid (6:2 FTPA)	252237-40-4	0.100
292		Tridecafluorooctyl-phosphonic acid sodium salt (1:1) (Cheminox FHP_2OH-Na(PFHXPA-Na))	1189052-95-6	--
293	--	1-hexanol, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro- (5:1 FTOH)	423-46-1	0.200
294	--	2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-ol (6:1 FTOH)	375-82-6	0.200
295	--	4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononan-1-ol (6:3 FTOH)	80806-68-4	0.200
296	--	3,3,4,4,5,5,6,6,7,7,7-undecafluoro-2-heptanol (5:2 sFTOH)	914637-05-1	0.200
297	--	1-(perfluorohexyl)octane (F_6H_8)	133331-77-8	0.200
298	--	1H,1H-Tridecafluoroheptylamine (6:1 $FTNH_2$)	423-49-4	0.200
299	--	2H-Perfluoro-2-octenoic acid (6:2 FTUCA)	70887-88-6	0.010
300	6:6 PFPi, its salts	6:6 Perfluorophosphinic acid (6:6 PFPi)	40143-77-9	0.010
301		Bis(perfluorohexyl)phosphinic acid sodium salt (6:6 PFPi-Na)	70609-44-8	--
302		Bis(perfluorohexyl) phosphinic acid ytterbium(3+) salt (6:6 PFPi-Yb)	500776-72-7	--
303		Bis(perfluorohexyl) phosphinic acid erbium(3+) salt (6:6 PFPi-Er)	500776-73-8	--
304	PFBA, its salts	Perfluorobutane Acid (PFBA)	375-22-4	0.010
305		Ammonium perfluorobutanoate (PFBA-NH_4)	10495-86-0	--
306		Sodium perfluorobutanoate (PFBA-Na)	2218-54-4	--
307		Potassium heptafluorobutanoate (PFBA-K)	2966-54-3	--
308		Silver perfluorobutanoate (PFBA-Ag)	3794-64-7	--
309		Lithium perfluorobutanoate (PFBA-Li)	4146-76-3	--
310		Heptafluorobutanoic acid-piperazine (1:1)	375-04-2	--
311		Perfluorobutanoate (anion)	45048-62-2	--

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
312		4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1) (PFBA-$C_6H_4ClF_6N_2P$)	--	--
313		Heptafluorobutanoic acid-1-phenylpiperazine (1:1) (PFBA-$C_{10}H_{14}N_2$)	2263-11-8	--
314		Perfluorobutanoic anhydride (PFBAA)	336-59-4	--
315		Heptafluorobutanoic acid calcium salt (PFBA-Ca)	2366-98-5	--
316		Rhodium(II) perfluorobutyrate dimer (PFBA-Rh)	73755-28-9	--
317		Perfluorobutyryl chloride (PFBA-Cl)	375-16-6	--
318		Perfluorobutanoyl fluoride (PFBA-F)	335-42-2	--
319		Heptafluorobutanoyl Bromide (PFBA-Br)	375-13-3	--
320		4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1)	--	--
321		N5-(5-Hydroxy-4,6-dimethylpyrimidin-2-yl)-L-ornithine- heptafluorobutanoic acid (1/2)	936233-19-1	--
322		Perfluorobutanesulfonic acid (PFBS)	375-73-5	0.010
323		Perfluorobutanesulfonate K-salt (PFBS-K)	29420-49-3	--
324		Perfluorobutanesulfonic Acid Hydrate (PFBS-H_2O)	59933-66-3	--
325		lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5	--
326		Triphenyl Sulfonium Perfluorobutane Sulfonate (TPS-PFBS)	144317-44-2	--
327		Dimethyl(phenyl)sulfanium perfluorobutanesulfonate (PFBS-$S(CH_3)_2C_6H_5$)	220133-51-7	--
328		Tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate (PFBS-$P(C_4H_9)_4$)	220689-12-3	--
329	PFBS, its salts & derivatives	N,N,N,-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate(PFBS-$N(C_2H_5)_4$)	25628-08-4	--
330		Nonafluorobutanesulfonyl fluoride (PFBS-F)	375-72-4	--
331		Morpholinium perfluorobutanesulfonate (PFBS-NC_4H_9O)	503155-89-3	--
332		Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3	--
333		Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate (PFBS-NH_4)	68259-10-9	--
334		1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate (PFBS-$SC_{18}H_{23}O$)	209482-18-8	--
335		1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl chloride (PFBS-Cl)	2991-84-6	--
336		Sodium perfluorobutanesulfonate (PFBS-Na)	60453-92-1	--
337		Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate (PFBS-$I(C_6H_4)_2(C_4H_9)_2$)		--

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
338		1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1) (PFBS-NH($C_2H_5O)_2$)	70225-18-2	--
339		Tetrabutylammonium nonafluorobutanesulfonate ((PFBS-N($C_4H_9)_4$))	108427-52-7	--
340		Diphenyliodanium nonafluorobutane-1-sulfonate((PFBS-I($C_6H_5)_2$))	194999-82-1	--
341		Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	241806-75-7	--
342		Sulfonium, (4-cyclohexylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	425670-64-0	--
343		Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	867373-18-0	--
344		Pyridinium, 1-ethyl-3-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1015420-87-7	--
345		1H-Imidazolium, 1-methyl-3-octyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	905972-83-0	--
346		1H-Imidazolium, 3-hexyl-1-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1001557-05-6	--
347		2-Propanaminium, N,N-dimethyl-N-(1-methylethyl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	374571-81-0	--
348		Sulfonium, [4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	857285-80-4	--
349		1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	124472-66-8	--
350		1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1) (PFBS-Zn)	502457-69-4	--
351		1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	56773-55-8	--
352		Perfluorobutanesulfonic acid tetramethylammonium salt (PFBS-N($CH_3)_4$)	25628-17-5	--
353		1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, 1,1'-anhydride	36913-91-4	
354		Perfluorobutane sulfonate (anion)	45187-15-3	--
355		1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate	EC: 468-770-4	--
356		Triethylammonium perfluorobutane sulfonate	182059-38-7	--

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
357		N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanesulfonate (1:1)	334529-55-4	--
358		1-Hexadecylpyridinium perfluoro-1-butanesulfonate	334529-62-3	--
359		1-Butylpyridinium perfluoro-1-butanesulfonate	334529-64-5	--
360		N-Methyl-N,N-dioctyl-1-octanaminium perfluoro-1-butanesulfonate	495417-51-1	--
361		Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanesulfonic acid (1:1)	722538-68-3	--
362		N-Ethyl-N-methyl-N-propylammonium perfluorobutanesulfonate	1186599-90-5	--
363		[4-(2-Methylpropyl)phenyl]-diphenylsulfanium;1,1,2,2,3,3,4, 4,4-nonafluorobutane-1-sulfonate	1375211-36-1	--
364		Diphenyl 4-tertbutylphenylsulfonium nonafluorobutanesulfonate	258872-05-8	--
365		Diphenyl(4-methylphenyl)sulfonium nonafluorobutanesulfonate	284474-28-8	--
366		Trimethylsilyl nonafluorobutanesulfonate	68734-62-3	--
367		Perfluoropentane Acid (PFPeA)	2706-90-3	0.010
368		Sodium perfluoropentanoate(PFPeA-Na)	2706-89-0	--
369		Potassium perfluoropentanoate (PFPeA-K)	336-23-2	--
370		Lithium perfluoropentanoate (PFPeA-Li)	198482-22-3	--
371		Silver perfluoropentanoate (PFPeA-Ag)	2795-30-4	--
372		Ammonium perfluoropentanoate(PFPeA-NH_4)	68259-11-0	--
373		Perfluoropentanoate (anion)	45167-47-3	--
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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
385		7H-Perfluoroheptanoyl chloride (HPFHpA-Cl)	41405-35-0	--
386		7H-Perfluoroheptanoyl fluoride (HPFHpA-F)	5927-65-1	--
387		7H-Perfluoroheptanoyl bromide (HPFHpA-Br)	141893-84-7	--
388	PFHpS, its salts	Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.010
389		Perfluoroheptanesulfonate Na-salt (PFHpS-Na)	21934-50-9	--
390		Potassium Perfluoroheptanesulfonate (PFHpS-K)	60270-55-5	--
391		Ammonium perfluoroheptanesulfonate (PFHpS-NH_4)	68259-07-4	--
392		Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9	--
393		1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)	70225-15-9	--
394		Perfluoroheptane sulfonate (anion)	146689-46-5	--
395		Triethylammonium perfluoroheptane sulfonate	72033-40-0	--
396		Tetraethylammonium perfluoroheptane sulfonate	439863-97-5	--
397		Perfluoroheptane sulfonic anhydride (PFHpSA)	140429-92-1	--
398		Perfluoroheptanesulfonyl fluoride (PFHpS-F)	335-71-7	--
399	PFHpA, its salts	Perfluoroheptanesulfonyl chloride(PFHpS-Cl)	33018-82-5	--
400		Perfluoroheptane Acid (PFHpA)	375-85-9	0.010
401		Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5	--
402		Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5	--
403		Ammonium perfluoroheptanoate (PFHpA-NH_4)	6130-43-4	--
404		Cesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6	--
405		Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5	--
406		Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1	--
407		Perfluoroheptanoate (anion)	120885-29-2	--
408		Perfluoroheptanoic anhydride (PFHpAA)	78225-99-7	--
409		Perfluoroheptanoyl chloride (PFHpA-Cl)	52447-22-0	--
410		Perfluoroheptanoyl fluoride (PFHpA-F)	375-84-8	--
411	HFPO-DA, its salts & derivatives	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid (HFPO-DA)	13252-13-6	0.010
412		2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, ammonium salts (HFPO-DA-NH_4)	62037-80-3	--
413		2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, K- salts (HFPO-DA-K)	67118-55-2	--
414		2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its acyl halides (HFPO-DA-F)	2062-98-8	--
415		Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-	75579-39-4	--

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
416		Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-	75579-40-7	--
417		Sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	67963-75-1	--
418		Perfluoro(2-propoxypropanoate)	122499-17-6	--
419		2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid--N-propylpropan-1-amine (1/1)	165951-17-7	--
420		Triethylaminium perfluoro-2-propoxypropanoate	165951-18-8	--
421		4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	298703-31-8	--
422		2,3,6-Triiodobenzoic acid (1-methyl-3-piperidinyl)methyl ester compd. with perfluoro-2-(propoxy)propanoate (1:1) (HFPO-$C_{14}H_{16}I_3NO_2$)	2412106-69-3	--
423	4:2 FTS, its salts	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	0.010
424		1H,1H,2H,2H-perfluorohexane sulfonate acid sodium salt	27619-93-8	--
425		4:2 Fluorotelomer sulfonate (4:2 FTS(anion))	414911-30-1	--
426	PFPeS, its salts	Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.010
427		Sodium perfluoro-1-pentanesulfonate (PFPeS-Na)	630402-22-1	--
428		Potassium perfluoropentane-1-sulphonate (PFPeS-K)	3872-25-1	--
429		Ammonium perfluoropentanesulfonate (PFPeS-NH_4)	68259-09-6	--
430		Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate	70225-17-1	--
431		Undecafluoropentane-1-sulfonic acid lithium salt (PFPeS-Li)	1046864-81-6	--
432		Perfluoropentane sulfonate (anion)	175905-36-9	--
433		Triethylammonium perfluoropentane sulfonate	72033-42-2	--
434		Perfluoropentane sulfonic anhydride (PFPeSA)	161877-72-1	--
435	--	2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3	0.010
436	5:3 FTCA, its salts	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	0.010
437		2H,2H,3H,3H-Perfluorooctanoate (5:3 FTCA(anion))	1799325-94-2	--
438	PFHxDA, its salts	Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	0.010
439		Hentriacontafluorohexadecanoate anion (PFHxDA(anion))	1214264-30-8	--
440	--	Perfluoroheptadecanoic acid (PFHpDA)	57475-95-3	0.010
441		Perfluorooctadecanoic Acid (PFODA)	16517-11-6	0.010

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
464	11Cl-PF_3OUdS, its salts	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF_3OUdS-K)	83329-89-9	--
465		2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2-		

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
489		Ammonium pentafluoropropionate (PFPrA-NH_4)	2730-58-7	--
490		Perfluoropropanoate (PFPrA(anion))	44864-55-3	--
491		Pentafluoropropanoic acid-1-phenylpiperazine (1/1) (PFPrA-$C_{10}H_{14}N_2$)	893-87-8	--
492		Pentafluoropropanoic acid-piperazine (1/1) (PFPrA-$C_4H_{10}N_2$)	1690-94-4	--
493		Imidazole perfluoropropionic acid salt (PFPrA-$C_3H_4N_2$)	200705-90-4	--
494	HFPO-TA, its salts	Hexafluoropropylene oxide trimer acid (HFPO-TA)	13252-14-7	0.200
495		Propanoic acid, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]-, potassium salt (HFPO-TA-K)	67118-57-4	--
496		Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid, sodium salt (HFPO-TA-Na)	67963-76-2	--
497		Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy)-, ammonium salt (HFPO-TA-NH_4)	13043-05-5	--
498		Perfluoro(2,5-dimethyl-3,6-dioxanonanoyl) fluoride (HFPO-TA-F)	2641-34-1	--
499		Triethylaminium perfluoro-2-(2-propoxypropoxy)propanoate (HFPO-TA-$NH(C_2H_5)_3$)	165951-19-9	--
500		Methanaminium perfluoro-2-(2-propoxypropoxy)propanoate	328065-29-8	--
501		2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid--N-methylmethanamine (1/1)	328065-54-9	--
502	PFEtS, its salts	Perfluoroethane sulfonic acid (PFEtS)	354-88-1	0.010
503		Pentafluoroethanesulfonate (PFEtS (anion))	108410-37-3	--
504		Potassium pentafluoroethane-1-sulfonate (PFEtS-K)	2837-92-5	--
505	6:2 diPAP, its salts	6:2 Fluorotelomer phosphate diester (6:2 diPAP)	57677-95-9	0.010
506		Sodium bis[2-(perfluorohexyl)ethyl]phosphate (6:2 diPAP-Na)	407582-79-0	--
507		Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate ion(1-) (6:2 diPAP(Anion))	667465-18-1	--
508	TFSI, its salts	Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3	0.010
509		1-Butyl-1-methylpyrrolidinium Bis(trifluoromethanesulfonyl)imide	223437-11-4	--
510		Tributylmethylammonium Bis(trifluoromethanesulfonyl)imide	405514-94-5	--
511		Lithium Bis(trifluoromethane)sulfonimide (TFSI-Li)	90076-65-6	--

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
512		1-Decyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide	433337-23-6	--
513		Zinc(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Zn)	168106-25-0	--
514		Manganese(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Mn)	207861-55-0	--
515		Nickel bis(trifluoromethylsulfonyl)imide ($(TFSI)_2$-Ni)	207861-63-0	--
516		Copper(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Cu)	162715-14-2	--
517		(OC-6-11)-Tris(1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl-kappaO) methanesulfonamidato-kappaO)iron ($(TFSI)_3$-Fe)	207861-59-4	--
518		Copper(II) trifluoromethanesulfonimide hydrate ($(TFSI)_2$-CuH_2O)	1334406-76-6	--
519		Silver Bis(trifluoromethanesulfonyl)imide (TFSI-Ag)	189114-61-2	--
520		Copper bis(trifluoromethylsulfonyl)imide (TFSI-Cu)	291300-50-0	--
521		Barium(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Ba)	168106-22-7	--
522		Strontium bis(trifluoromethylsulfonyl)imide	862121-57-1	--
523		1-Methylimidazole Bis(trifluoromethanesulfonyl)imide	353239-08-4	--
524		1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide	174899-82-2	--
525		1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide	169051-76-7	--
526		Magnesium bis(trifluoromethylsulfonyl)imide (TFSI-Mg)	133395-16-1	--
527		1-Methyl-3-propylimidazolium Bis(trifluoromethanesulfonyl)imide	216299-72-8	--
528		1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide	623580-02-9	--
529		1-Methyl-3-n-octylimidazolium Bis(trifluoromethanesulfonyl)imide	178631-04-4	--
530		Tris[bis(trifluoromethylsulfonyl)amino] ytterbium ($(TFSI)_3$-Yb)	175438-43-4	--
531		Butyltrimethylammonium bis(trifluoromethylsulfonyl)imide	258273-75-5	--
532		Cobalt bis(trifluoromethylsulfonyl)imide ($(TFSI)_2$-Co)	207861-61-8	--
533		Potassium Bis(trifluoromethanesulfonyl)imide (TFSI-K)	90076-67-8	--
534		1-Methyl-1-propylpiperidin-1-ium Bis((trifluoromethyl)sulfonyl)amide	608140-12-1	--
535		1-Ethyl-2,3-dimethylimidazolium Bis(trifluoromethanesulfonyl)imide	174899-90-2	--

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
560				

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
592		Ruthenium(3+), (OC-6-22)-, salt with trifluoromethanesulfonic acid (1:3)	74468-24-9	--
593		O-Pivaloylhydroxylamine trifluoromethanesulfonate	1293990-73-4	--
594		Trifluoromethanesulfonyl chloride	421-83-0	--
595		(2-Pyridylmethyl)sulfonyl chloride triflate	882564-09-2	--
596		Trifluoromethanesulfonyl bromide	15458-53-4	--
597		Mercury(II) trifluoromethanesulfonate(TFMS-Hg)	49540-00-3	--
598		Dysprosium(III) tris(trifluoromethanesulfonate)(TFMS-Dy)	139177-62-1	--
599		Manganese bis(trifluoromethanesulfonate)(TFMS-Mn)	55120-76-8	--
600		Pentaammine(trifluoromethanesulfonato)osmium(III) triflate	83781-30-0	--
601		Lutetium(III) trifluoromethanesulfonate(TFMS-Lu)	126857-69-0	--
602		Terbium(III) trifluoromethanesulfonate(TFMS-Tb)	148980-31-8	--
603		Neodymium(III) trifluoromethanesulfonate(TFMS-Nd)	34622-08-7	--
604		Ammonium trifluoromethanesulfonate(TFMS-NH_4)	38542-94-8	--
605		Holmium(III) trifluoromethanesulfonate(TFMS-Ho)	139177-63-2	--
606		Trifluoromethanesulfonate	37181-39-8	--
607		Praseodymium(III) trifluoromethanesulfonate(TFMS-Pr)	52093-27-3	--
608		Bismuth(III) trifluoromethanesulfonate(TFMS-Bi)	88189-03-1	--
609		Europium(III) trifluoromethanesulfonate(TFMS-Eu)	52093-25-1	--
610		Erbium(III) trifluoromethanesulfonate(TFMS-Er)	139177-64-3	--
611		Gallium(III) trifluoromethanesulfonate(TFMS-Ga)	74974-60-0	--
612		N,N,N-Triethyl-2,2,2-trifluoroethan-1-aminium trifluoromethanesulfonate	380230-73-9	--
613		Methanesulfonic acid, trifluoro-, calcium salt(TFMS-Ca)	55120-75-7	--
614		Thallium(1+) trifluoromethanesulfonate(TFMS-Tl)	73491-36-8	--
615		Hafnium(IV) Trifluoromethanesulfonate(TFMS-Hf)	161337-67-3	--
616		1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctyl)pyridinium trifluoromethanesulfonate	25061-59-0	--
617		Tetrapropylammonium trifluoromethanesulphonate (TFMS- $N(C_3H_7)_4$)	35925-48-5	--
618		(Heptafluoropropyl)(phenyl)iodanium trifluoromethanesulfonate	77758-79-3	--
619		Phenyl(tridecafluorohexyl)iodanium trifluoromethanesulfonate	77758-84-0	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
650		Dimethyl[(trifluoroacetyl)oxy]sulfanium trifluoroacetate	57738-66-6	--
651		Aluminium tris(trifluoroacetate)(TFA-Al)	36554-89-9	--
652		Barium bis(trifluoroacetate)(TFA-Ba)	60884-92-6	--
653		Erbium tris(trifluoroacetate)(TFA-Er)	70236-99-6	--
654		Indium trifluoroacetate(TFA-In)	36554-90-2	--
655		Lanthanum tris(trifluoroacetate)(TFA-La)	70236-92-9	--
656		Nickel(2+) trifluoroacetate(TFA-Ni)	16083-14-0	--
657		Lead(II) trifluoroacetate(TFA-Pb)	4146-73-0	--
658		Acetic acid, trifluoro-, rhodium(2+) salt(TFA-Rh)	72654-51-4	--
659		Thulium tris(trifluoroacetate)(TFA-Tm)	70237-00-2	--
660		Ytterbium(3+) tris(trifluoroacetate)(TFA-Yb)	87863-62-5	--
661		Zinc bis(trifluoroacetate)(TFA-Zn)	21907-47-1	--
662		Ruthenium(II) 2,2,2-trifluoroacetate(TFA-Ru)	61612-84-8	--
663		Magnesium 2,2,2-trifluoroacetate(TFA-Mg)	123333-72-2	--
664		Copper(2+) trifluoroacetate(TFA-Cu)	123333-88-0	--
665		Methyltrioctylammonium trifluoroacetate	121107-16-2	--
666		Chromium(3+) tris(trifluoroacetate)(TFA-Cr)	16712-29-1	--
667		Tetraethylammonium trifluoroacetate(TFA-$N(C_2H_5)_4$)	30093-29-9	--
668		Tetrabutylammonium trifluoroacetate(TFA-$N(C_4H_9)_4$)	39481-22-6	--
669		Europium(3+) trifluoroacetate-water (1/3/3)(TFA-$Eu.H_2O$)	94079-71-7	--
670	BETI, its salts	Bis(pentafluoroethylsulfonyl)imide	152894-10-5	0.020
671		Lithium Bis(pentafluoroethanesulfonyl)imide	132843-44-8	--
672		Bis(perfluoroethylsulfonyl)imide anion	129318-46-3	--
673		Sodium bis((perfluoroethyl)sulfonyl)amide	152894-04-7	--
674		Potassium bis((perfluoroethyl)sulfonyl)amide	221203-22-1	--
675		1-Ethyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide	216299-76-2	--
676	--	Perfluoro-2-ethoxypropanoic acid(PEPA)	267239-61-2	0.010
677	PFDPA, its salts	Perfluorodecylphosphonic acid (PFDPA)	52299-26-0	0.010
678		Perfluorodecylphosphonic Acid 4-Methylbenzamine	--	--
679		Perfluorodecylphosphonic Acid Di-4-toluidine Salt	--	--
680	PFHxPA, its salts	Perfluorohexyl phosphonic acid	40143-76-8	0.010
681		Perfluorohexylphosphonic Acid 4-Methylbenzamine	1263361-02-9	--
682	--	((Perfluorooctyl)ethyl)phosphonic acid	80220-63-9	0.020

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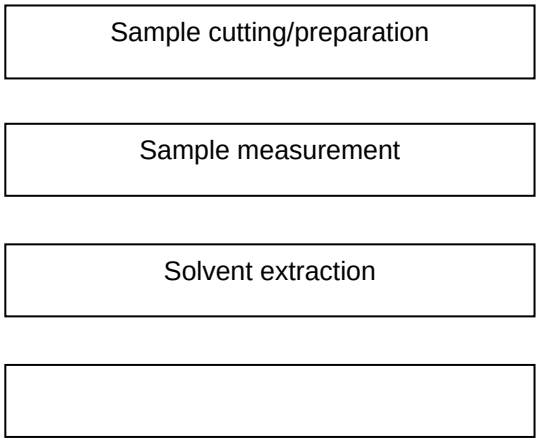
No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
		(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]-, ammonium salt (1:1)		
712	PFDeDA, its salts	Perfluorodecanedioic acid (PFDeDA)	307-78-8	0.010
713		Disodium;2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorodecanedioate	--	--
714		Dilithium;2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorodecanedioate	--	--
715		9H-Perfluorononanoic acid (9H-PFNA)	76-21-1	0.100
716		Sodium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--	--

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ATTACHMENTS

PFASs/ PFOS/PFOA Testing Flow Chart



Sample photos:



SGS authenticate the photo on original report only

*** End of Report ***