Test Report (PFAS)

No.: CANEC26003360403 **Date:** Feb 27, 2026

Client Name: FOSHAN BLUE ROCKET ELECTRONICS CO.,LTD.

Client Address: NO.45 GUXIN ROAD,CHANCHENG DISTRICT,FOSHAN,GUANGDONG,P.R.C.

Sample Name: LFPAK5×6 Semiconductor Device

Model No.: LFPAK5×6

Client Ref. Information: PDFN3×3A-8L PDFN3×3-8L PDFN5×6 PDFN5×6A TO-263-7L TOLT-16L PDFN8×8A-8L LFPAK8×8 TO-247

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

SGS Job No.: GZP26-003720

Sample Receiving Date: Feb 04, 2026

Testing Period: Feb 04, 2026 ~ Feb 13, 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:

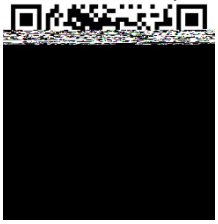
671 Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jany Zhong

Jany Zhong
Approved Signatory

Scan to see the report



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Test Report

(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-NH_4)	29081-56-9	--
6		Perfluorooctane sulfonate diethanolamine salt (PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8	--
7		Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-$N(C_2H_5)_4$)	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-$N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8	--
9		TetrabutylAmmonium perfluorooctanesulfonate (PFOS-$N(C_4H_9)_4$)	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-$NH(C_2H_5)_3$)	54439-46-2	--
15		Tetramethylammonium perfluorooctane sulfonate (PFOS-$N(CH_3)_4$)	56773-44-5	--
16		N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$N(C_3H_7)_3(C_5H_{11})$)	56773-56-9	--
17		N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$N(C_4H_9)_3(CH_3)$)	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-P $(C_4H_9)_4$))	2185049-59-4	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
46		Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0	--
47		Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH_4)	76752-72-2	--
48		Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-$C_6H_{15}N$)	76752-82-4	--
49	PFOA, its salts & derivatives	Perfluorooctanoic acid (PFOA)	335-67-1	0.010
50		Sodium perfluorooctanoate (PFOA-Na)	335-95-5	--
51		Potassium perfluorooctanoate (PFOA-K)	2395-00-8	--
52		Silver perfluorooctanote (PFOA-Ag)	335-93-3	--
53		Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	--
54		Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	--
55		Lithium perfluorooctanoate (PFOA-Li)	17125-58-5	--
56		Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6	--
57		Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9	--
58		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	--
59		Pentadecafluorooctanoic acid--piperazine (2/1) (PFOA-$NH(C_4H_{10}N)$)	423-52-9	--
60		Pentadecafluorooctanoate (anion)	45285-51-6	--
61		Perfluorooctanoic Anhydride	33496-48-9	--
62		N,N,N-Triethylethanaminium perfluorooctanoate	98241-25-9	--
63		Perfluorooctanoate N,N,N-Trimethylmethanaminium	32609-65-7	--
64		Tetrapropylammonium perfluorooctanoate	277749-00-5	--
65		Potassium pentadecafluorooctanoate--water (1/1/2) (PFOA-$K(H_2O)_2$)	98065-31-7	--
66		Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C_2H_7N)	1376936-03-6	--
67		Pentadecafluorooctanoic acid--pyridine (1/1) (PFOA-C_5H_5N)	95658-47-2	--
68		pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-$C_{10}H_{14}N_2$)	1514-68-7	--
69		N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-$C_{11}H_{26}N$)	927835-01-6	--
70		Pentadecafluorooctanoyl chloride (PFOA-Cl)	335-64-8	--
71		Perfluorooctanoyl Bromide (PFOA-Br)	222037-87-8	--
72	8:2 FTS, its salts	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	0.010
73		Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)	438237-73-1	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
74		Ammonium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-NH_4)	149724-40-3	--
75		Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-Na)	27619-96-1	--
76		2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))	481071-78-7	--
77		2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl)	27619-90-5	--
78	--	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	0.200
79	--	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	0.200
80	--	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	0.100
81	--	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	0.100
82	--	Perfluoro-1-iodooctane (PFOI)	507-63-1	0.200
83	8:2 FTCA, its salts	2H,2H-Perfluorodecane Acid (8:2 FTCA)	27854-31-5	0.010
84		Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C_4H_9)$_4$)	882489-14-7	--
85	--	1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	0.100
86	--	1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI)	2043-53-0	0.100
87	--	1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC_2H_5)$_3$)	101947-16-4	0.100
88	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
89		Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6	--
90		Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate	57677-97-1	--
91		Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH_4)	93776-20-6	--
92		8:2 Fluorotelomer phosphate diester ion (1-)	1411713-91-1	--
93	8:3 FTCA, its salts	2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)	34598-33-9	0.010
94		Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)	83310-58-1	--
95		2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)	67304-23-8	--
96	--	1H,1H,2H-Heptadecafluoro-1-decene (PFDE)	21652-58-4	0.200
97	--	3-Perfluoroheptyl propanoic acid (7:3 FTCA)	812-70-4	0.010
98	--	1H,1H,2H,2H-Perfluorodecyltrichlorosilane	78560-44-8	0.100
99	--	1H,1H,2H,2H-Perfluorodecyltrimethoxysilane	83048-65-1	
100	--	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	0.010
101	--	6:8 Perfluorophosphinic acid (6:8 PFPi)	610800-34-5	0.010

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127		Nonanoic acid, heptadecafluoro-, compd. with cyclohexanamine (1:1) (9CI) (PFNA-$NH_3(C_6H_{11})$)	328531-06-2	--
128		Perfluorononanoate (anion)	72007-68-2	--
129		4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate (PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0	--
130		Perfluorononanoic anhydride (PFNAA)	228407-54-3	--
131		Perfluorononanoyl chloride (PFNA-Cl)	52447-23-1	--
132		Perfluorononanoyl fluoride (PFNA-F)	558-95-2	--
133		Heptadecafluorononanoyl Bromide (PFNA-Br)	261503-42-8	--
134	PFDA, its salts	Perfluorodecane Acid (PFDA)	335-76-2	0.010
135		Sodium perfluorodecanoate (PFDA-Na)	3830-45-3	--
136		Perfluorodecanoate ammonium salt (PFDA-NH_4)	3108-42-7	--
137		Potassium perfluorodecanoate (PFDA-K)	51604-85-4	--
138		Silver perfluorodecanoate (PFDA-Ag)	5784-82-7	--
139		Lithium perfluorodecanoate (PFDA-Li)	84743-32-8	--
140		Perfluorodecanoate (anion)	73829-36-4	--
141		Perfluorodecanoic anhydride (PFDAA)	942199-24-8	--
142		Nonadecafluorodecanoyl chloride (PFDA-Cl)	307-38-0	--
143		Nonadecafluorodecanoyl Fluoride (PFDA-F)	--	--
144	PFUnDA, its salts	Perfluoroundecanoic Acid (PFUnDA)	2058-94-8	0.010
145		Perfluoroundecanoic acid sodium salt (PFUnDA-Na)	60871-96-7	--
146		Ammonium perfluoroundecanoate (PFUnDA-NH_4)	4234-23-5	--
147		Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8	--
148		Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2	--
149		Perfluoroundecanoate (anion)	196859-54-8	--
150	PFDoDA, its salts	Perfluorododecanoic Acid (PFDoDA)	307-55-1	0.010
151		Ammonium tricosafluorododecanoate (PFDoDA-NH_4)	3793-74-6	--
152		Perfluorododecanoate (anion)	171978-95-3	--
153	PFTrDA, its salts	Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.010
154		Ammonium perfluorotridecanoate (PFTrDA-NH_4)	4288-72-6	--
155		Sodium perfluorotridecanoate (PFTrDA-Na)	60872-01-7	--
156		Perfluorotridecanoate (anion)	862374-87-6	--
157	PFTDA, its salts	Perfluorotetradecanoic Acid (PFTDA)	376-06-7	0.010
158		Perfluorotetradecanoate (anion)	365971-87-5	--
159	--	Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6	0.010

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160	PFDS, its salts	Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.010
161		Sodium perfluorodecanesulfonate (PFDS-Na)	2806-15-7	--
162		Potassium perfluorodecanesulfonate (PFDS-K)	2806-16-8	--
163		Ammonium perfluorodecanesulfonate (PFDS-NH_4)	67906-42-7	--
164		Perfluorodecane sulfonate (anion)	126105-34-8	--
165		Perfluorodecane sulfonic anhydride (PFDSA)	51667-62-0	--
166		Perfluorodecanesulphonyl fluoride (PFDS-F)	307-51-7	--
167		Perfluorodecanesulphonyl chloride (PFDS-Cl)	32779-61-6	--
168	--	1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	0.100
169	--	1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	0.100
170	--	1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	0.100
171	--	1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	0.100
172	10:2 FTS, its salts	1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	0.100
173		1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium (10:2 FTS-Na)	108026-35-3	--
174		2-(Perfluorodecyl)ethane-1-sulfonyl chloride (10:2 FTS-Cl)	27619-91-6	--
175	--	1,1,2,2-Tetrahydroperfluorododecyl iodide (10:2 FTI)	2043-54-1	0.100
176	--	1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	0.100
177	PFNS, its salts	Perfluoro nonane sulfonic acid (PFNS)	68259-12-1	0.010
178		Sodium perfluoro-1-nonanesulfonate (PFNS-Na)	98789-57-2	--
179		ammonium nonadecafluorononanesulphonate (PFNS-NH_4)	17202-41-4	--
180		Potassium perfluorononanesulfonate (PFNS-K)	29359-39-5	--
181		Perfluorononane sulfonate (anion)	474511-07-4	--
182		Perfluorononanesulfonyl fluoride (PFNS-F)	68259-06-3	--
183	PFUnDS, its salts	Perfluoroundecane sulfonic acid (PFUnDS)	749786-16-1	0.010
184		Perfluoroundecanesulfonate (anion)	441296-91-9	--
185	PFDoDS, its salts	Perfluorododecanesulfonic acid (PFDoDS)	79780-39-5	0.010
186		Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)	1260224-54-1	--
187		Potassium perfluorododecanesulfonate (PFDoDS-K)	85187-17-3	--
188		Perfluorododecane sulfonate (anion)	343629-43-6	--
189		Perfluorotridecane sulfonic acid (PFTrDS)	791563-89-8	0.010

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190	PFTrDS, its salts	Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)	174675-49-1	--
191	10:2 diPAP, its salts	10:2 Fluortelomerphosphatediester (10:2 diPAP)	1895-26-7	0.100
192		Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-$C_4H_{11}O_2$)	57677-98-2	--
193	--	Perfluorodecyl iodide (PFDI)	423-62-1	0.100
194	--	Perfluorododecyl iodide (PFDoDI)	307-60-8	0.100
195	--	2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA)	70887-94-4	0.010
196	--	2-Perfluorodecyl ethanoic acid (10:2 FTCA)	53826-13-4	0.010
197	--	1H,1H,2H,2H-perfluorododecyl acetate (10:2 FTOAc)	37858-05-2	0.100
198	PFHxS, its salts & derivatives	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	0.010
199		Perfluorohexanesulfonate Na-salt (PFHxS-Na)	82382-12-5	--
200		Perfluorohexanesulfonate K-salt (PFHxS-K)	3871-99-6	--
201		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	--
202		Ammonium perfluorohexane-1-sulphonate (PFHxS-NH_4)	68259-08-5	--
203		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	--
204		N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate(PFHxS-$N(C_4H_9)_4$)	108427-54-9	--
205		N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate(PFHxS-$N(C_2H_5)_4$)	108427-55-0	--
206		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	--
207		Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (Calculated in terms of PFHxS) (PFHxS-$(NC_{10}H_{14})_3C_5H_4$)	1310480-24-0	--
208		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	--
209		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-	1310480-28-4	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
		tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$(NC_8H_{10})_2C_{17}H_{12}$)		
210		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	--
211		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	--
212		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	--
213		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	--
214		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	--
215		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	--
216		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	--
217		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	--
218		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	--
219		Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-$S(C_7H_7)_2C_6H_5$)	341548-85-4	--
220		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	--
221		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	--
222		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	--
223		Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-	421555-73-9	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
		hexanesulfonic acid (1:2)(PFHxS-$S_3(C_6H_5)_4(C_6H_4)_2$)		
224		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	--
225		Perflurohexane sulphonyl fluoride(PFHxS-F)	423-50-7	--
226		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	--
227		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)	70136-72-0	--
228		Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)(PFHxS-$NH(C_2H_5O)_2$)	70225-16-0	--
229		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	--
230		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	--
231		Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-$S(C_6H_5)_2C_7H_7$)	910606-39-2	--
232		Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,67tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$S(C_6H_5)_2C_{10}H_9O_2$)	911027-68-4	--
233		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	--
234		Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$SC_{28}H_{31}O_4$)	928049-42-7	--
235		Perfluorohexylsulfonyl chloride (PFHxS-Cl)	55591-23-6	--
236		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	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
237		Perfluorohexane sulfonate (anion)	108427-53-8	--
238		Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P ($C_4H_9)_4$))	2310194-12-6	--
239	--	N-Methylperfluoro-1-hexanesulfonamide (N-Me-PFHxSA)	68259-15-4	0.010
240	--	Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	0.010
241	--	N-[3-(dimethylamino)propyl] tridecafluorohexanesulphonamide (N-AP-FHxSA)	50598-28-2	0.010
242	--	2-[methyl[(tridecafluorohexyl) sulphonyl]amino]ethyl acrylate)) (N-MeFHSEA)	67584-57-0	0.200
243	--	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
244	--	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
245	--	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
246	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
247		Potassium N-ethyl-n-[(tridecafluorohexyl)sulfonyl]glycinate (EtFHxSAA-K)	67584-53-6	--
248		Sodium N-ethyl-N-((tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA-Na)	68555-70-4	--
249	PFHxA, its salts & derivatives	Perfluorohexane Acid (PFHxA)	307-24-4	0.010
250		Ammonium perfluorohexanoate (APFHx)	21615-47-4	--
251		Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4	--
252		Potassium perfluorohexanoate (PFHxA-K)	3109-94-2	--
253		Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4	--
254		Silver perfluorohexanoate (PFHxA-Ag)	336-02-7	--
255		Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8	--
256		Perfluorohexanoic anhydride	308-13-4	--
257		Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8CI,9CI)	423-47-2	--
258		Perfluorohexanoate (anion)	92612-52-7	--
259		Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5	--
260		Perfluorohexanoyl bromide (PFHxA-Br)	1404193-66-3	--
261		Undecafluorohexanoic acid--hexan-1-amine (1/1) (PFHxA-$C_6H_{15}N$)	565225-91-4	--
262		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	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
263	--	1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	0.100
264	--	1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	0.400
265	--	1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	0.200
266	6:2 FTS, its salts	1H,1H,2H,2H-Perfluorooctanesulphonic acid (6:2 FTS)	27619-97-2	0.010
267		Sodium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-Na)	27619-94-9	--
268		Potassium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-K)	59587-38-1	--
269		Ammonium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-NH_4)	59587-39-2	--
270		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	--
271		2-(Perfluorohexyl)ethane-1-sulfonate (6:2FTS(anion))	425670-75-3	--
272		2-(Perfluorohexyl)ethanesulfonyl chloride (6:2 FTS-Cl)	27619-89-2	--
273		2-(Perfluorohexyl)ethanesulfonyl fluoride (6:2 FTS-F)	--	--
274	--	1H,1H,2H,2H-Perfluorooctyltriethoxysilane (6:2 FTSi(OC_2H_5)$_3$)	51851-37-7	0.500
275	--	1H,1H,2H,2H-Perfluorooctyltrichlorosilane	78560-45-9	0.200
276	--	1H,1H,2H,2H-Perfluorooctyltrimethoxysilane (6:2 FTSi(OCH_3)$_3$)	85857-16-5	
277	--	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-iodohexane (PFHx-I)	355-43-1	0.200
278	--	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodononane	38550-34-4	0.200
279	--	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
280	--	thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester	26650-09-9	0.200
281		6:2 Fluorotelomer phosphate monoester (6:2 monoPAP)	57678-01-0	0.100
282				

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
288	6:2 FTPA, its salts	Perfluorohexyl ethylphosphonic acid (6:2 FTPA)	252237-40-4	0.100
289		Tridecafluorooctyl-phosphonic acid sodium salt (1:1) (Cheminox FHP_2OH-Na(PFHXPA-Na))	1189052-95-6	--
290	--	1-hexanol, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro- (5:1 FTOH)	423-46-1	0.200
291	--	2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-ol (6:1 FTOH)	375-82-6	0.200
292	--	4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononan-1-ol (6:3 FTOH)	80806-68-4	0.200
293	--	3,3,4,4,5,5,6,6,7,7,7-undecafluoro-2-heptanol (5:2 sFTOH)	914637-05-1	0.200
294	--	1-(perfluorohexyl)octane (F_6H_8)	133331-77-8	0.200
295	--	1H,1H-Tridecafluoroheptylamine (6:1 $FTNH_2$)	423-49-4	0.200
296	--	2H-Perfluoro-2-octenoic acid (6:2 FTUCA)	70887-88-6	0.010
297	6:6 PFPi, its salts	6:6 Perfluorophosphinic acid (6:6 PFPi)	40143-77-9	0.010
298		Bis(perfluorohexyl)phosphinic acid sodium salt (6:6 PFPi-Na)	70609-44-8	--
299		Bis(perfluorohexyl) phosphinic acid ytterbium(3+) salt (6:6 PFPi-Yb)	500776-72-7	--
300		Bis(perfluorohexyl) phosphinic acid erbium(3+) salt (6:6 PFPi-Er)	500776-73-8	--
301		Perfluorobutane Acid (PFBA)	375-22-4	0.010
302		Ammonium perfluorobutanoate (PFBA-NH_4		

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
341		Pyridinium, 1-ethyl-3-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1015420-87-7	--
342		1H-Imidazolium, 1-methyl-3-octyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	905972-83-0	--
343		1H-Imidazolium, 3-hexyl-1-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1001557-05-6	--
344		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	--
345		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	--
346		1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	124472-66-8	--
347		1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1) (PFBS-Zn)	502457-69-4	--
348		1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	56773-55-8	--
349		Perfluorobutanesulfonic acid tetramethylammonium salt (PFBS-N(CH_3)$_4$)	25628-17-5	--
350		1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, 1,1'-anhydride	36913-91-4	
351		Perfluorobutane sulfonate (anion)	45187-15-3	--
352		1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate	EC: 468-770-4	--
353		Triethylammonium perfluorobutane sulfonate	182059-38-7	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
393		Perfluoroheptane sulfonic anhydride (PFHpSA)	140429-92-1	--
394		Perfluoroheptanesulfonyl fluoride (PFHpS-F)	335-71-7	--
395		Perfluoroheptanesulfonyl chloride(PFHpS-Cl)	33018-82-5	--
396	PFHpA, its salts	Perfluoroheptane Acid (PFHpA)	375-85-9	0.010
397		Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5	--
398		Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5	--
399		Ammonium perfluoroheptanoate (PFHpA-NH_4)	6130-43-4	--
400		Cesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6	--
401		Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5	--
402		Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1	--
403		Perflluoroheptanoate (anion)	120885-29-2	--
404		Perfluoroheptanoic anhydride (PFHpAA)	78225-99-7	--
405		Perfluoroheptanoyl chloride (PFHpA-Cl)	52447-22-0	--
406		Perfluoroheptanoyl fluoride (PFHpA-F)	375-84-8	--
407	HFPO-DA, its salts & derivatives	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid (HFPO-DA)	13252-13-6	0.010
408		2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, ammonium salts (HFPO-DA-NH_4)	62037-80-3	--
409		2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, K- salts (HFPO-DA-K)	67118-55-2	--
410		2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its acyl halides (HFPO-DA-F)	2062-98-8	--
411		Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-	75579-39-4	--
412		Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-	75579-40-7	--
413		Sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	67963-75-1	--
414		Perfluoro(2-propoxypropanoate)	122499-17-6	--
415		2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid--N-propylpropan-1-amine (1/1)	165951-17-7	--
416		Triethylaminium perfluoro-2-propoxypropanoate	165951-18-8	--
417		4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	298703-31-8	--
418		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	--
419	4:2 FTS, its salts	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	0.010
420		1H,1H,2H,2H-perfluorohexane sulfonate acid sodium salt	27619-93-8	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
448	9Cl-PF_3ONS, its salts	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF_3ONS)	756426-58-1	0.010
449		Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF_3ONS-K)	73606-19-6	--
450		Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF_3ONS-NH_4)	1383434-28-3	--
451		Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonate) (9Cl-PF_3ONS(anion))	1621485-21-9	--
452	11Cl-PF_3OUdS, its salts	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF_3OUdS)	763051-92-9	0.010
453		Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF_3OUdS-K)	83329-89-9	--
454		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	--
455	PFEESA, its salts	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.010
456		Potassium perfluoro(2-ethoxyethane) sulfonate (PFEESA-K)	117205-07-9	--
457		Sodium perfluoro(2-ethoxyethane) sulfonate (PFEESA-Na)	113507-87-2	--
458	3:3 FTCA, its salts	3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	0.010
459		4,4,5,5,6,6,6-Heptafluorohexanoate (3:3 FTCA(anion))	1169706-83-5	--
460		Sodium 3-(perfluoropropyl)propanoate (3:3 FTCA-Na)	1207462-13-2	--
461	PFPeDA, its salts	Perfluoropentadecanoic Acid (PFPeDA)	141074-63-7	0.100
462		Nonacosafluoropentadecanoate (PFPeDA(anion))	1214264-29-5	--
463	--	1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA)	1799-84-4	0.200
464	--	2-(N-ethylperfluorooctanesulfamido) ethyl acrylate (EtFOSAC)	423-82-5	0.200
465	--	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane (6:2 FTI)	2043-57-4	0.200
466	--	Perfluorobutane sulfon amides (PFBSA)	30334-69-1	0.100
467	--	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
468	11H-PFUnDA, its salts	11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6	0.100
469		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	--
470		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	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
471		11-H-Perfluoroundecanoate (11H-PFUnDA(anion))	69681-37-4	--
472		Pentafluoropropionic acid (PFPrA)	422-64-0	0.100
473		Sodium pentafluoropropionate (PFPrA-Na)	378-77-8	--
474		Silver pentafluoropropionate (PFPrA-Ag)	509-09-1	--
475		Potassium pentafluoropropionate (PFPrA-K)	378-76-7	--
476		Ammonium pentafluoropropionate (PFPrA-NH_4)	2730-58-7	--
477		Perfluoropropanoate (PFPrA(anion))	44864-55-3	--
478				

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
497		Zinc(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Zn)	168106-25-0	--
498		Manganese(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Mn)	207861-55-0	--
499		Nickel bis(trifluoromethylsulfonyl)imide ($(TFSI)_2$-Ni)	207861-63-0	--
500		Copper(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Cu)	162715-14-2	--
501		(OC-6-11)-Tris(1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl-kappaO) methanesulfonamidato-kappaO)iron ($(TFSI)_3$-Fe)	207861-59-4	--
502		Copper(II) trifluoromethanesulfonimide xhydrate ($(TFSI)_2$-CuH_2O)	1334406-76-6	--
503		Silver Bis(trifluoromethanesulfonyl)imide (TFSI-Ag)	189114-61-2	--
504		Copper bis(trifluoromethylsulfonyl)imide (TFSI-Cu)	291300-50-0	--
505		Barium(II) Bis(trifluoromethanesulfonyl)imide ($(TFSI)_2$-Ba)	168106-22-7	--
506		Strontium bis(trifluoromethylsulfonyl)imide	862121-57-1	--
507		1-Methylimidazole Bis(trifluoromethanesulfonyl)imide	353239-08-4	--
508		1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide	174899-82-2	--
509		1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide	169051-76-7	--
510		Magnesium bis(trifluoromethylsulfonyl)imide (TFSI-Mg)	133395-16-1	--
511		1-Methyl-3-propylimidazolium Bis(trifluoromethanesulfonyl)imide	216299-72-8	--
512		1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide	623580-02-9	--
513		1-Methyl-3-n-octylimidazolium Bis(trifluoromethanesulfonyl)imide	178631-04-4	--
514		Tris[bis(trifluoromethylsulfonyl)amino] ytterbium ($(TFSI)_3$-Yb)	175438-43-4	--
515		Butyltrimethylammonium bis(trifluoromethylsulfonyl)imide	258273-75-5	--
516		Cobalt bis(trifluoromethylsulfonyl)imide ($(TFSI)_2$-Co)	207861-61-8	--
517		Potassium Bis(trifluoromethanesulfonyl)imide (TFSI-K)	90076-67-8	--
518		1-Methyl-1-propylpiperidin-1-ium Bis((trifluoromethyl)sulfonyl)amide	608140-12-1	--
519		1-Ethyl-2,3-dimethylimidazolium Bis(trifluoromethanesulfonyl)imide	174899-90-2	--
520		1-Methyl-1-propylpyrrolidinium Bis(trifluoromethanesulfonyl)imide	223437-05-6	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
545		Scandium trifluoromethanesulfonate (TFMS-Sc)	144026-79-9	--
546		Trifluoromethanesulfonic anhydride	358-23-6	--
547		Lithium trifluoromethanesulfonate (TFMS-Li)	33454-82-9	--
548		Copper(II) trifluoromethanesulfonate (TFMS-Cu)	34946-82-2	--
549		Barium trifluoromethanesulfonate (TFMS-Ba)	2794-60-7	--
550		Cerium(IV) trifluoromethanesulfonate (TFMS-Ce)	107792-63-2	--
551		Magnesium trifluoromethanesulfonate (TFMS-Mg)	60871-83-2	--
552		Potassium trifluoromethanesulfonate (TFMS-K)	2926-27-4	--
553		Nickel(II) Trifluoromethanesulfonate (TFMS-Ni)	60871-84-3	--
554		Tin(II) trifluoromethanesulfonate (TFMS-Sn)	62086-04-8	--
555		Yttrium(III) trifluoromethanesulfonate (TFMS-Y)	52093-30-8	--
556		Iron(III) trifluoromethanesulfonate (TFMS-Fe)	63295-48-7	--
557		Cerium(III) Trifluoromethanesulfonate (TFMS-Ce)	76089-77-5	--
558		Tetrabutylammonium trifluoromethanesulfonate	35895-70-6	--
559		Methyltrioctylammonium trifluoromethanesulfonate	121107-18-4	--
560		Imidazole trifluoromethanesulfonate	29727-06-8	--
561		Trifluoroacetyl Trifluoromethanesulfonate	68602-57-3	--
562		Lanthanum(III) trifluoromethanesulfonate(TFMS-La)	52093-26-2	--
563		Indium(III) trifluoromethanesulfonate(TFMS-In)	128008-30-0	--
564		Samarium(III) trifluoromethanesulfonate(TFMS-Sm)	52093-28-4	--
565		Ytterbium(III) trifluoromethanesulfonate(TFMS-Yb)	54761-04-5	--
566		Thulium(III) trifluoromethanesulfonate(TFMS-Tm)	141478-68-4	--
567		Tetraethylammonium trifluoromethanesulfonate	35895-69-3	--
568		1-Fluoro-3,5-dichloropyridinium triflate	107264-06-2	--
569		Triethylamine salt of trifluoromethanesulfonic acid	646-58-2	--
570		Triphenylphosphonium anhydride triflate	72450-51-2	--
571		N,N-Diethyl-6-(diethylamino)-9-(2-(methoxycarbonyl)phenyl)-3H-xanthene-3-ylideneammonium trifluoromethanesulfonate	120611-30-5	--
572		Diphenylammonium Trifluoromethanesulfonate	164411-06-7	--
573		1-(3-aminoazetidin-1-yl)prop-2-en-1-one, trifluoromethanesulfonic acid	2060047-56-3	--
574		Guanidine trifluoromethanesulfonic acid	153756-25-3	--
575		Trifluoromethanesulfonic acid--1-ethyl-1H-imidazole (1/1)	501693-46-5	--
576		Ruthenium(3+), (OC-6-22)-, salt with trifluoromethanesulfonic acid (1:3)	74468-24-9	--

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
577		O-Pivaloylhydroxylamine trifluoromethanesulfonate	1293990-73-4	--
578		Trifluoromethanesulfonyl chloride	421-83-0	--
579		(2-Pyridylmethyl)sulfonyl chloride triflate	882564-09-2	--
580		Trifluoromethanesulfonyl bromide	15458-53-4	--
581		Mercury(II) trifluoromethanesulfonate(TFMS-Hg)	49540-00-3	--
582		Dysproum QQQQQQ89102.84999847 0 cm3.25 2g		

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
605		(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)(phenyl)iodanium trifluoromethanesulfonate	82959-18-0	--
606		Triethylmethylammonium triflate	90756-35-7	--
607		Pentafluoroanilinium trifluoromethanesulfonate	912823-79-1	--
608		Tributylmethylammonium trifluoromethanesulfonate	944557-37-3	--
609	PFPrS, its salts	Perfluoropropate sulfonic acid (PFPrS)	423-41-6	0.010
610		Perfluoropropanesulfonic acid sodium salt (PFPrS-Na)	359868-82-9	--
611	--	1-pefluoroheptyl ethanol (7:2 secondary) (7:2sFTOH)	24015-83-6	0.200
612	--	4:2 Fluorotelomer iodide (4:2 FTI)	2043-55-2	0.200
613	PFHpSi, its salts	Perfluoroheptane-1-sulfinic acid (PFHpSi)	769067-51-8	0.010
614		1-heptanesulfinic Acid Sodium Salt (PFHpSi-Na)	68555-66-8	--
615	PFOPA, its salts	Perfluorooctyl phosphoic acid (PFOPA)	40143-78-0	0.010
616		(Heptadecafluorooctyl)phosphonic acid-4-methylaniline (1/1)	1263361-03-0	--
617	--	1H,1H-Perfluorooctylamine (7:1 $FTNH_2$)	307-29-9	0.200
618	--	Perfluoroheptanamide ($PFHpA-NH_2$)	2358-22-7	0.100
619	--	Perfluorobutyramide ($PFBA-NH_2$)	662-50-0	0.200
620	--	1H,1H,2H,2H-Nonafluorohexyl acrylate (4:2 FTA)	52591-27-2	0.200
621	--	N-methylperfluoro-1-butanesulfonamide (MeFBSA)	68298-12-4	0.010
622	--	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
623	TFA, its salts	Trifluoroacetic acid (TFA)	76-05-1	1.000
624		Sodium trifluoroacetate (TFA-Na)	2923-18-4	--
625		Thallium(III) trifluoroacetate (TFA-Tl)	23586-53-0	--
626		Lithium Trifluoroacetate (TFA-Li)	2923-17-3	--
627		Silver trifluoroacetate (TFA-Ag)	2966-50-9	--
628		Cesium Trifluoroacetate (TFA-Cs)	21907-50-6	--
629		Potassium trifluoroacetate (TFA-K)	2923-16-2	--
630		Ammoniumtrifluoroacetate ($TFA-NH_4$)	3336-58-1	--
631		Mercury(II) trifluoroacetate (TFA-Hg)	13257-51-7	--
632		Palladium(II) trifluoroacetate (TFA-Pd)	42196-31-6	--
633		Trifluoroacetate / Trifluoroacetic acid anion(TFA anion)	14477-72-6	--
634		Dimethyl[(trifluoroacetyl)oxy]sulfanium trifluoroacetate	57738-66-6	--

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635		Aluminium tris(trifluoroacetate)(TFA-Al)	36554-89-9	--
636		Barium bis(trifluoroacetate)(TFA-Ba)	60884-92-6	--
637		Erbium tris(trifluoroacetate)(TFA-Er)	70236-99-6	--
638		Indium trifluoroacetate(TFA-In)	36554-90-2	--
639		Lanthanum tris(trifluoroacetate)(TFA-La)	70236-92-9	--
640		Nickel(2+) trifluoroacetate(TFA-Ni)	16083-14-0	--
641		Lead(II) trifluoroacetate(TFA-Pb)	4146-73-0	--
642		Acetic acid, trifluoro-, rhodium(2+) salt(TFA-Rh)	72654-51-4	--
643		Thulium tris(trifluoroacetate)(TFA-Tm)	70237-00-2	--
644		Ytterbium(3+) tris(trifluoroacetate)(TFA-Yb)	87863-62-5	--
645		Zinc bis(trifluoroacetate)(TFA-Zn)	21907-47-1	--
646		Ruthenium(II) 2,2,2-trifluoroacetate(TFA-Ru)	61612-84-8	--
647		Magnesium 2,2,2-trifluoroacetate(TFA-Mg)	123333-72-2	--
648		Copper(2+) trifluoroacetate(TFA-Cu)	123333-88-0	--
649		Methyltrioctylammonium trifluoroacetate	121107-16-2	--
650		Chromium(3+) tris(trifluoroacetate)(TFA-Cr)	16712-29-1	--
651		Tetraethylammonium trifluoroacetate(TFA-$N(C_2H_5)_4$)	30093-29-9	--
652		Tetrabutylammonium trifluoroacetate(TFA-$N(C_4H_9)_4$)	39481-22-6	--
653		Europium(3+) trifluoroacetate-water (1/3/3)(TFA-$Eu.H_2O$)	94079-71-7	--
654	BETI, its salts	Bis(pentafluoroethylsulfonyl)imide	152894-10-5	0.020
655		Lithium Bis(pentafluoroethanesulfonyl)imide	132843-44-8	--
656		Bis(perfluoroethylsulfonyl)imide anion	129318-46-3	--
657		Sodium bis((perfluoroethyl)sulfonyl)amide	152894-04-7	--
658		Potassium bis((perfluoroethyl)sulfonyl)amide	221203-22-1	--
659		1-Ethyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide	216299-76-2	--
660	--	Perfluoro-2-ethoxypropanoic acid(PEPA)	267239-61-2	0.010
661	PFDPA, its salts	Perfluorodecylphosphonic acid (PFDPA)	52299-26-0	0.010
662		Perfluorodecylphosphonic Acid 4-Methylbenzamine	--	--
663		Perfluorodecylphosphonic Acid Di-4-toluidine Salt	--	--
664	PFHxPA, its salts	Perfluorohexyl phosphonic acid	40143-76-8	0.010
665		Perfluorohexylphosphonic Acid 4-Methylbenzamine	1263361-02-9	--
666	--	((Perfluorooctyl)ethyl)phosphonic acid	80220-63-9	0.020
667	--	3-(Perfluorobutyl)propanoic acid	80705-13-1	0.010

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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
668	--	Perfluoro-3,6,9-trioxaundecane-1,11-dioic acid	55621-18-6	0.020
669	--	Perfluorononanedioic acid	23453-64-7	0.020
670	--	Perfluorooctanedioic acid	678-45-5	0.020
671	--	Perfluamine	338-83-0	10.000

(2) For textile and leather, 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
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

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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 can not 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 GC-MS or GC-MS/MS or HPLC-MS/MS analysis reflect only extractable PFAS.

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Sample photos:

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