Test Report (PFAS)

Client Name: SHENZHEN YONGYUAN MICROELECTRONICS TECHNOLOGY CO.,LTD

Client Address: C2 BUILDING RUIMING INDUSTRIAL PARK, NO.44 HEXIU WEST ROAD，ZHANCHENG，FUHAI STREET,BAO'AN DIST, SHENZHEN

Sample Name: MOS

Model No.: SOT23L

Client Ref. Information: SOT23L、QFN2*2-6L、QFN3*3-8L、SOP-8L、SOT89-3L、ESOP-8L、TO-92-3L、TO94-4L、SOT223-3L、SOT23-3L、SOT23-5L、SOT23-6L、SOT323-3L、SOT363-6L、SOT523-3L、SOT723-3L、DFN3*3-10L、TSSOP-8L、SOT223-2L、SSOP-24L、SOT563-6L、QFN5*6-22L、QFN2*3-6L、DFN1*0.6-3L、DFN3*3-10L、SOP-16L

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

THIS REPORT IS TO SUPERSEDE REPORT NO.SZXEC26003748703, DATE: Jun 23, 2026.

SGS Job No.: SZP26-029866

Sample Receiving Date: Jun 16, 2026

Testing Period: Jun 16, 2026 ~ Jun 23, 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 Co., Ltd. Shenzhen Branch

Tina

Tina Fan
Approved Signatory

Scan to see the report

59E0A92E

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(1) List of PFAS, its salts & derivatives

No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
1	PFOS, its salts & derivatives	Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.010
2		Potassium Perfluorooctanesulfonate (PFOS-K)	2795-39-3	--
3		Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	--
4		Sodium perfluorooctanesulfonate (PFOS-Na)	4021-47-0	--
5		Ammonium perfluorooctanesulfonate ($PFOS\text{-}NH_4$)	29081-56-9	--
6		Perfluorooctane sulfonate diethanolamine salt ($PFOS\text{-}NH_2(C_2H_4OH)_2$)	70225-14-8	--
7		Perfluorooctanesulfonic acid,tetraethylammonium salt ($PFOS\text{-}N(C_2H_5)_4$)	56773-42-3	--
8		N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate ($PFOS\text{-}N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8	--
9		TetrabutylAmmonium perfluorooctanesulfonate ($PFOS\text{-}N(C_4H_9)_4$)	111873-33-7	--
10		Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7	--
11		Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg)	91036-71-4	--
12		Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6	--
13		Perfluorooctanesulfonate	45298-90-6	--
14		Triethylammonium perfluorooctane sulfonate ($PFOS\text{-}NH(C_2H_5)_3$)	54439-46-2	--
15		Tetramethylammonium perfluorooctane sulfonate ($PFOS\text{-}N(CH_3)_4$)	56773-44-5	--
16		N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate ($PFOS\text{-}N(C_3H_7)_3(C_5H_{11})$)	56773-56-9	--
17		N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate ($PFOS\text{-}N(C_4H_9)_3(CH_3)$)	124472-68-0	--
18		Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)	213740-80-8	--
19		Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0	--
20		1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4	--
21		N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4	--
22		Tetrabutylphosphonium perfluorooctane sulfonate ($PFOS\text{-}P\ (C_4H_9)_4$))	2185049-59-4	--

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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

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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	PFOSA, its salts	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)	76752-72-2	--
50		Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-$C_6H_{15}N$)	76752-82-4	--
51	PFOA, its salts & derivatives	Perfluorooctanoic acid (PFOA)	335-67-1	0.010
52		Sodium perfluorooctanoate (PFOA-Na)	335-95-5	--
53		Potassium perfluorooctanoate (PFOA-K)	2395-00-8	--
54		Silver perfluorooctanoate (PFOA-Ag)	335-93-3	--
55		Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	--
56		Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	--
57		Lithium perfluorooctanoate (PFOA-Li)	17125-58-5	--
58		Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6	--
59		Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9	--
60		Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3+))	68141-02-6	--
61		Pentadecafluorooctanoic acid--piperazine (2/1) (PFOA-NH($C_4H_{10}N$))	423-52-9	--
62		Pentadecafluorooctanoate (anion)	45285-51-6	--
63		Perfluorooctanoic Anhydride	33496-48-9	--
64		N,N,N-Triethylethanaminium perfluorooctanoate	98241-25-9	--
65		Perfluorooctanoate N,N,N-Trimethylmethanaminium	32609-65-7	--
66		Tetrapropylammonium perfluorooctanoate	277749-00-5	--
67		Potassium pentadecafluorooctanoate--water (1/1/2) (PFOA-K(H_2O)$_2$)	98065-31-7	--
68		Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C_2H_7N)	1376936-03-6	--
69		Pentadecafluorooctanoic acid--pyridine (1/1) (PFOA-C_5H_5N)	95658-47-2	--
70		pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-$C_{10}H_{14}N_2$)	1514-68-7	--

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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	8:2 FTS, its salts	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		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-Perfluorodecyltriethoxysilane (8:2 FTSi(OC_2H_5)$_3$)	101947-16-4	0.100
90	8:2diPAP, its salts	Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2diPAP)	678-41-1	0.010
91		Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6	--
92		Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate	57677-97-1	--
93		Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH_4)	93776-20-6	--
94		8:2 Fluorotelomer phosphate diester ion (1-)	1411713-91-1	--
95	8:3 FTCA, its salts	2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)	34598-33-9	0.010
96		Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)	83310-58-1	--

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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 PFPi, its salts	8:8 Perfluorophosphinic acid (8:8 PFPi)	40143-79-1	0.010
105		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 monoPAP, its salts	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		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	PFNA, its salts	Perfluorononane Acid (PFNA)	375-95-1	0.010
118		Perfluorononanoate Na-Salt (PFNA-Na)	21049-39-8	--
119		Nonanoic acid, heptadecafluoro-, ammonium salt (PFNA-NH_4)	4149-60-4	--
120		Potassium perfluorononanoate (PFNA-K)	21049-38-7	--
121		Perfluorononanoate Li-Salt (PFNA-Li)	60871-92-3	--
122		Silver perfluorononanoate (PFNA-Ag)	7358-16-9	--
123		Methanaminium perfluorononanoate (PFNA-$NH_3(CH_3)$)	77032-23-6	--
124		Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-ethylethanamine (1:1) PFNA-$NH_2(C_2H_5)_2$)	77032-27-0	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
125		Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-methylmethanamine (1:1) (PFNA-$NH_2(CH_3)_2$)	77032-24-7	--
126		Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-$NH(C_2H_5)_3$)	327176-80-7	--
127		Nonanoic acid, heptadecafluoro-, compd. with piperidine (1:1) (9CI) (PFNA-$NH_2(C_5H_{10})$)	95682-66-9	--
128		Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with benzenamine (1:1) (PFNA-$NH_3(C_6H_5)$)	95682-67-0	--
129		Nonanoic acid, heptadecafluoro-, compd. with cyclohexanamine (1:1) (9CI) (PFNA-$NH_3(C_6H_{11})$)	328531-06-2	--
130		Perfluorononanoate (anion)	72007-68-2	--
131		4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate (PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0	--
132		Perfluorononanoic anhydride (PFNAA)	228407-54-3	--
133		Perfluorononanoyl chloride (PFNA-Cl)	52447-23-1	--
134		Perfluorononanoyl fluoride (PFNA-F)	558-95-2	--
135		Heptadecafluorononanoyl Bromide (PFNA-Br)	261503-42-8	--
136	PFDA, its salts	Perfluorodecane Acid (PFDA)	335-76-2	0.010
137		Sodium perfluorodecanoate (PFDA-Na)	3830-45-3	--
138		Perfluorodecanoate ammonium salt (PFDA-NH_4)	3108-42-7	--
139		Potassium perfluorodecanoate (PFDA-K)	51604-85-4	--
140		Silver perfluorodecanoate (PFDA-Ag)	5784-82-7	--
141		Lithium perfluorodecanoate (PFDA-Li)	84743-32-8	--
142		Perfluorodecanoate (anion)	73829-36-4	--
143		Perfluorodecanoic anhydride (PFDAA)	942199-24-8	--
144		Nonadecafluorodecanoyl chloride (PFDA-Cl)	307-38-0	--
145		Nonadecafluorodecanoyl Fluoride (PFDA-F)	--	--
146	PFUnDA, its salts	Perfluoroundecanoic Acid (PFUnDA)	2058-94-8	0.010
147		Perfluoroundecanoic acid sodium salt (PFUnDA-Na)	60871-96-7	--
148		Ammonium perfluoroundecanoate (PFUnDA-NH_4)	4234-23-5	--
149		Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8	--
150		Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2	--
151		Perfluoroundecanoate (anion)	196859-54-8	--
152	PFDoDA, its salts	Perfluorododecanoic Acid (PFDoDA)	307-55-1	0.010
153		Ammonium tricosafluorododecanoate (PFDoDA-NH_4)	3793-74-6	--

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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	--

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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	PFDoDS, its salts	Perfluorododecanesulfonic acid (PFDoDS)	79780-39-5	0.010
189		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	PFHxS, its salts & derivatives	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. With pyrrolidine (1:1) (PFHxS-NC_4H_9)	1187817-57-7	--
210		Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-,	1310480-24-0	--

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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	--
221		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)(PFHxS-Ga)	341035-71-0	--

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

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中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江灏（坂田）工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t (86-755) 25328888 sgs.china@sgs.com

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)
257		Silver perfluorohexanoate (PFHxA-Ag)	336-02-7	--
258		Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8	--
259		Perfluorohexanoic anhydride	308-13-4	--
260		Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8CI,9CI)	423-47-2	--
261		Perfluorohexanoate (anion)	92612-52-7	--
262		Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5	--
263		Perfluorohexanoyl bromide (PFHxA-Br)	1404193-66-3	--
264		Undecafluorohexanoic acid--hexan-1-amine (1/1) (PFHxA-$C_6H_{15}N$)	565225-91-4	--
265		1-phenylpiperazine; 2,2,3,3,4,4,5,5,6,6,6-undecafluorohexanoic acid (PFHxA-$C_{10}H_{14}N_2$)	985-60-4	--
266	--	1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	0.100
267	--	1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	0.400
268	--	1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	0.200
269	6:2 FTS, its salts	1H,1H,2H,2H-Perfluorooctanesulphonic acid (6:2 FTS)	27619-97-2	0.010
270		Sodium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-Na)	27619-94-9	--
271		Potassium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-K)	59587-38-1	--
272		Ammonium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-NH_4)	59587-39-2	--
273		1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-, barium salt (2:1) (6:2 FTS-Ba)	1807944-82-6	--
274		2-(Perfluorohexyl)ethane-1-sulfonate (6:2FTS(anion))	425670-75-3	--
275		2-(Perfluorohexyl)ethanesulfonyl chloride (6:2 FTS-Cl)	27619-89-2	--
276		2-(Perfluorohexyl)ethanesulfonyl fluoride (6:2 FTS-F)	--	--
277	--	1H,1H,2H,2H-Perfluorooctyltriethoxysilane (6:2 FTSi(OC_2H_5)$_3$)	51851-37-7	0.500
278	--	1H,1H,2H,2H-Perfluorooctyltrichlorosilane	78560-45-9	0.200
279	--	1H,1H,2H,2H-Perfluorooctyltrimethoxysilane (6:2 FTSi(OCH_3)$_3$)	85857-16-5	
280	--	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-iodohexane (PFHx-I)	355-43-1	0.200
281	--	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodononane	38550-34-4	0.200
282	--	N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide n-oxide	80475-32-7	0.100

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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	--

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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	PFBS, its salts & derivatives	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		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$(C_6H_4)_2(C_4H_9)_2$)	194999-85-4	--

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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	--

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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	PFPeA, its salts	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	--
374		Nonafluoropentanoic acid -1-benzylthiourea (1:1) (PFPeA-$C_8H_{10}N_2S$)	64808-55-5	--
375		Perfluoropentanoic anhydride (PFPeAA)	308-28-1	--
376		Perfluoropentanoyl chloride (PFPeA-Cl)	375-60-0	--
377		Perfluoropentanoyl fluoride (PFPeA-F)	375-62-2	--
378		Nonafluoropentanoyl bromide (PFPeA-Br)	159623-35-5	--
379	HPFHpA, its salts	7H-Dodecanefluoroheptane Acid (HPFHpA)	1546-95-8	0.010
380		Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na)	2264-25-7	--
381		Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH_4)	376-34-1	--
382		7-H-Perfluoroheptanoate (HPFHpA(anion))	69681-35-2	--
383		Potassium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-K)	--	--
384		Lithium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Li)	--	--

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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		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		Perfluoroheptanesulfonyl chloride(PFHpS-Cl)	33018-82-5	--
400	PFHpA, its salts	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	--

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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

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
442	PFODA, its salts	Perfluorooctadecanoate anion (PFODA(anion))	798556-82-8	--
443		Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluorooctadecanoate	--	--
444		Sodium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluorooctadecanoate	--	--
445		Lithium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluorooctadecanoate	--	--
446	--	Perfluorononadecanoic acid (PFNDA)	133921-38-7	0.010
447	--	Eicosanoic acid, nonatriacontafluoro (C_{20} PFCA)	68310-12-3	0.010
448	--	Perfluoroheneicosanoic acid (C_{21} PFCA)	2920913-30-8	0.010
449	--	1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA)	2144-53-8	0.200
450	ADONA, its salts	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	0.010
451		Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA-NH_4)	958445-44-8	--
452		Sodium 4,8-dioxa-3H-perfluorononanoate (ADONA-Na)	2250081-67-3	--
453		Potassium 2,2,3-trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA-K)	1087271-46-2	--
454		2,2,3-Trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA (anion))	2127366-90-7	--
455	PFMPA, its salts	Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	0.010
456		Perfluoro-3-methoxypropanoic anhydride (PFMPAA)	42566-65-4	--
457	--	Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	0.010
458	--	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	0.010
459	9Cl-PF_3ONS, its salts	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF_3ONS)	756426-58-1	0.010
460		Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF_3ONS-K)	73606-19-6	--
461		Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF_3ONS-NH_4)	1383434-28-3	--
462		Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonate) (9Cl-PF_3ONS(anion))	1621485-21-9	--
463		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF_3OUdS)	763051-92-9	0.010

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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-tetrafluoroethanesulfonate (11Cl-PF_3OUdS (anion))	2196242-82-5	--
466	PFEESA, its salts	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.010
467		Potassium perfluoro(2-ethoxyethane) sulfonate (PFEESA-K)	117205-07-9	--
468		Sodium perfluoro(2-ethoxyethane) sulfonate (PFEESA-Na)	113507-87-2	--
469	3:3 FTCA, its salts	3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	0.010
470		4,4,5,5,6,6,6-Heptafluorohexanoate (3:3 FTCA(anion))	1169706-83-5	--
471		Sodium 3-(perfluoropropyl)propanoate (3:3 FTCA-Na)	1207462-13-2	--
472	PFPeDA, its salts	Pentadecanoic acid, nonacosafluoro (PFPeDA)	141074-63-7	0.010
473		Nonacosafluoropentadecanoate (PFPeDA(anion))	1214264-29-5	--
474	--	1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA)	1799-84-4	0.200
475	--	2-(N-ethylperfluorooctanesulfamido) ethyl acrylate (EtFOSAC)	423-82-5	0.200
476	--	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane (6:2 FTI)	2043-57-4	0.200
477	PFBSA, its salts	Perfluorobutane sulfonamides (PFBSA)	30334-69-1	0.100
478		Nonafluorobutanesulfonamide ammonia salt (FBSA-NH4)	131003-86-6	--
479		Potassium (perfluorobutanesulfonyl)azanide (FBSA-K)	289042-19-9	--
480	--	1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide (PFBS-NC_3H_8O)	34454-97-2	0.010
481	11H-PFUnDA, its salts	11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6	0.100
482		Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-K)	307-71-1	--
483		Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-NH_4)	5081-02-7	--
484		11-H-Perfluoroundecanoate (11H-PFUnDA(anion))	69681-37-4	--
485	PFPrA, its salts	Pentafluoropropionic acid (PFPrA)	422-64-0	0.100
486		Sodium pentafluoropropionate (PFPrA-Na)	378-77-8	--
487		Silver pentafluoropropionate (PFPrA-Ag)	509-09-1	--
488		Potassium pentafluoropropionate (PFPrA-K)	378-76-7	--

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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	--

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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	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
536		1-Methyl-1-propylpyrrolidinium Bis(trifluoromethanesulfonyl)imide	223437-05-6	--
537		1,1,1-trifluoro-N-trifluoromethanesulfonyl-N-((N-trifluoromethanesulfonyltrifluoromethanesulfonamido)calcio)methanesulfonamide ($(TFSI)_2$-Ca)	165324-09-4	--
538		Choline bis(trifluoromethylsulfonyl)imide	827027-25-8	--
539		1-Dodecyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide	404001-48-5	--
540		1-Ethyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide	223436-99-5	--
541		Diethylmethylsulfonium bis(trifluoromethylsulfonyl)imide	792188-85-3	--
542		Bis(trifluoromethylsulfonyl)azanide;mercury(2+) ($(TFSI)_2$-Hg)	104715-41-5	--
543		Cerium(III) Bis(trifluoromethanesulfonyl)imide (TFSI-Ce)	1046099-39-1	--
544		Cadmium bis{bis[(trifluoromethyl)sulfonyl]azanide} (TFSI-Cd)	1263295-73-3	--
545		Bis(trifluoromethanesulfonyl)imide Lanthanum(III) Salt (TFSI-La)	168106-26-1	--
546		Scandium(III) bis(trifluoromethylsulfonyl)imide (TFSI-Sc)	176726-07-1	--
547		Yttrium(III) bis(trifluoromethanesulfonyl)imide (TFSI-Y)	189114-86-1	--
548		Vanadium tris(bis(trifluoromethanesulfon)imide) (TFSI-V)	207861-54-9	--
549		Iron(II) bis(trifluoromethanesulfonyl)imide (TFSI-Fe)	207861-57-2	--
550		Tin(II) bis(trifluoromethylsulfonyl)imide (TFSI-Sn)	460096-08-6	--
551		Cesium bis(trifluoromethanesulfonyl)imide (TFSI-Cs)	91742-16-4	--
552		Sodium bis(trifluoromethanesulfonyl)imide (TFSI-Na)	91742-21-1	--
553	10:2 monoPAP, its salts	10:2 Fluorotelomer phosphate monoester (10:2 monoPAP)	57678-05-4	0.100
554		10:2 Fluorotelomer diammonium dihydrogen phosphate	93857-45-5	--
555		3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12.12,12-Henicosafluorododecyl dihydrogen phosphate cyclohexylamine	2514858-66-1	--
556	--	N-(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl)iodoacetamide	852527-50-5	0.010
557	TFMS, its salts	Trifluoromethane sulfonic acid (TFMS)	1493-13-6	0.010
558		Trifluoromethane sulfonic acid Sodium salt (TFMS-Na)	2926-30-9	--
559		Silver trifluoromethanesulfonate (TFMS-Ag)	2923-28-6	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
560		Zinc trifluoromethanesulfonate (TFMS-Zn)	54010-75-2	--
561		Scandium trifluoromethanesulfonate (TFMS-Sc)	144026-79-9	--
562		Trifluoromethanesulfonic anhydride	358-23-6	--
563		Lithium trifluoromethanesulfonate (TFMS-Li)	33454-82-9	--
564		Copper(II) trifluoromethanesulfonate (TFMS-Cu)	34946-82-2	--
565		Barium trifluoromethanesulfonate (TFMS-Ba)	2794-60-7	--
566		Cerium(IV) trifluoromethanesulfonate (TFMS-Ce)	107792-63-2	--
567		Magnesium trifluoromethanesulfonate (TFMS-Mg)	60871-83-2	--
568		Potassium trifluoromethanesulfonate (TFMS-K)	2926-27-4	--
569		Nickel(II) Trifluoromethanesulfonate (TFMS-Ni)	60871-84-3	--
570		Tin(II) trifluoromethanesulfonate (TFMS-Sn)	62086-04-8	--
571		Yttrium(III) trifluoromethanesulfonate (TFMS-Y)	52093-30-8	--
572		Iron(III) trifluoromethanesulfonate (TFMS-Fe)	63295-48-7	--
573		Cerium(III) Trifluoromethanesulfonate (TFMS-Ce)	76089-77-5	--
574		Tetrabutylammonium trifluoromethanesulfonate	35895-70-6	--
575		Methyltrioctylammonium trifluoromethanesulfonate	121107-18-4	--
576		Imidazole trifluoromethanesulfonate	29727-06-8	--
577		Trifluoroacetyl Trifluoromethanesulfonate	68602-57-3	--
578		Lanthanum(III) trifluoromethanesulfonate(TFMS-La)	52093-26-2	--
579		Indium(III) trifluoromethanesulfonate(TFMS-In)	128008-30-0	--
580		Samarium(III) trifluoromethanesulfonate(TFMS-Sm)	52093-28-4	--
581		Ytterbium(III) trifluoromethanesulfonate(TFMS-Yb)	54761-04-5	--
582		Thulium(III) trifluoromethanesulfonate(TFMS-Tm)	141478-68-4	--
583		Tetraethylammonium trifluoromethanesulfonate	35895-69-3	--
584		1-Fluoro-3,5-dichloropyridinium triflate	107264-06-2	--
585		Triethylamine salt of trifluoromethanesulfonic acid	646-58-2	--
586		Triphenylphosphonium anhydride triflate	72450-51-2	--
587		N,N-Diethyl-6-(diethylamino)-9-(2-(methoxycarbonyl)phenyl)-3H-xanthene-3-ylideneammonium trifluoromethanesulfonate	120611-30-5	--
588		Diphenylammonium Trifluoromethanesulfonate	164411-06-7	--
589		1-(3-aminoazetidin-1-yl)prop-2-en-1-one, trifluoromethanesulfonic acid	2060047-56-3	--
590		Guanidine trifluoromethanesulfonic acid	153756-25-3	--
591		Trifluoromethanesulfonic acid--1-ethyl-1H-imidazole (1/1)	501693-46-5	--

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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(II) 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)
620		(Heptadecafluorooctyl)(phenyl)iodanium trifluoromethanesulfonate	77758-89-5	--
621		(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)(phenyl)iodanium trifluoromethanesulfonate	82959-18-0	--
622		Triethylmethylammonium triflate	90756-35-7	--
623		Pentafluoroanilinium trifluoromethanesulfonate	912823-79-1	--
624		Tributylmethylammonium trifluoromethanesulfonate	944557-37-3	--
625	PFPrS, its salts	Perfluoropropanesulfonic acid (PFPrS)	423-41-6	0.010
626		Perfluoropropanesulfonic acid sodium salt (PFPrS-Na)	359868-82-9	--
627	--	1-perfluoroheptyl ethanol (7:2 secondary) (7:2sFTOH)	24015-83-6	0.200
628	--	4:2 Fluorotelomer iodide (4:2 FTI)	2043-55-2	0.200
629	PFHpSi, its salts	Perfluoroheptane-1-sulfinic acid (PFHpSi)	769067-51-8	0.010
630		1-heptanesulfinic Acid Sodium Salt (PFHpSi-Na)	68555-66-8	--
631	PFOPA, its salts	Perfluorooctyl phosphoric acid (PFOPA)	40143-78-0	0.010
632		(Heptadecafluorooctyl)phosphonic acid-4-methylaniline (1/1)	1263361-03-0	--
633	--	1H,1H-Perfluorooctylamine (7:1 $FTNH_2$)	307-29-9	0.200
634	--	Perfluoroheptanamide ($PFHpA-NH_2$)	2358-22-7	0.100
635	--	Perfluorobutyramide ($PFBA-NH_2$)	662-50-0	0.200
636	--	1H,1H,2H,2H-Nonafluorohexyl acrylate (4:2 FTA)	52591-27-2	0.200
637	--	N-methylperfluoro-1-butanesulfonamide (MeFBSA)	68298-12-4	0.010
638	--	N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide (Et-FHxSE)	34455-03-3	0.010
639	TFA, its salts	Trifluoroacetic acid (TFA)	76-05-1	1.000
640		Sodium trifluoroacetate (TFA-Na)	2923-18-4	--
641		Thallium(III) trifluoroacetate (TFA-Tl)	23586-53-0	--
642		Lithium Trifluoroacetate (TFA-Li)	2923-17-3	--
643		Silver trifluoroacetate (TFA-Ag)	2966-50-9	--
644		Cesium Trifluoroacetate (TFA-Cs)	21907-50-6	--
645		Potassium trifluoroacetate (TFA-K)	2923-16-2	--
646		Ammoniumtrifluoroacetate ($TFA-NH_4$)	3336-58-1	--
647		Mercury(II) trifluoroacetate (TFA-Hg)	13257-51-7	--
648		Palladium(II) trifluoroacetate (TFA-Pd)	42196-31-6	--
649		Trifluoroacetate / Trifluoroacetic acid anion(TFA anion)	14477-72-6	--

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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)
683	--	3-(Perfluorobutyl)propanoic acid	80705-13-1	0.010
684	--	Perfluoro-3,6,9-trioxaundecane-1,11-dioic acid	55621-18-6	0.020
685	--	Perfluorononanedioic acid	23453-64-7	0.020
686	--	Perfluorooctanedioic acid	678-45-5	0.020
687	--	Perfluamine	338-83-0	10.000
688	HFAC, its salts	Hexafluoroacetylacetone (HFAC)	1522-22-1	0.010
689		Strontium hexafluoroacetylacetonate (HFAC-Sr)	121012-89-3	--
690		Calcium hexafluoroacetylacetonate (HFAC-Ca)	121012-90-6	--
691		Bismuth(III) hexafluoroacetylacetonate (HFAC-Bi)	141364-06-9	--
692		Nickel(2+) bis(1,1,1,5,5,5-hexafluoro-2,4-dioxopentan-3-ide) (HFAC-Ni)	14949-69-0	--
693		Copper(II) hexafluoroacetylacetonate hydrate (HFAC- $Cu{\cdot}H_2O$)	155640-85-0	--
694		Thorium hexafluoroacetylacetonate (HFAC-Th)	18865-75-3	--
695		Yttrium hexafluoroacetylacetonate (HFAC-Y)	18911-76-7	--
696		Erbium(III) hexafluoroacetylacetonate hydrate (HFAC- $Er{\cdot}H_2O$)	18923-92-7	--
697		Scandium(III) hexafluoroacetylacetonate (HFAC-Sc)	18990-42-6	--
698		Cobalt(2+) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten- 2-olate] (HFAC-Co)	19648-83-0	--
699		Magnesium bis(1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2- olate) (HFAC-Mg)	19648-85-2	--
700		Manganese(2+) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2- penten-2-olate] (HFAC-Mn)	19648-86-3	--
701		Sodium hexafluoroacetylacetonate (HFAC-Na)	22466-49-5	--
702		Caesium (2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2- olate (HFAC-Cs)	22518-56-5	--
703		Barium hexafluoroacetylacetonate (HFAC-Ba)	314071-48-2	--
704		Indium hexafluoropentanedionate (HFAC-In)	34110-72-0	--
705		Tin(II) hexafluoroacetylacetonate (HFAC-Sn)	51319-99-4	--
706		Palladium(II) hexafluoroacetylacetonate (HFAC-Pd)	64916-48-9	--
707	--	Perfluoro-N-methylmorpholine	382-28-5	10.000
708	--	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (BPAF)	--	10.000
709	PFTriODA, its salts	Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid (PFTriODA)	65294-16-8	0.010
710		Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid potassium salt	67963-77-3	--
711		Propanoic acid, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-	--	--

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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-PFNA, its salts	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	--	--
717		Sodium 9-chloro-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--	--
718		potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--	--
719		Potassium 9-chloroperfluorononanoate	1415963-94-8	--
720		Ammonium hexadecafluorononanoate	1868-86-6	--
721		Lithium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--	--
722		Lithium 9-chloro-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	--	--
723	HFPDSI, its salts	1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide (HFPDSI)	84246-29-7	0.010
724		Potassium 1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide (HFPDSI-K)	588668-97-7	--
725		Lithium 1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide (HFPDSI-Li)	189217-62-7	--

(2) For textile, list of PFAS hydrolysed ^^ when extracted by methanol/sodium hydroxide solution in below table:

Substances Name	CAS No.
N-EtFOSE, its possible source	
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2
2-(N-ethylperfluorooctanesulfamido)ethyl acrylate (EtFOSAC) ^^	423-82-5
PFOA, its possible source	
Perfluorooctanoic Acid (PFOA)	335-67-1
Ethyl perfluorooctanoate (Et-PFOA) ^^	3108-24-5
Methyl perfluorooctanoate (Me-PFOA) ^^	376-27-2
8:2 FTOH, its possible source	
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) ^^	1996-88-9
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) ^^	27905-45-9

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1H,1H,2H,2H-perfluorodecyl acetate (8:2 FTOAc) ^^	37858-04-1
10:2 FTOH, its possible source	
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1
1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA) ^^	2144-54-9
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA) ^^	17741-60-5
1H,1H,2H,2H-perfluorododecyl acetate (10:2 FTOAc) ^^	37858-05-2
6:2 FTOH, its possible source	
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7
1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA) ^^	2144-53-8
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA) ^^	17527-29-6
MeFHxSE, its possible source	
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
2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester ^^	67584-61-6
2-[methyl[(tridecafluorohexyl) sulphonyl]amino]ethyl acrylate)) (N-MeFHSEA) ^^	67584-57-0
Et-FHxSE, its possible source	
N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide (Et-FHxSE)	34455-03-3
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
PFHpA, its possible source	
Perfluoroheptane Acid (PFHpA)	375-85-9
Perfluoroheptanamide (PFHpA-NH_2) ^^	2358-22-7
PFBA, its possible source	
Perfluorobutane Acid (PFBA)	375-22-4
Perfluorobutyramide (PFBA-NH_2) ^^	662-50-0
4:2 FTOH, its possible source	
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2
1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA) ^^	1799-84-4
1H,1H,2H,2H-Nonafluorohexyl acrylate (4:2 FTA) ^^	52591-27-2

(3) Compound is hydrolysed and releases related PFAS substances when extracted by methanol/sodium hydroxide solution. Since the listed PFAS will be degraded to unknown compounds and/or cannot be analysed by extraction with methanol/NaOH solution, only extractable content can be detected and quantified with solvent extraction methods .The results received by solvent extraction with subsequent

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GC-MS or GC-MS/MS or HPLC-MS/MS analysis reflect only extractable PFAS.

(4) Results of PFPeDA, PFHpDA, PFNDA, C_{20} PFCA, C_{21} PFCA were semi-quantified using a perfluoroalkanoic acid whose carbon-chain length is close to that of the analyte.

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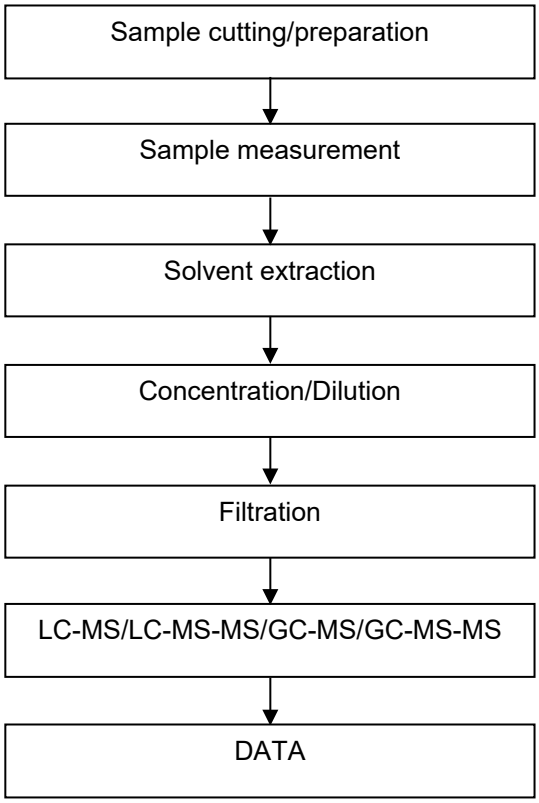
ATTACHMENTS

PFASs/ PFOS/PFOA Testing Flow Chart



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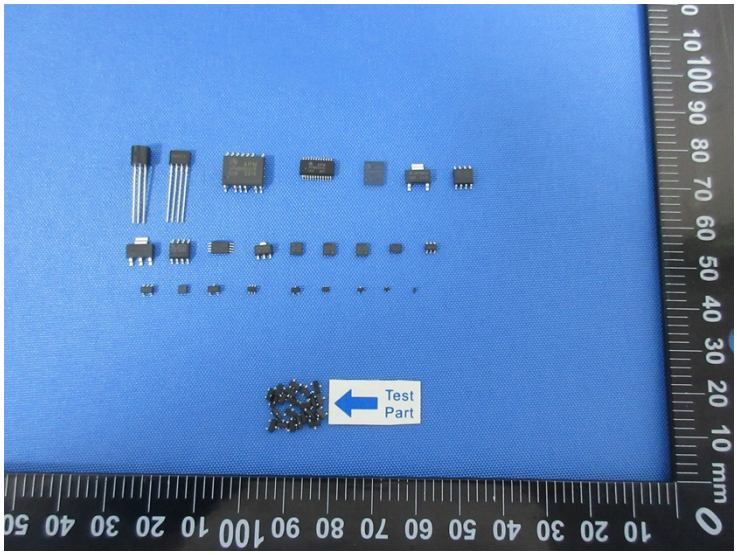
Sample photos:



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