Test Report

Report No. A2260645931101003 Page 1 of 22

Company Name shown on Report	DONGGUAN DONGSHANG SPONGE PRODUCTS CO., LTD
Address	ROOM 101, BUILDING 3, NO. 9 NANTANG ROAD, CHASHAN TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	Sponge
Sample Received Date	Jul. 29, 2026
Testing Period	Jul. 29, 2026 to Aug. 4, 2026

Test Conducted:

As requested by the applicant. For details refer to next page(s)

Approved by: Hill Zheng Date Aug. 4, 2026

Hill Zheng
Technical Manager

No. R294343209

Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

Executive Summary:

TEST REQUEST	CONCLUSION
Article 5(4) of Regulation (EU) 2025/40 Packaging and Packaging Waste Regulation (PPWR)	
- Heavy metals (Pb, Cd, Hg & Cr(VI))	**See test result(s)**
- Total fluorine test	**See test result(s)**
- Target Per- and Perfluoroalkyl and polyfluoroalkyl substances (PFAS) test	**See test result(s)**

********** For further details, please refer to the following page(s) **********

Article 5(4) of Regulation (EU) 2025/40 Packaging and Packaging Waste Regulation (PPWR)

▼**Heavy metals (Pb, Cd, Hg & Cr(VI))**

Test Method: IEC 62321-5:2013 & IEC 62321-4:2013+AMD1:2017 CSV & IEC 62321-7-2:2017;

Test Equipment: ICP-OES & UV-Vis

Tested Item(s)	Result (mg/kg)	MDL (mg/kg)	Limit
	003		
Lead (Pb)	N.D.	2	Total content (Pb + Cd + Hg + Cr(VI)) < 100 mg/kg
Cadmium (Cd)	N.D.	2	
Mercury (Hg)	N.D.	2	
Hexavalent Chromium (Cr(VI))	N.D.	8	

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

▼**Total fluorine test**

Test Method: Refer to EN 14582:2016; Test Equipment: IC

Tested Item(s)	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	003		
Perfluoroalkyl and polyfluoroalkyl substances (PFAS) (as Fluorine (F))	N.D.	10	50

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

▼**Target Per- and Perfluoroalkyl and polyfluoroalkyl substances (PFAS) test**#

Test Method: Refer to EN 17681-1:2025; Test Equipment: LC-MS-MS

No.	Tested Item(s)	CAS No.	Result (mg/kg)	MDL (mg/kg)
			003	
-	All tested PFAS (See the list of PFAS)	-	N.D.	-

Remark:

- The table of tested result(s) only shows detected PFAS, and PFAS that below MDL are not reported. Please refer to the List of PFAS on next pages.
- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The requirement of (EU) 2025/40 Packaging and Packaging Waste Regulation: for food-contact packaging, any targeted PFAS shall below 0.025 mg/kg, the sum of targeted PFAS shall below 0.250 mg/kg.
- According to (EU) 2025/40 Packaging and Packaging Waste Regulation, Perfluoroalkyl and polyfluoroalkyl substances (PFAS) are defined as a class of chemicals. There is not an official list of PFAS. Conclusion is based on the PFAS tested per client's requirement.

Test Report

List of PFAS

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
1	PFOS and its salts	Perfluorooctane Sulfonates (PFOS)	1763-23-1	0.010
2		Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3	--
3		Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	--
4		Sodium perfluorooctane sulfonate (PFOS-Na)	4021-47-0	--
5		1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, magnesium salt (2:1) (PFOS-Mg)	91036-71-4	--
6		Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH_4)	29081-56-9	--
7		Perfluorooctane sulfonate diethanolamine salt (PFOS-$NH(OH)_2$)	70225-14-8	--
8		Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-$N(C_2H_5)_4$)	56773-42-3	--
9		Tetrabutylammonium perfluorooctanesulfonate (PFOS-$NH(C_{16}H_{36})$)	111873-33-7	--
10		Didecyl dimethyl ammonium perfluorooctane sulfonate (PFOS-DDA)	251099-16-8	--
11		Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6	--
12		Tetramethylammonium perfluorooctane sulfonate (PFOS-$C_4H_{12}N$)	56773-44-5	--
13		Perfluorooctanesulfonic acid diethylamine salt (PFOS-$C_4H_{11}N$)	2205029-08-7	--
14		Triethylammonium perfluorooctane sulfonate (PFOS-$C_6H_{15}N$)	54439-46-2	--
15		N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$C_{13}H_{30}N$)	124472-68-0	--
16		N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$C_{14}H_{32}N$)	56773-56-9	--
17		Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-$C_{16}H_{36}P$)	2185049-59-4	--
18		Heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3	--
19		Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1) (PFOS-$C_{20}H_{26}I$)	213740-80-8	--
20		Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate (PFOS-$C_{21}H_{21}S$)	258341-99-0	--
21		1-Hexadecylpyridinium perfluoro-1-octanesulfonate (PFOS-$C_{21}H_{38}N$)	334529-63-4	--
22		Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7	--
23		N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-$C_{16}H_{36}N$)	773895-92-4	--
24		Perfluorooctanesulfonate (PFOS (anion))	45298-90-6	--
25		Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9	--
26		Bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate); ytterbium(2+) (PFOS-Yb^{2+})	-	--
27		Silver perfluorooctanesulfonate (PFOS-Ag)	-	--
28		Tris(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate); indium(3+) (PFOS-In^{3+})	-	--
29		Cadmium(2+);bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate) (PFOS-Cd^{2+})	-	--
30		ZINC 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-Zn^{2+})	-	--
31		Bis(cyclopentadienyl radical) titanium perfluorooctanesulfonate (PFOS-$(C_5H_5)_2Ti$)	-	--
32		Bis(cyclopentadienyl radical) zirconium perfluorooctanesulfonate (PFOS-$(C_5H_5)_3Zr$)	-	--

Test Report

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
33		Bis(cyclopentadienyl radical) titanium perfluorooctanesulfonate tetrahydrofuran hydrate (PFOS-$(C_5H_5)_2Ti \cdot TFH(H_2O)_2$)	-	--
34		Bis(cyclopentadienyl radical) hafnium perfluorooctanesulfonate hydrate (PFOS-$(C_5H_5)_2Hf_2 \cdot (H_2O)_6$)	-	--
35		Dimethyl-(4-methylphenyl)sulfanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-$C_9H_{13}S$)	-	--
36		Diethyl-(4-methylphenyl)sulfanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-$C_{11}H_{17}S$)	-	--
37		2-Aminoethanol;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonic acid (PFOS-C_2H_7NO)	-	--
38		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonate;3-methyl-1-(thian-1-ium-1-yl)butan-2-one (PFOS-$C_{10}H_{19}OS$)	-	--
39		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonate;(4-hydroxy-3,5-dimethylphenyl)-dimethylsulfanium (PFOS-$C_{10}H_{15}OS$)	-	--
40		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonate; (4-methoxyphenyl)-dimethylsulfanium (PFOS-$C_9H_{13}OS$)	-	--
41		(4-Ethoxyphenyl)-dimethylsulfanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-(4-Ethoxyphenyl)-dimethylsulfanium)	-	--
42		Sulfanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-H_3S)	-	--
43		Diethyl-(4-hydroxyphenyl)sulfanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-Diethyl-(4-hydroxyphenyl)sulfanium)	-	--
44		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonate;thiolan-1-ium (PFOS-Tetrahydrothiophene)	-	--
45		Dimethyl-(2-oxocyclohexyl)sulfanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-Dimethyl-(2-oxocyclohexyl)sulfanium)	-	--
46		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonate;1-phenylthiolan-1-ium (PFOS-1-phenylthiolan-1-ium)	-	--
47		Bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate);mercury(2+) (PFOS-Hg^{2+})	-	--
48		Aluminum tris(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate) (PFOS-Al^{3+})	-	--
49		Gallium tris(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate) (PFOS-Ga^{3+})	-	--
50		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonate;thallium(1+) (PFOS-Tl)	-	--
51		Tert-butyl(phenyl)iodanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-Tert-butyl(phenyl)iodanium)	-	--
52		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonic acid;hydrochloride (PFOS-HCl)	-	--
53		Ethyl(tripropyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonic acid (PFOS-Ethyl(tripropyl)azanium)	-	--
54		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonic acid;methyl(tripropyl)azanium (PFOS-methyl(tripropyl)azanium)	-	--

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
55		3,3-Dimethyl-1-(thiolan-1-ium-1-yl)butan-2-one;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-3,3-Dimethyl-1-(thiolan-1-ium-1-yl)butan-2-one)	-	--
56		1-(3,3-Dimethylthiolan-1-ium-1-yl)butan-2-one;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-1-(3,3-Dimethylthiolan-1-ium-1-yl)butan-2-one)	-	--
57		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonic acid;tetramethylazanium (PFOS-tetramethylazanium)	-	--
58		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonate;1-(4-methylphenyl)thiolan-1-ium (PFOS-1-(4-methylphenyl)thiolan-1-ium)	-	--
59		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonate; tripropylazanium (PFOS-tripropylazanium)	-	--
60		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonic acid;scandium (PFOS-Sc)	-	--
61		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonate; tetrafluoroazanium (PFOS-tetrafluoroazanium)	-	--
62		Benzyl(trimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonic acid (PFOS-Benzyl(trimethyl)azanium)	-	--
63		1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluorooctane-1-sulfonic acid; trimethyl(phenyl)azanium (PFOS-trimethyl(phenyl)azanium)	-	--
64	--	Perfluoro-1-octanesulfonyl fluoride (PFOSF)	307-35-7	0.010
65	PFOA and its salts	Perfluorooctanoic acid (PFOA)	335-67-1	0.010
66		Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	--
67		Sodium perfluorooctanoate (PFOA-Na)	335-95-5	--
68		Potassium perfluorooctanoate (PFOA-K)	2395-00-8	--
69		Lithium perfluorooctanoate (PFOA-Li)	17125-58-5	--
70		Silver perfluorooctanoate (PFOA-Ag)	335-93-3	--
71		Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	--
72		Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9	--
73		Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6	--
74		Chromium(III) perfluorooctanoate (PFOA-Cr)	68141-02-6	--
75		N,N,N-Triethylethanaminium perfluorooctanoate (PFOA-NH(C_8H_{19}))	98241-25-9	--
76		Tetrapropylammonium perfluorooctanoate (PFOA-NH($C_{12}H_{27}$))	277749-00-5	--
77		Perfluorooctanoate N,N,N-Trimethylmethanaminium (PFOA-NH(C_4H_{11}))	32609-65-7	--
78		Pentadecafluorooctanoic acid-piperazine (2/1) (PFOA-NH($C_4H_{10}N$))	423-52-9	--
79		Potassium pentadecafluorooctanoate-water (1/1/2) (PFOA-K(H_2O)$_2$)	98065-31-7	--
80		Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C_2H_7N)	1376936-03-6	--
81		Pentadecafluorooctanoic acid-pyridine (1/1) (PFOA-C_5H_5N)	95658-47-2	--
82		Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-$C_{10}H_{14}N_2$)	1514-68-7	--
83		N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-$C_{11}H_{26}N$)	927835-01-6	--
84		Perfluorooctanoic Anhydride (PFOAA)	33496-48-9	--
85		Pentadecafluorooctanoate (anion) (PFOA (anion))	45285-51-6	--
86		Pentadecafluorooctanoyl chloride (PFOA-Cl)	335-64-8	--
87		Perfluorooctanoyl Bromide (PFOA-Br)	222037-87-8	--
88	PFOSA and its salts	Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.010
89		Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9	--
90		Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8	--
91		Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0	--

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
92		Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH_4)	76752-72-2	--
93		Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-$C_6H_{15}N$)	76752-82-4	--
94	PFHxA and its salts	Perfluorohexanoic acid (PFHxA)	307-24-4	0.010
95		Sodium undecafluorohexanoate (PFHxA-Na)	2923-26-4	--
96		Hexanoic acid, undecafluoro-, potassium salt (PFHxA-K)	3109-94-2	--
97		Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8	--
98		Silver perfluorohexanoate (PFHxA-Ag)	336-02-7	--
99		Ammonium perfluorohexanoate (PFHxA-NH_4)	21615-47-4	--
100		Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4	--
101		Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5	--
102		Perfluorohexanoic anhydride (PFHxAA)	308-13-4	--
103		Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8CI,9CI) (PFHxA-$C_4H_{10}N_2$)	423-47-2	--
104		Undecafluorohexanoic acid-hexan-1-amine (1/1) (PFHxA-$C_6H_{15}N$)	565225-91-4	--
105		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	--
106		Perfluorohexanoate (anion) (PFHxA (anion))	92612-52-7	--
107		Perfluorohexanoyl bromide (PFHxA-Br)	1404193-66-3	--
108	PFHpA and its salts	Perfluoroheptanoic acid (PFHpA)	375-85-9	0.010
109		Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5	--
110		Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5	--
111		Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1	--
112		Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5	--
113		Cesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6	--
114		Ammonium perfluoroheptanoate (PFHpA-NH_4)	6130-43-4	--
115		Perflluoroheptanoate (anion) (PFHpA (anion))	120885-29-2	--
116		Perfluoroheptanoic anhydride (PFHpAA)	78225-99-7	--
117		Perfluoroheptanoyl chloride (PFHpA-Cl)	52447-22-0	--
118		Perfluoroheptanoyl fluoride (PFHpA-F)	375-84-8	--
119		Perfluoroheptanoyl Bromide (PFHpA-Br)	159623-34-4	--
120	PFBS and its salts	Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.010
121		Sodium perfluorobutanesulfonate (PFBS-Na)	60453-92-1	--
122		Perfluorobutanesulfonate K-salt (PFBS-K)	29420-49-3	--
123		Lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5	--
124		Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3	--
125		Perfluorobutane sulfonic acid hydrate (PFBS-H_2O)	59933-66-3	--
126		1-Butanesulfonyl fluoride, 1,1,2,2,3,3,4,4,4-nonafluoro- (PFBSF)	375-72-4	--
127		Nonafluoro-1-butanesulfonyl chloride (PFBSCl)	2991-84-6	--
128		N,N,N-Triethyl-1-[(1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonyl)oxy]ethan-1-aminium (PFBS-N(CH_3CH_2)$_4$)	25628-08-4	--
129		Ammonium perfluorobutanesulfonate (PFBS-NH_4)	68259-10-9	--
130		Triphenylsulfonium nonaflate (PFBS-S(C_6H_5)$_3$)	144317-44-2	--
131		Dimethyl (phenyl) sulfonium perfluorobutanesulfonate (PFBS-S(CH_3)$_2C_6H_5$)	220133-51-7	--
132		Tetrabutylphosphorus perfluorobutylsulfonate (PFBS-P(C_4H_9)$_4$)	220689-12-3	--
133		Morpholinium perfluorobutanesulfonate (PFBS-NC_4H_9O)	503155-89-3	--

Test Report

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
134		1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate (PFBS-S(C_4H_8)($C_{10}H_6$)OC_4H_9)	209482-18-8	--
135		Bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate (PFBS-I(C_6H_4)$_2$(C_4H_9)$_2$)	194999-85-4	--
136		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	--
137		Tetrabutylammonium nonafluorobutanesulfonate (PFBS-N(C_4H_9)$_4$)	108427-52-7	--
138		Diphenyliodanium nonafluorobutane-1-sulfonate (PFBS-I(C_6H_5)$_2$)	194999-82-1	--
139		Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_{30}H_{39}S$)	241806-75-7	--
140		Sulfonium, (4-cyclohexylphenyl)diphenyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_{24}H_{25}S$)	425670-64-0	--
141		Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_{13}H_{16}NS$)	867373-18-0	--
142		Pyridinium,1-ethyl-3-methyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_8H_{12}N$)	1015420-87-7	--
143		1H-Imidazolium,1-methyl-3-octyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_{12}H_{23}N_2$)	905972-83-0	--
144		1H-Imidazolium,3-hexyl-1-methyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_{10}H_{19}N_2$)	1001557-05-6	--
145		2-Propanaminium,N,N-dimethyl-N-(1-methylethyl)-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_8H_{20}N$)	374571-81-0	--
146		Sulfonium,[4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_{24}H_{25}O_3S$)	857285-80-4	--
147		1-Butanaminium,N,N-dibutyl-N-methyl-,1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_{13}H_{30}N$)	124472-66-8	--
148		1-Butanesulfonic acid,1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1) (PFBS-Zn)	502457-69-4	--
149		1-Pentanaminium,N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1) (PFBS-$C_{14}H_{32}N$)	56773-55-8	--
150		Perfluorobutanesulfonic acid tetramethylammonium salt (PFBS-N(CH_3)$_4$)	25628-17-5	--
151		1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-,1,1'-anhydride (PFBSA)	36913-91-4	--
152		Perfluorobutane sulfonate (anion) (PFBS (anion))	45187-15-3	--
153		Triethylammonium perfluorobutane sulfonate (PFBS-$C_6H_{15}N$)	182059-38-7	--
154		N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanesulfonate (1:1) (PFBS-$C_{12}H_{28}NO$)	334529-55-4	--
155		1-Hexadecylpyridinium perfluoro-1-butanesulfonate (PFBS-$C_{21}H_{38}N$)	334529-62-3	--
156		1-Butylpyridinium perfluoro-1-butanesulfonate (PFBS-$C_9H_{14}N$)	334529-64-5	--
157		N-Methyl-N,N-dioctyl-1-octanaminium perfluoro-1-butanesulfonate (PFBS-$C_{25}H_{54}N$)	495417-51-1	--
158		Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanesulfonic acid (1:1) (PFBS-$C_{21}H_{21}S$)	722538-68-3	--
159	PFHxS and its salts	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	0.010
160		1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, sodium salt (PFHxS-Na)	82382-12-5	--
161		Potassium perfluorohexane-1-sulphonate (PFHxS-K)	3871-99-6	--
162		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	--

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
163		1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)	70136-72-0	--
164		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	--
165		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	--
166		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	--
167		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	--
168		Cesium Perfluorohexanesulfonate (PFHxS-Cs)	92011-17-1	--
169		1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt (1:1) (PFHxS-NH_4)	68259-08-5	--
170		1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (PFHxSF)	423-50-7	--
171		1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluorohexane-1-sulphonyl chloride (PFHxS-Cl)	55591-23-6	--
172		Perfluorohexylsulfonate (PFHxS (anion))	108427-53-8	--
173		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	--
174		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-$I(C_6H_4)_2(C_5H_{11})_2$)	421555-74-0	--
175		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	--
176		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	--
177		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	--
178		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	--
179		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-$S(C_6H_5)_2C_{10}H_9O_2$)	911027-68-4	--
180		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	911027-69-5	--
181		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	--
182		Phosphonium, triphenyl(phenylmethyl)-,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-$P(C_6H_5)_3C_7H_7$)	1000597-52-3	--
183		1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (PFHxS-$N(C_4H_9)_4$)	108427-54-9	--

Test Report

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
184		Ethanaminium,N,N,N-triethyl-,salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-N(C_2H_5)$_4$)	108427-55-0	--
185		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	--
186		Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5)$_3$)	144116-10-9	--
187		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	--
188		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	--
189		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-N(CH_3)$_4$)	189274-31-5	--
190		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	--
191		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	--
192		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	--
193		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) (PFHxS-($NC_{10}H_{14}$)$_3C_5H_4$)	1310480-24-0	--
194		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	--
195		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	--
196		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	--
197		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	--
198		Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1) (PFHxS-NH(C_2H_5O)$_2$)	70225-16-0	--
199		Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P(C_4H_9)$_4$)	2310194-12-6	--
200	PFHpS and its salts	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	0.010
201		Perfluoroheptanesulfonate NA-salt (PFHpS-Na)	21934-50-9	--
202		Potassium Perfluoroheptanesulfonate (PFHpS-K)	60270-55-5	--
203		Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9	--
204		Ammonium perfluoroheptanesulfonate (PFHpS-NH_4)	68259-07-4	--
205		Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate (PFHpS-NH(C_4H_{11}))	70225-15-9	--
206		Triethylammonium perfluoroheptane sulfonate (PFHpS-$C_6H_{15}N$)	72033-40-0	--
207		Tetraethylammonium perfluoroheptane sulfonate (PFHpS-$C_8H_{20}N$)	439863-97-5	--
208		Perfluoroheptane sulfonic anhydride (PFHpSA)	140429-92-1	--
209		Perfluoroheptane sulfonate (anion) (PFHpS (anion))	146689-46-5	--

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
210		Perfluoroheptanesulphonyl fluoride (PFHpS-F)	335-71-7	--
211		Perfluoroheptanesulfonyl chloride (PFHpS-Cl)	33018-82-5	--
212	PFUnDA and its salts	Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.015
213		Sodium perfluoroundecanoate (PFUnDA-Na)	60871-96-7	--
214		Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8	--
215		Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2	--
216		Ammonium perfluoroundecanoate (PFUnDA-NH_4)	4234-23-5	--
217		Perfluoroundecanoate (anion) (PFUnDA (anion))	196859-54-8	--
218	PFDoDA and its salts	Perfluorododecanoic acid (PFDoDA)	307-55-1	0.015
219		Sodium perfluoro-n-dodecanoic acid (PFDoDA-Na)	307-67-5	--
220		Ammonium tricosafluorododecanoate (PFDoDA-NH_4)	3793-74-6	--
221		Perfluorododecanoate (anion) (PFDoDA (anion))	171978-95-3	--
222	PFTrDA and its salts	Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.015
223		Sodium perfluorotridecanoate (PFTrDA-Na)	60872-01-7	--
224		Ammonium perfluorotridecanoate (PFTrDA-NH_4)	4288-72-6	--
225		Perfluorotridecanoate (anion) (PFTrDA (anion))	862374-87-6	--
226	PFTeDA and its salts	Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.015
227		Perfluorotetradecanoate (anion) (PFTeDA (anion))	365971-87-5	--
228	PFDS and its salts	Henicosafluorodecanesulphonic acid (PFDS)	335-77-3 126105-34-8	0.010
229		Perfluorodecanesulfonate NA-salt (PFDS-Na)	2806-15-7	--
230		Perfluorodecanesulfonate K-salt (PFDS-K)	2806-16-8	--
231		Ammonium henicosafluorodecanesulphonate (PFDS-NH_4)	67906-42-7	--
232		Perfluorodecane sulfonic anhydride (PFDSA)	51667-62-0	--
233		Perfluorodecanesulphonyl fluoride (PFDS-F)	307-51-7	--
234		Perfluorodecanesulphonyl chloride (PFDS-Cl)	32779-61-6	--
235	6:2 FTS and its salts	1H,1H,2H,2H-Perfluoro-octane-sulphonic acid (6:2 FTS)	27619-97-2	0.010
236		1H,1H,2H,2H-Perfluoro-octane-sulphonic acid sodium salt (6:2 FTS-Na)	27619-94-9	--
237		1H,1H,2H,2H-Perfluoro-octane-sulphonic acid potassium salt (6:2 FTS-K)	59587-38-1	--
238		1H,1H,2H,2H-Perfluoro-octane-sulphonic acid ammonium salt (6:2 FTS-NH_4)	59587-39-2	--
239		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^{2+})	1807944-82-6	--
240		2-(Perfluorohexyl)ethane-1-sulfonate (6:2 FTS (anion))	425670-75-3	--
241		2-(Perfluorohexyl)ethanesulfonyl chloride (6:2 FTS-Cl)	27619-89-2	--
242	PFBA and its salts	Perfluoro-butanoic acid (PFBA)	375-22-4	0.010
243		Sodium heptafluorobutyrate (PFBA-Na)	2218-54-4	--
244		Potassium heptafluorobutanoate (PFBA-K)	2966-54-3	--
245		Lithium perfluorobutanoate (PFBA-Li)	4146-76-3	--
246		Silver perfluorobutanoate (PFBA-Ag)	3794-64-7	--
247		Ammonium perfluorobutanoate (PFBA-NH_4)	10495-86-0	--
248		Heptafluorobutanoic acid-piperazine (1:1) (PFBA-$C_4H_{10}N_2$)	375-04-2	--
249		Perfluorobutanoate (anion) (PFBA (anion))	45048-62-2	--
250		4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1) (PFBA-$C_6H_4ClF_6N_2P$)	630-31-9	--
251		Heptafluorobutanoic acid-1-phenylpiperazine (1:1) (PFBA-$C_{10}H_{14}N_2$)	2263-11-8	--
252		Perfluorobutanoic anhydride (PFBAA)	336-59-4	--
253		Heptafluorobutanoic acid calcium salt (PFBA-Ca)	2366-98-5	--

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
254		Rhodium(II) perfluorobutyrate dimer (PFBA-Rh)	73755-28-9	--
255		Heptafluorobutyryl Chloride (PFBA-Cl)	375-16-6	--
256		Perfluorobutanoyl fluoride (PFBA-F)	335-42-2	--
257		Heptafluorobutanoyl Bromide (PFBA-Br)	375-13-3	--
258		N5-(5-Hydroxy-4,6-dimethylpyrimidin-2-yl)-L-ornithine--heptafluorobutanoic acid (1/2) (PFBA-Argpyrimidine)	936233-19-1	--
259	PFPeA and its salts	Perfluoropentanoic acid (PFPeA)	2706-90-3	0.010
260		Sodium perfluorovalerate (PFPeA-Na)	2706-89-0	--
261		Potassium nonafluoropentanoate (PFPeA-K)	336-23-2	--
262		Lithium perfluoropentanoate (PFPeA-Li)	198482-22-3	--
263		Silver perfluoropentanoate (PFPeA-Ag)	2795-30-4	--
264		Ammonium perfluoropentanoate (PFPeA-NH_4)	68259-11-0	--
265		Nonafluoropentanoic acid-1-benzylthiourea (1:1) (PFPeA-$C_8H_{10}N_2S$)	64808-55-5	--
266		Perfluoropentanoic anhydride (PFPeAA)	308-28-1	--
267		Perfluoropentanoate (anion) (PFPeA (anion))	45167-47-3	--
268		Nonafluoropentanoyl chloride (PFPeA-Cl)	375-60-0	--
269		Perfluoropentanoyl fluoride (PFPeA-F)	375-62-2	--
270		Nonafluoropentanoyl bromide (PFPeA-Br)	159623-35-5	--
271	PFNA and its salts	Perfluorononanoic acid (PFNA)	375-95-1	0.010
272		Sodium heptadecafluorononanoate (PFNA-Na)	21049-39-8	--
273		Potassium perfluorononanoate (PFNA-K)	21049-38-7	--
274		Lithium heptadecafluorononanoate (PFNA-Li)	60871-92-3	--
275		Silver perfluorononanoate (PFNA-Ag)	7358-16-9	--
276		Perfluorononanoate ammounium salt (PFNA-NH_4)	4149-60-4	--
277		Cyclohexanaminium perfluorononanoate (PFNA-NH(C_6H_{12}))	328531-06-2	--
278		Piperidinium perfluorononanoate (PFNA-NH(C_5H_{11}))	95682-66-9	--
279		Methanaminium perfluorononanoate (PFNA-NH_3(CH_3))	77032-23-6	--
280		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	--
281		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	--
282		Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-NH(C_2H_5)$_3$)	327176-80-7	--
283		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	--
284		4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate (PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0	--
285		Perfluorononanoic anhydride (PFNAA)	228407-54-3	--
286		Perfluorononanoate (anion) (PFNA (anion))	72007-68-2	--
287		Perfluorononanoyl chloride (PFNA-Cl)	52447-23-1	--
288		Heptadecafluorononanoyl fluoride (PFNA-F)	558-95-2	--
289		Heptadecafluorononanoyl Bromide (PFNA-Br)	261503-42-8	--
290	PFDA and its salts	Perfluorodecanoic acid (PFDA)	335-76-2	0.010
291		Sodium nonadecafluorodecanoate (PFDA-Na)	3830-45-3	--
292		Potassium perfluorodecanoate (PFDA-K)	51604-85-4	--
293		Lithium perfluorodecanoate (PFDA-Li)	84743-32-8	--
294		Silver perfluorodecanoate (PFDA-Ag)	5784-82-7	--

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
295		Perfluorodecanoate ammonium salt (APFDA)	3108-42-7	--
296		Perfluorodecanoic anhydride (PFDAA)	942199-24-8	--
297		Perfluorodecanoate (anion) (PFDA (anion))	73829-36-4	--
298		Nonadecafluorodecanoyl chloride (PFDA-Cl)	307-38-0	--
299	--	Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	0.015
300	HPFHpA and its salts	7H-Dodecafluoro heptane acid (HPFHpA)	1546-95-8	0.010
301		Sodium 7H-perfluoroheptanoate (HPFHpA-Na)	2264-25-7	--
302		Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH_4)	376-34-1	--
303		7H-Perfluoroheptanoate (HPFHpA (anion))	69681-35-2	--
304		7H-Perfluoroheptanoyl chloride (HPFHpA-Cl)	41405-35-0	--
305		2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoyl fluoride (HPFHpA-F)	5927-65-1	--
306	--	2H,2H-Perfluorodecanoate (H_2PFDA)	27854-31-5	0.010
307	--	Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (H_2PFDA-P(C_4H_9)$_4$)	882489-14-7	0.010
308	H_4PFUnA and its salts	2H,2H,3H,3H-Perfluoroundecanoic acid (H_4PFUnA)	34598-33-9	0.010
309		Potassium 3-(perfluorooctyl)propanoate (H_4PFUnA-K)	83310-58-1	--
310		Lithium 3-(perfluorooctyl)propanoate (H_4PFUnA-Li)	67304-23-8	--
311	PFODA and its salts	Perfluorooctadecanoic acid (PFODA)	16517-11-6	0.010
312		Perfluorooctadecanoate anion (PFODA (anion))	798556-82-8	--
313	PFHxDA and its salts	Perfluoropalmitic acid (PFHxDA)	67905-19-5	0.010
314		Hentriacontafluorohexadecanoate anion (PFHxDA (anion))	1214264-30-8	--
315	11H-PFUnDA and its salts	11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6	0.010
316		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	--
317		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	--
318		11H-Perfluoroundecanoate (11H-PFUnDA (anion))	69681-37-4	--
319	FOSAA and its salts	Glycine, N-[(heptadecafluorooctyl)sulfonyl]- (FOSAA)	2806-24-8	0.010
320		N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4	--
321		N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5	--
322		N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA (anion))	909405-47-6	--
323	PFNS and its salts	Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.010
324		Sodium Perfluoro-1-nonanesulfonate (PFNS-Na)	98789-57-2	--
325		Perfluorononanesulfonate potassium (PFNS-K)	29359-39-5	--
326		Ammonium perfluorononanesulfonate (PFNS-NH_4)	17202-41-4	--
327		Perfluorononane sulfonate (anion) (PFNS (anion))	474511-07-4	--
328		Perfluorononanesulfonyl fluoride (PFNS-F)	68259-06-3	--
329	PFUnS and its salts	Perfluoroundecane sulfonic acid (PFUnS)	749786-16-1	0.010
330		Sodium perfluoro-1-undecanesulfonate (PFUnS-Na)	-	--
331		Perfluoroundecanesulfonate (PFUnS (anion))	441296-91-9	--
332	PFTrDS and its salts	Perfluorotridecanesulfonic acid (PFTrDS)	791563-89-8	0.010
333		Sodium perfluorotridecanesulfonate (PFTrDS-Na)	174675-49-1	--
334	PFPe and its salts	1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro- (PFPe)	2706-91-4	0.010
335		Sodium perfluoropentanesulfonate (PFPe-Na)	630402-22-1	--
336		Potassium perfluorohexane-1-sulphonate (PFPe-K)	3872-25-1	--
337		Lithium perfluoropentane sulfonate (PFPe-Li)	1046864-81-6	--
338		Ammonium perfluoropentanesulfonate (PFPe-NH_4)	68259-09-6	--

Test Report

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
339		Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate (PFPe-$(CH_2CH_2OH)_2NH$)	70225-17-1	--
340		Triethylammonium perfluoropentane sulfonate (PFPe-$C_6H_{15}N$)	72033-42-2	--
341		Perfluoropentane sulfonic anhydride (PFPeSA)	161877-72-1	--
342		Perfluoropentane sulfonate (anion) (PFPe (anion))	175905-36-9	--
343	--	1-Hexane-sulfonamide,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (FHxSA)	41997-13-1	0.010
344	PFDoDS and its salts	Perfluorododecane sulfonic acid (PFDoDS)	79780-39-5	0.010
345		Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)	1260224-54-1	--
346		Potassium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11, 12,12,12-pentacosafluorododecane-1-sulphonate (PFDoDS-K)	85187-17-3	--
347		Perfluorododecanesulfonate (PFDoDS (anion))	343629-43-6	--
348	PFPeDA and its salts	Pentadecanoic acid,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, 15,15,15-nonacosafluoro- (PFPeDA)	141074-63-7	0.010
349		Nonacosafluoropentadecanoate (PFPeDA (anion))	1214264-29-5	--
350	--	2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3	0.010
351	5:3 FTCA and its salts	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	0.010
352		2H,2H,3H,3H-Perfluorooctanoate (5:3 FTCA (anion))	1799325-94-2	--
353	PFPrA and its salts	Pentafluoropropionate acid (PFPrA)	422-64-0	0.010
354		Sodium pentafluoropropionate (PFPrA-Na)	378-77-8	--
355		Potassium pentafluoropropionate (PFPrA-K)	378-76-7	--
356		Silver Pentafluoropropionate (PFPrA-Ag)	509-09-1	--
357		Ammonium pentafluoropropionate (PFPrA-NH_4)	2730-58-7	--
358		Perfluoropropanoate (PFPrA(anion))	44864-55-3	--
359		Pentafluoropropanoic acid-1-phenylpiperazine (1/1) (PFPrA-$C_{10}H_{14}N_2$)	893-87-8	--
360		Pentafluoropropanoic acid-piperazine (1/1) (PFPrA-$C_4H_{10}N_2$)	1690-94-4	--
361		Imidazole perfluoropropionic acid salt (PFPrA-$C_3H_4N_2$)	200705-90-4	--
362	FBSA and its salts	Perfluorobutylsulphonamide (FBSA)	30334-69-1	0.010
363		Potassium (perfluorobutanesulfonyl)azanide (FBSA-K)	289042-19-9	--
364		Nonafluorobutanesulfonamide ammonia salt (FBSA-NH_4)	131003-86-6	--
365	TFA and its salts	Trifluoroacetic Acid (TFA)	76-05-1	0.010
366		Sodium trifluoroacetate (TFA-Na)	2923-18-4	--
367		Potassium trifluoroacetate (TFA-K)	2923-16-2	--
368		Lithium Trifluoroacetate (TFA-Li)	2923-17-3	--
369		Mercury(II) trifluoroacetate (TFA-Hg)	13257-51-7	--
370		Cesium Trifluoroacetate (TFA-Cs)	21907-50-6	--
371		Thallium(III) trifluoroacetate (TFA-Tl)	23586-53-0	--
372		Palladium(II) trifluoroacetate (TFA-Pd)	42196-31-6	--
373		Silver trifluoroacetate (TFA-Ag)	2966-50-9	--
374		Ammoniumtrifluoroacetate (TFA-NH_4)	3336-58-1	--
375		Trifluoroacetate (TFA(anion))	14477-72-6	--
376		Dimethyl[(trifluoroacetyl)oxy]sulfanium trifluoroacetate (TFA-TFADS)	57738-66-6	--
377		Aluminium tris(trifluoroacetate) (TFA-Al)	36554-89-9	--
378		Barium bis(trifluoroacetate) (TFA-Ba)	60884-92-6	--
379		Chromium(3+) tris(trifluoroacetate) (TFA-Cr)	16712-29-1	--
380		Erbium tris(trifluoroacetate) (TFA-Er)	70236-99-6	--
381		Europium(3+) trifluoroacetate-water (1/3/3) (TFA-Eu $3H_2O$)	94079-71-7	--

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
382		Indium trifluoroacetate (TFA-In)	36554-90-2	--
383		Lanthanum tris(trifluoroacetate) (TFA-La)	70236-92-9	--
384		Nickel(2+) bis(trifluoroacetate) (TFA-Ni)	16083-14-0	--
385		Lead(II) trifluoroacetate (TFA-Pb)	4146-73-0	--
386		Acetic acid, trifluoro-, rhodium(2+) salt (TFA-Rh)	72654-51-4	--
387		Thulium tris(trifluoroacetate) (TFA-Tm)	70237-00-2	--
388		AGN-PC-0NI0TK (TFA-Yb)	87863-62-5	--
389		Zinc bis(trifluoroacetate) (TFA-Zn)	21907-47-1	--
390		Ruthenium(II) 2,2,2-trifluoroacetate (TFA-Ru)	61612-84-8	--
391		Magnesium trifluoroacetate (TFA-Mg)	123333-72-2	--
392		Copper (II) Trifluoroacetate (TFA-Cu)	123333-88-0	--
393	--	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	812-70-4	0.010
394	--	Perfluoro-4-methoxybutanoic acid (PFMOBA)	863090-89-5	0.010
395	--	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	0.010
396	--	2H-Perfluoro-2-octenoic acid (6:2) (6:2 FTUCA)	70887-88-6	0.010
397	11Cl-PF3OUdS and its salts	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	0.010
398		Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF3OUdS-K)	83329-89-9	--
399		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-PF3OUdS (anion))	2196242-82-5	--
400	33FTA and its salts	2H,2H,3H,3H-perfluorohexanoic acid (33FTA)	356-02-5	0.010
401		Sodium 3-(perfluoropropyl)propanoate (33FTA-Na)	1207462-13-2	--
402		3:3 Fluorotelomer carboxylate, ion(1-) (33FTA (anion))	1169706-83-5	--
403	ADONA and its salts	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	0.010
404		Sodium 4,8-dioxa-3H-perfluorononanoate (ADONA-Na)	2250081-67-3	--
405		Potassium 2,2,3-trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA-K)	1087271-46-2	--
406		Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA-NH_4)	958445-44-8	--
407		2,2,3-Trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA (anion))	2127366-90-7	--
408	--	2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA)	70887-94-4	0.010
409	PFEESA and its salts	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.010
410		Potassium 1,1,2,2-tetrafluoro-2-(pentafluoroethoxy)ethane-1-sulfonate (PFEESA-K)	117205-07-9	--
411		Sodium 1,1,2,2-tetrafluoro-2-(1,1,2,2,2-pentafluoroethoxy)ethanesulfonate (PFEESA-Na)	113507-87-2	--
412	9Cl-PF3ONS and its salts	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	0.010
413		Potassium 9-chlorohexadecafluoro-3-oxanonane-1- sulfonate (9Cl-PF3ONS-K)	73606-19-6	--
414		Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF3ONS-NH_4)	1383434-28-3	--
415		Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonate) (9Cl-PF3ONS (anion))	1621485-21-9	--
416	PFMPA and its salts	2,2,3,3-tetrafluoro-3-(trifluoromethoxy)propanoic acid (PFMPA)	377-73-1	0.010
417		Perfluoro-3-methoxypropanoic anhydride (PFMPAA)	42566-65-4	--
418	--	Perfluorodecylphosphonic acid (PFDPA)	52299-26-0	0.010
419	--	Perfluoro-3,6-dioxaheptanoic acid (PF-3,6-DOHA)	151772-58-6	0.010
420	--	2H,2H-Perfluorododecanoic acid (10:2 FTCA)	53826-13-4	0.010
421	--	Bis(1,1,2,2,3,3,4,4,4-nonafluoro-1-butaneulfonyl)imide (BIS-PFBSI)	39847-39-7	0.010

Test Report

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
422	--	Carboxymethyldimethyl-3-[[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulphonyl]amino]propylammonium hydroxide (6:2 FTAB)	34455-29-3	0.010
423	--	N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide N-oxide (N-diPTFOP-N-oxide)	80475-32-7	0.010
424	PFMOAA and its salts	2,2-difluoro-2-(trifluoromethoxy)acetic acid (PFMOAA)	674-13-5	0.010
425		2,2-Difluoro-2-(trifluoromethoxy)acetate sodium salt (PFMOAA-Na)	21837-98-9	--
426		Difluoro(trifluoromethoxy)acetic acid--piperazine (1/1) (PFMOAA-piperazine)	2266-82-2	--
427	--	2H,2H,3H,3H-Perfluorononanoic acid (6:3 FTCA)	27854-30-4	0.010
428	Cheminox FHP 2OH(PFHEPA) and its salts	Perfluorohexyl ethylphosphonic acid (Cheminox FHP 2OH(PFHEPA))	252237-40-4	0.010
429		Tridecafluorooctyl-phosphonic acid sodium salt (1:1) (Cheminox FHP 2OH-Na(PFHEPA-Na))	1189052-95-6	--
430	6:2monoPAPs and its salts	1-Octanol,3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-,1-(dihydrogen phosphate) (6:2monoPAPs)	57678-01-0	0.010
431		Sodium 1H,1H,2H,2H-Perfluorooctylphosphate (6:2monoPAPs-Na)	144965-22-0	--
432		Monopotassium monoperfluorohexyl ethylphosphate (6:2monoPAPs-K)	150033-28-6	--
433		Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate (6:2monoPAPs-NH_4)	2353-52-8	--
434		3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium salt (6:2monoPAPs-NH_4(-))	92401-44-0	--
435		Diammonium 6:2 fluorotelomer phosphate monoester (6:2monoPAPs-NH_4NH_4)	1000852-37-8	--
436		2-(Perfluorohexyl)ethanol dihydrogen phosphate bis(2-hydroxyethyl)amine (6:2monoPAPs-Diethanolamine)	57678-02-1	--
437		Disodium- 6:2 Fluorotelomer phosphate (6:2monoPAPs-Na_2)	150033-29-7	--
438	PF-3,6-DOOA and its salts	Perfluoro-3,6-dioxaoctanoic acid (PF-3,6-DOOA)	80153-82-8	0.010
439		Ammonium perfluoro-3,6-dioxaoctanoate (PF-3,6-DOOA-NH_4)	908020-52-0	--
440	PFESA BP1 and its salts	Perfluoro-3,6-dioxa-4-methyl-7-octenesulfonic acid (PFESA BP1)	29311-67-9	0.010
441		Sodium perfluoro-2-({3-[(ethenyl)oxy]propan-2-yl}oxy)ethane-1-sulfonate (PFESA BP1-Na)	16090-17-8	--
442		Perfluoro-3,6-dioxa-4-methyl-7-octenesulfonic acid potassium salt (PFESA BP1-K)	65086-48-8	--
443	PFESA BP2 and its salts	7H-Perfluoro-4-methyl-3,6-dioxaoctanesulfonic acid (PFESA BP2)	749836-20-2	0.010
444		Potassium 5-(1,2,2,2-tetrafluoroethoxy)-perfluoro-4-methyl-3-oxapentanesulfonate (PFESA BP2-K)	259140-44-8	--
445	N-AP-FHxSA and its salts	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (N-AP-FHxSA)	50598-28-2	0.010
446		N-(3-(Dimethylamino)propyl)perfluorohexanesulfonamide hydrochloride (N-AP-FHxSA-HCl)	68957-61-9	--
447		N-[3-(Dimethylamino)propyl]-perfluoro-1-hexanesulfonamide acetate (N-AP-FHxSA-Ace)	73772-33-5	--
448	6:6 PFPi and its salts	Bis(tridecafluorohexyl)phosphinic acid (6:6 PFPi)	40143-77-9	0.010
449		Sodium bis(perfluorohexyl)phosphinate (6:6 PFPi-Na)	70609-44-8	--
450		Bis(perfluorohexyl) phosphinic acid ytterbium(3+) salt (6:6 PFPi-Yb)	500776-72-7	--
451		Bis(perfluorohexyl) phosphinic acid erbium(3+) salt (6:6 PFPi-Er)	500776-73-8	--
452	TFMS and its salts	Trifluoromethanesulfonic acid (TFMS)	1493-13-6	0.010
453		Sodium trifluoromethanesulfonate (TFMS-Na)	2926-30-9	--
454		Potassium trifluoromethanesulfonate (TFMS-K)	2926-27-4	--
455		Magnesium trifluoromethanesulfonate (TFMS-Mg)	60871-83-2	--
456		Silver trifluoromethanesulfonate (TFMS-Ag)	2923-28-6	--
457		Lithium trifluoromethanesulfonate (TFMS-Li)	33454-82-9	--

Test Report

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
458		Iron(III) trifluoromethanesulfonate (TFMS-Fe)	63295-48-7	--
459		Yttrium(III) trifluoromethanesulfonate (TFMS-Y)	52093-30-8	--
460		Stannous(II) trifluoromethanesulfonate (TFMS-Sn)	62086-04-8	--
461		Nickel(II) trifluoromethanesulfonate (TFMS-Ni)	60871-84-3	--
462		Cerium(III) trifluoromethanesulfonate (TFMS-Ce^{3+})	76089-77-5	--
463		Cerium(IV) trifluoromethanesulfonate (TFMS-Ce^{4+})	107792-63-2	--
464		Zinc(II) trifluoromethanesulphonate (TFMS-Zn)	54010-75-2	--
465		Barium(II) trifluoromethanesulphonate (TFMS-Ba)	2794-60-7	--
466		Copper(II) trifluoromethanesulphonate (TFMS-Cu)	34946-82-2	--
467		Scandium(III) trifluoromethanesulfonate (TFMS-Sc)	144026-79-9	--
468		Trifluoromethanesulfonic anhydride (TFMSA)	358-23-6	--
469		Lanthanum tris(trifluoromethanesulfonate) (TFMS-La)	52093-26-2	--
470		Mercury(II) trifluoromethanesulfonate (TFMS-Hg)	49540-00-3	--
471		Dysprosium(III) trifluoromethanesulfonate (TFMS-Dy)	139177-62-1	--
472		Ytterbium(3+) tris(trifluoromethanesulfonate) (TFMS-Yb)	54761-04-5	--
473		Trifluoromethanesulfonic acid-manganese (2/1) (TFMS-Mn)	55120-76-8	--
474		Lutetium(III) trifluoromethanesulfonate (TFMS-Lu)	126857-69-0	--
475		Terbium(III) trifluoromethanesulfonate (TFMS-Tb)	148980-31-8	--
476		Pentafluoroanilinium trifluoromethanesulfonate (TFMS-$C_6H_2F_5N$)	912823-79-1	--
477		Neodymium(III) trifluoromethanesulfonate (TFMS-Nd)	34622-08-7	--
478		Samarium(III) trifluoromethanesulfonate (TFMS-Sm)	52093-28-4	--
479		Ammonium trifluoromethanesulfonate (TFMS-NH_4)	38542-94-8	--
480		Holmium tris(trifluoromethanesulfonate) (TFMS-Ho)	139177-63-2	--
481		Trifluoromethanesulfonate (TFMS (anion))	37181-39-8	--
482		Indium(III) trifluoromethanesulfonate (TFMS-In)	128008-30-0	--
483		Praseodymium(III) trifluoromethanesulfonate (TFMS-Pr)	52093-27-3	--
484		Bismuth(III) trifluoromethanesulfonate (TFMS-Bi)	88189-03-1	--
485		Europium trifluoromethanesulfonate (TFMS-Eu)	52093-25-1	--
486		Erbium(III) trifluoromethanesulfonate (TFMS-Er)	139177-64-3	--
487		Gallium(III) trifluoromethanesulfonate (TFMS-Ga)	74974-60-0	--
488		Thulium(III) trifluoromethanesulfonate (TFMS-Tm)	141478-68-4	--
489		Methanesulfonic acid, trifluoro-, calcium salt (TFMS-Ca)	55120-75-7	--
490		AG-G-90691 (TFMS-Tl)	73491-36-8	--
491		1-Fluoro-3,5-dichloropyridinium triflate (TFMS-$C_5H_3Cl_2FN$)	107264-06-2	--
492		N,N-Diethyl-6-(diethylamino)-9-(2-(methoxycarbonyl)phenyl)-3H-xanthene-3-ylideneammonium trifluoromethanesulfonate (TFMS-$C_{29}H_{33}N_2O_3$)	120611-30-5	--
493		Methyltrioctylammonium trifluoromethanesulfonate (TFMS-$C_{25}H_{54}N$)	121107-18-4	--
494		O-Pivaloylhydroxylamine trifluoromethanesulfonate (TFMS-$C_5H_{11}NO_2$)	1293990-73-4	--
495		Guanidine trifluoromethanesulfonic acid (TFMS-CH_5N_3)	153756-25-3	--
496		Diphenylammonium Trifluoromethanesulfonate (TFMS-$C_6H_5NHC_6H_5$)	164411-06-7	--
497		Imidazole trifluoromethanesulfonate (TFMS-$C_3H_4N_2$)	29727-06-8	--
498		Tetraethylammonium trifluoromethanesulfonate (TFMS-$C_8H_{20}N$)	35895-69-3	--
499		Tetrabutylammonium trifluoromethanesulfonate (TFMS-$C_{16}H_{36}N$)	35895-70-6	--
500		N,N,N-Triethyl-2,2,2-trifluoroethan-1-aminium trifluoromethanesulfonate (TFMS-$C_8H_{17}F_3N$)	380230-73-9	--
501		Trifluoromethanesulfonic acid-1-ethyl-1H-imidazole (1/1) (TFMS-$C_5H_8N_2$)	501693-46-5	--
502		Triethylamine salt of trifluoromethanesulfonic acid (TFMS-$(C_2H_5)_3N$)	646-58-2	--

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
503		Trifluoroacetyl trifluoromethanesulfonate (TFMS-C_2F_3O)	68602-57-3	--
504		Triphenylphosphonium anhydride triflate (TFMS-$C_{36}H_{30}OP_2(2+)$)	72450-51-2	--
505		Ruthenium(3+), (OC-6-22)-, salt with trifluoromethanesulfonic acid (1:3) (TFMS-Ru $2H_2O$ $4NH_2$)	74468-24-9	--
506		Pentaammine(trifluoromethanesulfonato)osmium(III) triflate (TFMS-Os $5NH_3$)	83781-30-0	--
507		(2-Pyridylmethyl)sulfonyl chloride triflate (TFMS-$C_6H_6ClNO_2S$)	882564-09-2	--
508		Trifluoromethanesulfonyl bromide (TFMS-Br)	15458-53-4	--
509		Trifluoromethanesulfonyl chloride (TFMS-Cl)	421-83-0	--
510		Hafnium (IV) Trifluoromethanesulfonate (TFMS-Hf)	161337-67-3	--
511		1-Ethylpyridinium trifluoromethanesulfonate (TFMS-Ethylpyridinium)	3878-80-6	--
512		Lanthanum trifluoromethanesulfonate--water (1/3/1) (TFMS-La-H_2O)	34629-21-5	--
513		Yttrium trifluoromethanesulfonate--water (1/3/1) (TFMS-Y-H_2O)	34629-25-9	--
514		Copper(2+) trifluoromethanesulfonate--benzene (1/2/1) (TFMS-Cu-benzene)	42152-46-5	--
515		Trifluoromethanesulfonic acid--water (1/1) (TFMS-H_2O)	49789-04-0	--
516		Pyridinium trifluoromethanesulfonate (TFMS-Pyridine)	52193-54-1	--
517		2-Ethenyl-1-(prop-2-en-1-yl)thian-1-ium trifluoromethanesulfonate (TFMS-2-Ethenyl-1-prop-2-enylthian-1-ium)	66120-38-5	--
518		Tributyltin trifluoromethanesulfonate (Bu_3SnOTf)	68725-14-4	--
519		Morpholin-4-ium trifluoromethanesulfonate (TFMS-Morpholine)	77534-70-4	--
520		2-Chloro-1-methylpyridinium trifluoromethanesulphonate (TFMS-2-Chloro-1-methylpyridinium)	84030-18-2	--
521		1-Fluoropyridinium triflate (TFMS-Pyridinium, 1-fluoro-)	107263-95-6	--
522		1,3-Dimethyl-1H-imidazol-3-ium trifluoromethanesulfonate (TFMS-1,3-Dimethylimidazolium)	121091-30-3	--
523		1-Ethyl-3-methylimidazolium trifluoromethanesulfonate (TFMS-1-Ethyl-3-methylimidazolium)	145022-44-2	--
524		1-Butyl-3-methylimidazolium trifluoromethanesulfonate (TFMS-1-Ethyl-2,3-dimethylimidazolium)	174899-66-2	--
525		1-Ethyl-2,3-dimethylimidazolium trifluoromethanesulfonate (TFMS-1-Butyl-4-methylimidazolium)	174899-72-0	--
526	TFSI and its salts	1,1,1-Trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (TFSI)	82113-65-3	0.010
527		Bistrifluoromethanesulfonimide lithium salt (TFSI-Li)	90076-65-6	--
528		1-Butyl-1-methylpyrrolidinium bis(trifluoromethanesulfonyl)imide (TFSI-$C_9H_{20}N$)	223437-11-4	--
529		Bis(trifluoromethylsulfonyl)azanide, tributyl(methyl)ammonium (TFSI-$C_{13}H_{30}N$)	405514-94-5	--
530		1-Decyl-3-Methylimidazolium Bis(Trifluoromethylsulfonyl)Imide (TFSI-$C_{14}H_{27}N_2$)	433337-23-6	--
531		1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide (TFSI-$C_8H_{15}N_2$)	169051-76-7	--
532		1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide (TFSI-$C_6H_{11}N_2$)	174899-82-2	--
533		1-Ethyl-2,3-dimethylimidazolium bis(trifluoromethanesulfonyl)imide (TFSI-$C_7H_{13}N_2$)	174899-90-2	--
534		1-Methyl-3-n-octylimidazolium bis(trifluoromethanesulfonyl)imide (TFSI-$C_{12}H_{23}N_2$)	178631-04-4	--

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
535		1-(3-aminoazetidin-1-yl)prop-2-en-1-one, trifluoromethanesulfonic acid (TFSI-$C_6H_{10}N_2O$)	2060047-56-3	--
536		1-Methyl-3-propylimidazolium bis(trifluoromethanesulfonyl)imide (TFSI-$C_7H_{13}N_2$)	216299-72-8	--
537		1-Ethyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide (TFSI-$C_7H_{16}N$)	223436-99-5	--
538		1-Methyl-1-propylpyrrolidinium bis(trifluoromethanesulfonyl)imide (TFSI-$C_8H_{18}N$)	223437-05-6	--
539		Butyltrimethylammonium bis(trifluoromethylsulfonyl)imide (TFSI-$C_7H_{18}N$)	258273-75-5	--
540		1-Methylimidazole bis(trifluoromethanesulfonyl)imide (TFSI-$C_4H_7N_2$)	353239-08-4	--
541		1-Dodecyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide (TFSI-$C_{16}H_{31}N_2$)	404001-48-5	--
542		1-Methyl-1-propylpiperidin-1-ium bis(trifluoromethylsulfonyl)amide (TFSI-$C_9H_{20}N$)	608140-12-1	--
543		1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide (TFSI-$C_{10}H_{22}N$)	623580-02-9	--
544		Diethylmethylsulfonium bis(trifluoromethylsulfonyl)imide (TFSI-$C_5H_{13}S$)	792188-85-3	--
545		Choline bis(trifluoromethylsulfonyl)imide (TFSI-$C_5H_{14}NO$)	827027-25-8	--
546		Silver Bis(trifluoromethanesulfonyl)imide (TFSI-Ag)	189114-61-2	--
547		Barium(II) Bis(trifluoromethanesulfonyl)imide (TFSI-Ba(II))	168106-22-7	--
548		1,1,1-trifluoro-N-trifluoromethanesulfonyl-N-((N-trifluoromethanesulfonyltrifluoromethanesulfo namido)calcio) methanesulfonamide (TFSI-Ca(II))	165324-09-4	--
549		Cobalt bis(trifluoromethylsulfonyl)imide (TFSI-Co(II))	207861-61-8	--
550		Copper bis(trifluoromethylsulfonyl)imide (TFSI-Cu)	291300-50-0	--
551		Copper(II) bis(trifluoromethanesulfonyl)imide (TFSI-Cu(II))	162715-14-2	--
552		Copper(II) trifluoromethanesulfonimide xhydrate (TFSI-Cu(II) H_2O)	1334406-76-6	--
553		(OC-6-11)-Tris(1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl-kappaO)methanesulfonamidato-kappaO)iron (TFSI-Fe)	207861-59-4	--
554		Bis(trifluoromethylsulfonyl)azanide;mercury(2+) (TFSI-Hg(II))	104715-41-5	--
555		Potassium bis(trifluoromethanesulfonyl)imide (TFSI-K)	90076-67-8	--
556		Magnesium bis(trifluoromethylsulfonyl)imide (TFSI-Mg)	133395-16-1	--
557		Manganese(II) bis(trifluoromethanesulfonyl)imide (TFSI-Mn(II))	207861-55-0	--
558		Nickel bis(trifluoromethylsulfonyl)imide (TFSI-Ni(II))	207861-63-0	--
559		Strontium bis(trifluoromethylsulfonyl)imide (TFSI-Sr(II))	862121-57-1	--
560		Tris[bis(trifluoromethylsulfonyl)amino] ytterbium (TFSI-Yb)	175438-43-4	--
561		Zinc(II) bis(trifluoromethanesulfonyl)imide (TFSI-Zn(II))	168106-25-0	--
562	6:2diPAPS and its salts	Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) hydrogen phosphate (6:2diPAPS)	57677-95-9	0.010
563		Sodium bis[2-(perfluorohexyl)ethyl] phosphate (6:2diPAPS-Na)	407582-79-0	--
564		Ammonium bis[2-(perfluorohexyl)ethyl] phosphate (6:2diPAPS-NH_4)	1764-95-0	--
565		Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate ion(1-) (6:2diPAPS(Anion))	667465-18-1	--
566	8:8 PFPi and its salts	Bis(heptadecafluorooctyl)phosphinic acid (8:8 PFPi)	40143-79-1	0.010
567		Sodium bis(perfluorooctyl)phosphinate (8:8 PFPi-Na)	500776-69-2	--
568		Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5	--
569		Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6	--
570	EtFHxSAA	N-Ethyl-N-((tridecafluorohexyl)sulfonyl)glycine (EtFHxSAA)	68957-32-4	0.010

Test Report

No.	Group Name	Substance Name(s)	CAS No.	MDL (mg/kg)
571	and its salts	Potassium N-ethyl-N-(perfluorohexylsulphonyl)glycinate (EtFHxSAA-K)	67584-53-6	--
572		Sodium N-ethyl-N-((tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA-Na)	68555-70-4	--
573	PFEtS and its salts	Perfluoroethanesulfonic acid (PFEtS)	354-88-1	0.010
574		Potassium pentafluoroethane-1-sulfonate (PFEtS-K)	2837-92-5	--
575		Perfluoroethanesulfonic acid sodium (PFEtS-Na)	2923-21-9	--
576		Pentafluoroethanesulfonate (PFEtS(anion))	108410-37-3	--
577	PFOPA and its salts	(Perfluorooctyl)phosphonic acid (PFOPA)	40143-78-0	0.010
578		(Heptadecafluorooctyl)phosphonic acid-4-methylaniline (PFOPA-C_8H_9NO)	1263361-03-0	--
579	6:8 PFPi and its salts	Perfluorohexylperfluorooctyl phosphinic acid (6:8 PFPi)	610800-34-5	0.010
580		Sodium perfluorohexylperfluorooctylphosphinate (6:8 PFPi-Na)	2361298-14-6	--
581	PFPrS and its salts	Perfluoropropanesulfonic acid (PFPrS)	423-41-6	0.010
582		Sodium perfluoro-1-propanesulfonate (PFPrS-Na)	359868-82-9	--
583		Potassium heptafluoropropanesulfonate (PFPrS-K)	40365-23-9	--
584		Perfluoropropane sulfonate (PFPrS(anion))	110676-15-8	--

Sample/Part Description

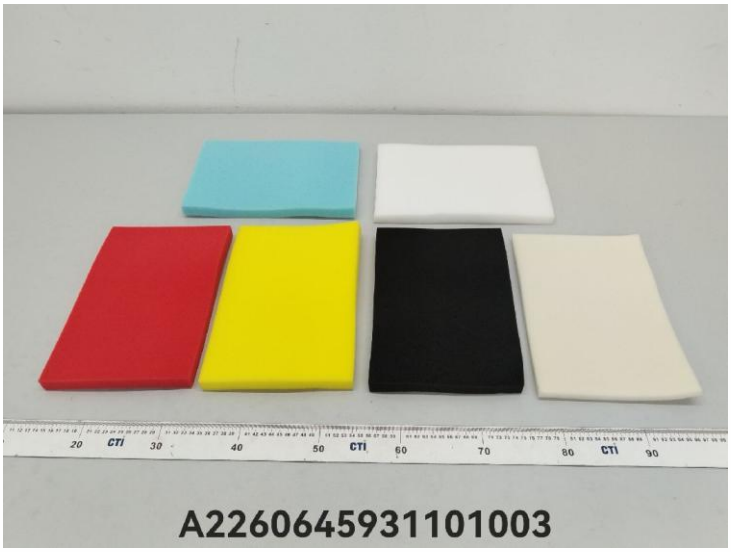
No.	CTI Sample ID	Description
1	003	Mixed test, 6 kinds of sponge

Note:

- As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

-"#"indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.

Photo(s) of the sample(s)



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*** End of Report ***