

Test Report

检测报告

(PFAS)

No.: SHAEC26009262106

Date: Apr 15, 2026

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日期: 2026 年 04 月 15 日 页码 1 of 59

Client Name: Yangzhou Kanghong Semiconductor Co., Ltd
客户名称: 扬州康虹半导体有限公司
Client Address: Building B5, Jinrong Science Park, No. 158, Ji'an South Road, Yangzhou High-tech Development Zone
客户地址: 扬州高新技术开发区吉安南路 158 号金荣科技园 B5 栋

Sample Name: Diodes、Bridge

样品名称: Diodes、Bridge

Client Ref. Information: The internal part of the product is operated with high temperature tin foil, and its composition is Pb/Sn/Ag

客户参考信息: Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.
產品内部採用高溫錫箔作業,其成份為 Pb/Sn/Ag

以上信息由客户提供及确认, SGS 不承担证实客户提供信息的准确性、适当性和(或)完整性的责任

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

以上样品及信息由客户提供。

SGS Job No.: SHP26-012186
SGS 工作编号: SHP26-012186
Sample Receiving Date: Apr 09, 2026
样品接收时间: 2026 年 04 月 09 日
Testing Period: Apr 09, 2026 ~ Apr 15, 2026
检测周期: 2026 年 04 月 09 日 ~ 2026 年 04 月 15 日

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
通标标准技术服务(上海)有限公司
授权签名

Susu Zhang

Susu Zhang 张苏苏
Approved Signatory
批准签署人

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(PFAS)

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

检测要求: 根据客户要求检测。

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

检测方法: 见后续页。

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

检测结果: 见后续页。

Summary 总结:

671 Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content 671 项全氟和多氟烷基化合物 (PFAS) 含量	See Results 见检测结果
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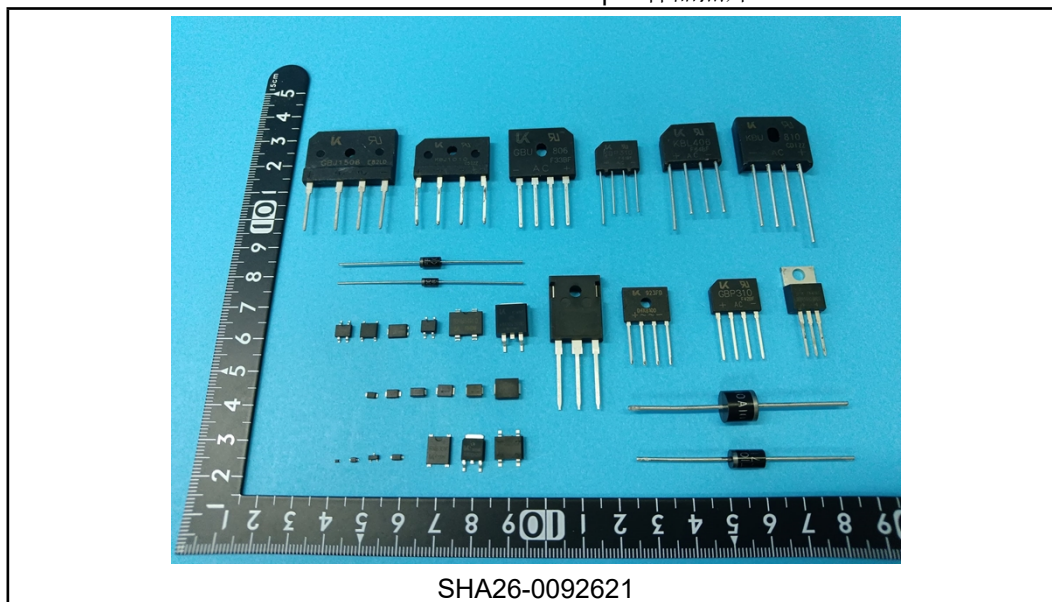
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Test Sample 检测样品:

Photo of Submitted Sample 样品照片:

SGS authenticate the photo on original report only
此照片仅限于随 SGS 正本报告使用**Test Part Description:**
检测部件外观描述:

SN ID 样品序号	Sample No. 样品编号	SGS Sample ID SGS 样品 ID	Description 样品描述
SN1	A1+A3	SHA26-0092621-0002	Black body with printing + Black/gray body 黑色本体带印字 + 黑色/灰色本体

671 Perfluoroalkyl and polyfluoroalkyl substances (PFAS) Content
671 项全氟和多氟烷基化合物 (PFAS) 含量**Test Method 检测方法:**

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

优化的 EN 17681-1:2025, 采用 LC-MS 或 LC-MS/MS 和 GC-MS 或 GC-MS/MS 进行分析。

Test Results: (Substances in the PFAS list)

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(PFAS)

检测结果: (PFAS 清单中的物质)

Substance Name 物质名称	CAS No.	A1+A3 Concentration (mg/kg) 浓度 (mg/kg)	MDL (mg/kg)
All tested PFAS in list 所有检测清单中的 PFAS	-	ND	-

Notes:

- (1) The table above only shows detected PFAS, and PFAS that below MDL are not reported. Please refer to Appendix for the full list of tested PFAS.
- (2) MDL = Method Detection Limit
ND = Not detected (lower than MDL)
- (3) The target PFAS is prohibited, and this test requirement is quoted from the client. If PFAS is detected, it is recommended to refer to relevant regulation to confirm the relevant requirements of PFAS.
- (4) ^=Substances refer to its salts/derivative listed in Appendix.
- (5) The conclusion is only applicable to the substance list in the report.

备注:

- (1) 上表仅显示检测到的 PFAS, 未报告低于 MDL 的 PFAS。有关已测试的 PFAS 的完整清单, 请参阅附录。
- (2) MDL= 方法检出限
ND = 未检出(低于 MDL)
- (3) 基于客户的检测要求, 禁用目标 PFAS。如果 PFAS 被检出, 建议参考相关的法规确认 PFAS 的对应要求。
- (4) ^=物质是指附录中列出的盐/衍生物。
- (5) 结论仅针对报告上的物质清单。

Remark:

备注:

Test was conducted on composite of random parts of the item as per client's request.

合测是基于客户要求, 选取合测样品中随机部位进行合样检测。

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior written approval of the Company.

The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ($w=0$) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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(PFAS)

(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 ₂ H ₄ OH) ₂)	70225-14-8	--
7		Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H 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-heptafluorooctane-1-sulfonate (PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8	--
9		TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄)	111873-33-7	--
10		Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7	--
11		Magnesium bis(heptafluorooctanesulphonate) (PFOS-Mg)	91036-71-4	--
12		Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctanesulfonate	71463-74-6	--
13		Perfluorooctanesulfonate	45298-90-6	--
14		Triethylammonium perfluorooctane sulfonate (PFOS-NH(C ₂ H ₅) ₃)	54439-46-2	--
15		Tetramethylammonium perfluorooctane sulfonate (PFOS-N(CH ₃) ₄)	56773-44-5	--
16		N,N,N-Tripropylpentan-1-aminium heptafluorooctane-1-sulfonate (PFOS-N(C ₃ H ₇) ₃ (C ₅ H ₁₁))	56773-56-9	--
17		N,N-Dibutyl-N-methylbutan-1-aminium heptafluorooctane-1-sulfonate (PFOS-N(C ₄ H 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 heptafluorooctane-1-sulfonate	773895-92-4	--
22		Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄)	2185049-59-4	--



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23		Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7	--
24		heptyldimethyl{2-[(2-methylprop-2-enyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-C ₁₅ H ₃₀ NO ₂)	1203998-97-3	--
25		Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7	--
26		Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9	--
27	FOSAA, its salts	Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8	0.010
28		N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6	--
29		N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4	--
30		N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5	--
31	N-MeFOSAA, its salts	N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)	2355-31-9	0.010
32		2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))	909405-48-7	--
33		Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5	--
34	N-EtFOSAA, its salts	N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)	2991-50-6	0.010
35		Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)	2991-51-7	--
36		2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))	909405-49-8	--
37		Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH ₄)	2991-52-8	--
38		Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9	--
39	--	N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	0.010
40	--	N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	0.010
41	--	2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	0.010
42	--	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	0.010
43	PFOSA, its salts	Perfluorooctane Sulfonamide (PFOSA)	754-91-6	0.010
44		Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9	--



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45		Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8	--
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 ₆ H 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 perfluorooctanoate (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 ₄ H 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 ₂ O) ₂)	98065-31-7	--
66		Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6	--
67		Pentadecafluorooctanoic acid--pyridine (1/1) (PFOA-C ₅ H ₅ N)	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	--



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
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-Perfluorododecane sulfonate (8:2 FTS-K)	438237-73-1	--
74		Ammonium 1H,1H,2H,2H-Perfluorododecane sulfonate (8:2 FTS-NH ₄)	149724-40-3	--
75		Sodium 1H,1H,2H,2H-Perfluorododecane 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 ₄ H 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 ₂ H 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-heptafluorodecyl) 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-Heptafluoro-1-decene (PFDE)	21652-58-4	0.200



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
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
102	8:8 PFPi, its salts	8:8 Perfluorophosphinic acid (8:8 PFPi)	40143-79-1	0.010
103		Bis(heptadecafluorooctyl)phosphinic Acid Sodium Salt (8:8 PFPi-Na)	500776-69-2	--
104		Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5	--
105		Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6	--
106	--	1H,1H,2H,2H-perfluorodecyl acetate (8:2 FTOAc)	37858-04-1	0.100
107	8:2 monoPAP, its salts	8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)	57678-03-2	0.100
108		8:2 Fluorotelomer diammonium phosphate	93857-44-4	-
109		Disodium 1H,1H,2H,2H-perfluorodecylphosphate	438237-75-3	-
110		Ammonium bis[2-(perfluorohexyl)ethyl] phosphate	1764-95-0	-
111		3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium salt	92401-44-0	-
112		Sodium 1H,1H,2H,2H-perfluorooctylphosphate	144965-22-0	-
113		Monopotassium monoperfluorohexyl ethylphosphate	150033-28-6	-
114		Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate	2353-52-8	-
115	PFNA, its salts	Perfluorononane Acid (PFNA)	375-95-1	0.010
116		Perfluorononanoate Na-Salt (PFNA-Na)	21049-39-8	--
117		Nonanoic acid, heptadecafluoro-, ammonium salt (PFNA-NH ₄)	4149-60-4	--
118		Potassium perfluorononanoate (PFNA-K)	21049-38-7	--
119		Perfluorononanoate Li-Salt (PFNA-Li)	60871-92-3	--
120		Silver perfluorononanoate (PFNA-Ag)	7358-16-9	--
121		Methanaminium perfluorononanoate (PFNA-NH ₃ (CH ₃))	77032-23-6	--
122		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 ₂ H ₅) ₂	77032-27-0	--
123		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	--



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
124		Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-NH(C ₂ H ₅) ₃)	327176-80-7	--
125		Nonanoic acid, heptadecafluoro-, compd. with piperidine (1:1) (9CI) (PFNA-NH ₂ (C ₅ H ₁₀))	95682-66-9	--
126		Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptadecafluoro-, compd. with benzenamine (1:1) (PFNA-NH ₃ (C ₆ H ₅))	95682-67-0	--
127		Nonanoic acid, heptadecafluoro-, compd. with cyclohexanamine (1:1) (9CI) (PFNA-NH ₃ (C ₆ H 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 ₄ O ₃ S)	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 (PFDA)	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 tricosafafluorododecanoate (PFDoDA-NH ₄)	3793-74-6	--
152		Perfluorododecanoate (anion)	171978-95-3	--



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153	PFTTrDA, its salts	Perfluorotridecanoic Acid (PFTTrDA)	72629-94-8	0.010
154		Ammonium perfluorotridecanoate (PFTTrDA-NH ₄)	4288-72-6	--
155		Sodium perfluorotridecanoate (PFTTrDA-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
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	--



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183	PFUnDS, its salts	Perfluoroundecane sulfonic acid (PFUnDS)	749786-16-1	0.010
184		Perfluoroundecanesulfonate (anion)	441296-91-9	--
185	PFD0DS, its salts	Perfluorododecanesulfonic acid (PFD0DS)	79780-39-5	0.010
186		Sodium perfluoro-1-dodecanesulfonate (PFD0DS-Na)	1260224-54-1	--
187		Potassium perfluorododecanesulfonate (PFD0DS-K)	85187-17-3	--
188		Perfluorododecane sulfonate (anion)	343629-43-6	--
189	PFTTrDS, its salts	Perfluorotridecane sulfonic acid (PFTTrDS)	791563-89-8	0.010
190		Sodium perfluoro-1-tridecanesulfonate (PFTTrDS-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 ₄ H ₁₁ O ₂)	57677-98-2	--
193	--	Perfluorodecyl iodide (PFDI)	423-62-1	0.100
194	--	Perfluorododecyl iodide (PFD0DI)	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 ₄ H ₉) ₄)	108427-54-9	--
205		N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate (PFHxS-N(C ₂ H 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 ₄ H 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-	1310480-24-0	--



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		hexanesulfonate (1:1) (Calculated in terms of PFHxS) (PFHxS-(NC ₁₀ H ₁₄) ₃ C ₅ H ₄)		
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 ₈ H ₁₀) ₂ C 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-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC ₈ H ₁₀) ₂ C ₁₇ H ₁₂)	1310480-28-4	--
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-(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 ₂ O 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 ₆ H 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 ₆ H ₄) ₂ (C ₄ H 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 (9Cl)(PFHxS-Ga)	341035-71-0	--



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
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 ₇ H ₇) ₂ C ₆ H 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-hexanesulfonic acid (1:2)(PFHxS-S ₃ (C ₆ H ₅) ₄ (C ₆ H ₄) ₂)	421555-73-9	--
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 ₆ H ₄) ₂ (C ₅ H ₁₁))	421555-74-0	--
225		Perfluorohexane 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 ₆ H ₄) ₃ (C ₄ H 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 ₂ H ₅ O) 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 ₂ H 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 ₆ H ₄) ₂ (C ₄ H 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 ₆ H ₅) ₂ C ₇ H ₇)	910606-39-2	--
232		Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6,6,7tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C ₆ H ₅) ₂ C ₁₀ H ₉ O 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	--



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
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		Perfluorohexylsulfonfyl 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[3.3.1.1 ^{3,7}]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate (PFHxS-Sulfonium, propenoate polymer)	911027-69-5	--
237		Perfluorohexane sulfonate (anion)	108427-53-8	--
238		Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P (C ₄ H 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		Perfluorohexane Acid (PFHxA)	307-24-4	0.010
250		Ammonium perfluorohexanoate (APFHx)	21615-47-4	--



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
251	PFHxA, its salts & derivatives	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) (8Cl,9Cl)	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 ₆ H 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	--
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 (6:2 FTS(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 ₂ H 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



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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 monoPAP, its salts	6:2 Fluorotelomer phosphate monoester (6:2 monoPAP)	57678-01-0	0.100
282		Diammonium 6:2 fluorotelomer phosphate monoester (6:2 monoPAP-NH ₄ NH ₄)	1000852-37-8	-
283	--	2h,2h,3h,3h-perfluorononanoic acid (6:3 FTCA)	27854-30-4	0.100
284	--	3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-thiol (6:2 FTSH)	34451-26-8	0.200
285	--	1H,1H,2H,2H-Perfluorooctyldimethylchlorosilane (6:2 FTSiMe ₂ Cl)	102488-47-1	0.200
286	--	1H,1H-Tridecafluoro-1-iodoheptane (6:1 FTI)	212563-43-4	0.200
287	--	4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide (6:3 FTI)	89889-20-3	0.200
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 ₂ OH-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 ₆ H 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	PFBA, its salts	Perfluorobutane Acid (PFBA)	375-22-4	0.010
302		Ammonium perfluorobutanoate (PFBA-NH ₄)	10495-86-0	--



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303		Sodium perfluorobutanoate (PFBA-Na)	2218-54-4	--
304		Potassium heptafluorobutanoate (PFBA-K)	2966-54-3	--
305		Silver perfluorobutanoate (PFBA-Ag)	3794-64-7	--
306		Lithium perfluorobutanoate (PFBA-Li)	4146-76-3	--
307		Heptafluorobutanoic acid-piperazine (1:1)	375-04-2	--
308		Perfluorobutanoate (anion)	45048-62-2	--
309		4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1) (PFBA-C ₆ H ₄ ClF ₆ N ₂ P)	--	--
310		Heptafluorobutanoic acid-1-phenylpiperazine (1:1) (PFBA-C ₁₀ H ₁₄ N ₂)	2263-11-8	--
311		Perfluorobutanoic anhydride (PFBAA)	336-59-4	--
312		Heptafluorobutanoic acid calcium salt (PFBA-Ca)	2366-98-5	--
313		Rhodium(II) perfluorobutyrate dimer (PFBA-Rh)	73755-28-9	--
314		Perfluorobutyryl chloride (PFBA-Cl)	375-16-6	--
315		Perfluorobutanoyl fluoride (PFBA-F)	335-42-2	--
316		Heptafluorobutanoyl Bromide (PFBA-Br)	375-13-3	--
317		4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1)	--	--
318		N5-(5-Hydroxy-4,6-dimethylpyrimidin-2-yl)-L-ornithine- heptafluorobutanoic acid (1/2)	936233-19-1	--
319	PFBS, its salts & derivatives	Perfluorobutanesulfonic acid (PFBS)	375-73-5	0.010
320		Perfluorobutanesulfonate K-salt (PFBS-K)	29420-49-3	--
321		Perfluorobutanesulfonic Acid Hydrate (PFBS-H ₂ O)	59933-66-3	--
322		lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5	--
323		Triphenyl Sulfonium Perfluorobutane Sulfonate (TPS-PFBS)	144317-44-2	--
324		Dimethyl(phenyl)sulfanium perfluorobutanesulfonate (PFBS-S(CH ₃) ₂ C ₆ H ₅)	220133-51-7	--
325		Tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate (PFBS-P(C ₄ H ₉) ₄)	220689-12-3	--
326		N,N,N,-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate(PFBS-N(C ₂ H ₅) ₄)	25628-08-4	--
327		Nonafluorobutanesulfonyl fluoride (PFBS-F)	375-72-4	--
328		Morpholinium perfluorobutanesulfonate (PFBS-NC ₄ H ₉ O)	503155-89-3	--
329		Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3	--
330		Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate (PFBS-NH ₄)	68259-10-9	--



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331		1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate (PFBS-SC ₁₈ H ₂₃ O)	209482-18-8	--
332		1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl chloride (PFBS-Cl)	2991-84-6	--
333		Sodium perfluorobutanesulfonate (PFBS-Na)	60453-92-1	--
334		Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate (PFBS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	194999-85-4	--
335		1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1) (PFBS-NH(C ₂ H ₅ O) ₂)	70225-18-2	--
336		Tetrabutylammonium nonafluorobutanesulfonate ((PFBS-N(C ₄ H ₉) ₄))	108427-52-7	--
337		Diphenyliodonium nonafluorobutane-1-sulfonate((PFBS-I(C ₆ H ₅) ₂))	194999-82-1	--
338		Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	241806-75-7	--
339		Sulfonium, (4-cyclohexylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	425670-64-0	--
340		Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	867373-18-0	--
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	--



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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	--
354		N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanesulfonate (1:1)	334529-55-4	--
355		1-Hexadecylpyridinium perfluoro-1-butanesulfonate	334529-62-3	--
356		1-Butylpyridinium perfluoro-1-butanesulfonate	334529-64-5	--
357		N-Methyl-N,N-dioctyl-1-octanaminium perfluoro-1-butanesulfonate	495417-51-1	--
358		Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanesulfonic acid (1:1)	722538-68-3	--
359		N-Ethyl-N-methyl-N-propylammonium perfluorobutanesulfonate	1186599-90-5	--
360		[4-(2-Methylpropyl)phenyl]-diphenylsulfonium; 1,1,2,2,3,3,4, 4,4-nonafluorobutane-1-sulfonate	1375211-36-1	--
361		Diphenyl 4-tertbutylphenylsulfonium nonafluorobutanesulfonate	258872-05-8	--
362		Diphenyl(4-methylphenyl)sulfonium nonafluorobutanesulfonate	284474-28-8	--
363		Trimethylsilyl nonafluorobutanesulfonate	68734-62-3	--
364	PFPeA, its salts	Perfluoropentane Acid (PFPeA)	2706-90-3	0.010
365		Sodium perfluoropentanoate(PFPeA-Na)	2706-89-0	--
366		Potassium perfluoropentanoate(PFPeA-K)	336-23-2	--
367		Lithium perfluoropentanoate (PFPeA-Li)	198482-22-3	--
368		Silver perfluoropentanoate (PFPeA-Ag)	2795-30-4	--
369		Ammonium perfluoropentanoate(PFPeA-NH ₄)	68259-11-0	--
370		Perfluoropentanoate (anion)	45167-47-3	--
371		Nonafluoropentanoic acid -1-benzylthiourea (1:1) (PFPeA-C ₈ H ₁₀ N ₂ S)	64808-55-5	--
372		Perfluoropentanoic anhydride (PFPeAA)	308-28-1	--
373		Perfluoropentanoyl chloride (PFPeA-Cl)	375-60-0	--
374		Perfluoropentanoyl fluoride (PFPeA-F)	375-62-2	--
375		7H-Dodecanefluoroheptane Acid (HPFHpA)	1546-95-8	0.010



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376	HPFHpA, its salts	Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na)	2264-25-7	--
377		Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH ₄)	376-34-1	--
378		7-H-Perfluoroheptanoate (HPFHpA(anion))	69681-35-2	--
379		Potassium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-K)	--	--
380		Lithium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Li)	--	--
381		7H-Perfluoroheptanoyl chloride (HPFHpA-Cl)	41405-35-0	--
382		7H-Perfluoroheptanoyl fluoride (HPFHpA-F)	5927-65-1	--
383		Perfluoroheptanoyl Bromide (HPFHpA-Br)	159623-34-4	--
384	PFHpS, its salts	Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.010
385		Perfluoroheptanesulfonate Na-salt (PFHpS-Na)	21934-50-9	--
386		Potassium Perfluoroheptanesulfonate (PFHpS-K)	60270-55-5	--
387		Ammonium perfluoroheptanesulfonate (PFHpS-NH ₄)	68259-07-4	--
388		Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9	--
389		1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)	70225-15-9	--
390		Perfluoroheptane sulfonate (anion)	146689-46-5	--
391		Triethylammonium perfluoroheptane sulfonate	72033-40-0	--
392		Tetraethylammonium perfluoroheptane sulfonate	439863-97-5	--
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		Perfluoroheptanoate (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	--



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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		Triethylammonium 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 ₃ NO 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	--
421		4:2 Fluorotelomer sulfonate (4:2 FTS(anion))	414911-30-1	--
422	PFPeS, its salts	Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.010
423		Sodium perfluoro-1-pentanesulfonate (PFPeS-Na)	630402-22-1	--
424		Potassium perfluoropentane-1-sulphonate (PFPeS-K)	3872-25-1	--
425		Ammonium perfluoropentanesulfonate (PFPeS-NH ₄)	68259-09-6	--
426		Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate	70225-17-1	--
427		Undecafluoropentane-1-sulfonic acid lithium salt (PFPeS-Li)	1046864-81-6	--
428		Perfluoropentane sulfonate (anion)	175905-36-9	--
429		Triethylammonium perfluoropentane sulfonate	72033-42-2	--



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430		Perfluoropentane sulfonic anhydride (PFPeSA)	161877-72-1	--
431	--	2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3	0.010
432	5:3 FTCA, its salts	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	0.010
433		2H,2H,3H,3H-Perfluorooctanoate (5:3 FTCA(anion))	1799325-94-2	--
434	PFHxDA, its salts	Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	0.010
435		Hentriacontafluorohexadecanoate anion (PFHxDA(anion))	1214264-30-8	--
436	PFODA, its salts	Perfluorooctadecanoic Acid (PFODA)	16517-11-6	0.010
437		Perfluorooctadecanoate anion (PFODA(anion))	798556-82-8	--
438	--	1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA)	2144-53-8	0.200
439	ADONA, its salts	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	0.010
440		Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA-NH ₄)	958445-44-8	--
441		Sodium 4,8-dioxa-3H-perfluorononanoate (ADONA-Na)	2250081-67-3	--
442		Potassium 2,2,3-trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA-K)	1087271-46-2	--
443		2,2,3-Trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA(anion))	2127366-90-7	--
444	PFMPA, its salts	Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	0.010
445		Perfluoro-3-methoxypropanoic anhydride (PFMPAA)	42566-65-4	--
446	--	Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	0.010
447	--	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	0.010
448	9Cl-PF ₃ ONS, its salts	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF ₃ ONS)	756426-58-1	0.010
449		Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF ₃ ONS-K)	73606-19-6	--
450		Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF ₃ ONS-NH ₄)	1383434-28-3	--
451		Perfluoro(2-[(6-chlorohexyl)oxy]ethanesulfonate) (9Cl-PF ₃ ONS(anion))	1621485-21-9	--
452	11Cl-PF ₃ OUdS, its salts	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF ₃ OUdS)	763051-92-9	0.010
453		Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF ₃ OUdS-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-	2196242-82-5	--



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
		tetrafluoroethanesulfonate (11Cl-PF ₃ OUdS (anion))		
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		Nonacosafuoropentadecanoate (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 ₃ H ₈ O)	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-icosafuoroundecanoate (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-icosafuoroundecanoate (11H-PFUnDA-NH ₄)	5081-02-7	--
471		11-H-Perfluoroundecanoate (11H-PFUnDA(anion))	69681-37-4	--
472	PFPrA, its salts	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		Pentafluoropropanoic acid-1-phenylpiperazine (1/1) (PFPrA-C ₁₀ H ₁₄ N ₂)	893-87-8	--



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479		Pentafluoropropanoic acid-piperazine (1/1) (PFPrA-C ₄ H ₁₀ N ₂)	1690-94-4	--
480		Imidazole perfluoropropionic acid salt (PFPrA-C ₃ H ₄ N ₂)	200705-90-4	--
481	HFPO-TA, its salts	Hexafluoropropylene oxide trimer acid (HFPO-TA)	13252-14-7	0.200
482		Propanoic acid, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]-, potassium salt (HFPO-TA-K)	67118-57-4	--
483		Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid, sodium salt (HFPO-TA-Na)	67963-76-2	--
484		Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy)-, ammonium salt (HFPO-TA-NH ₄)	13043-05-5	--
485		Perfluoro(2,5-dimethyl-3,6-dioxanonanoyl) fluoride (HFPO-TA-F)	2641-34-1	--
486	PFETs, its salts	Perfluoroethane sulfonic acid (PFETs)	354-88-1	0.010
487		Pentafluoroethanesulfonate (PFETs (anion))	108410-37-3	--
488		Potassium pentafluoroethane-1-sulfonate (PFETs-K)	2837-92-5	--
489	6:2 diPAP, its salts	6:2 Fluorotelomer phosphate diester (6:2 diPAP)	57677-95-9	0.010
490		Sodium bis[2-(perfluorohexyl)ethyl]phosphate (6:2 diPAP-Na)	407582-79-0	--
491		Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)phosphate ion(1-) (6:2 diPAP(Anion))	667465-18-1	--
492	TFSI, its salts	Bis(trifluoromethane)sulfonimide (TFSI)	82113-65-3	0.010
493		1-Butyl-1-methylpyrrolidinium Bis(trifluoromethanesulfonyl)imide	223437-11-4	--
494		Tributylmethylammonium Bis(trifluoromethanesulfonyl)imide	405514-94-5	--
495		Lithium Bis(trifluoromethane)sulfonimide (TFSI-Li)	90076-65-6	--
496		1-Decyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide	433337-23-6	--
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	--



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501		(OC-6-11)-Tris(1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl-kappaO)methanesulfonamido-kappaO)iron ((TFSI) ₃ -Fe)	207861-59-4	--
502		Copper(II) trifluoromethanesulfonimide xhydrate ((TFSI) ₂ -CuH ₂ O)	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	--
521		1,1,1-trifluoro-N-trifluoromethanesulfonyl-N-((N-trifluoromethanesulfonyl)trifluoromethanesulfonamido)calcio)methanesulfonamide ((TFSI) ₂ -Ca)	165324-09-4	--
522		Choline bis(trifluoromethylsulfonyl)imide	827027-25-8	--
523		1-Dodecyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide	404001-48-5	--



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524		1-Ethyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide	223436-99-5	--
525		Diethylmethylsulfonium bis(trifluoromethylsulfonyl)imide	792188-85-3	--
526		Bis(trifluoromethylsulfonyl)azanide;mercury(2+) ((TFSI) ₂ -Hg)	104715-41-5	--
527		Cerium(III) Bis(trifluoromethanesulfonyl)imide (TFSI-Ce)	1046099-39-1	--
528		Cadmium bis{bis[(trifluoromethyl)sulfonyl]azanide} (TFSI-Cd)	1263295-73-3	--
529		Bis(trifluoromethanesulfonyl)imide Lanthanum(III) Salt (TFSI-La)	168106-26-1	--
530		Scandium(III) bis(trifluoromethylsulfonyl)imide (TFSI-Sc)	176726-07-1	--
531		Yttrium(III) bis(trifluoromethanesulfonyl)imide (TFSI-Y)	189114-86-1	--
532		Vanadium tris(bis(trifluoromethanesulfon)imide) (TFSI-V)	207861-54-9	--
533		Iron(II) bis(trifluoromethanesulfonyl)imide (TFSI-Fe)	207861-57-2	--
534		Tin(II) bis(trifluoromethylsulfonyl)imide (TFSI-Sn)	460096-08-6	--
535		Cesium bis(trifluoromethanesulfonyl)imide (TFSI-Cs)	91742-16-4	--
536		Sodium bis(trifluoromethanesulfonyl)imide (TFSI-Na)	91742-21-1	--
537	10:2 monoPAP, its salts	10:2 Fluortelomerphosphatemonoester (10:2 monoPAP)	57678-05-4	0.100
538		10:2 Fluortelomer diammonium dihydrogen phosphate	93857-45-5	--
539		3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,12-Henicosafuorododecyl dihydrogen phosphate cyclohexylamine	2514858-66-1	--
540	--	N-(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl)iodoacetamide	852527-50-5	0.010
541	TFMS, its salts	Trifluoromethane sulfonic acid (TFMS)	1493-13-6	0.010
542		Trifluoromethane sulfonic acid Sodium salt (TFMS-Na)	2926-30-9	--
543		Silver trifluoromethanesulfonate (TFMS-Ag)	2923-28-6	--
544		Zinc trifluoromethanesulfonate (TFMS-Zn)	54010-75-2	--
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	--



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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		Methyltriocetyl ammonium 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	--
577		O-Pivaloylhydroxylamine trifluoromethanesulfonate	1293990-73-4	--
578		Trifluoromethanesulfonyl chloride	421-83-0	--



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
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		Dysprosium(III) tris(trifluoromethanesulfonate)(TFMS-Dy)	139177-62-1	--
583		Manganese bis(trifluoromethanesulfonate)(TFMS-Mn)	55120-76-8	--
584		Pentaammine(trifluoromethanesulfonato)osmium(I II) triflate	83781-30-0	--
585		Lutetium(III) trifluoromethanesulfonate(TFMS-Lu)	126857-69-0	--
586		Terbium(III) trifluoromethanesulfonate(TFMS-Tb)	148980-31-8	--
587		Neodymium(III) trifluoromethanesulfonate(TFMS-Nd)	34622-08-7	--
588		Ammonium trifluoromethanesulfonate(TFMS-NH ₄)	38542-94-8	--
589		Holmium(III) trifluoromethanesulfonate(TFMS-Ho)	139177-63-2	--
590		Trifluoromethanesulfonate	37181-39-8	--
591		Praseodymium(III) trifluoromethanesulfonate(TFMS-Pr)	52093-27-3	--
592		Bismuth(III) trifluoromethanesulfonate(TFMS-Bi)	88189-03-1	--
593		Europium(III) trifluoromethanesulfonate(TFMS-Eu)	52093-25-1	--
594		Erbium(III) trifluoromethanesulfonate(TFMS-Er)	139177-64-3	--
595		Gallium(III) trifluoromethanesulfonate(TFMS-Ga)	74974-60-0	--
596		N,N,N-Triethyl-2,2,2-trifluoroethan-1-aminium trifluoromethanesulfonate	380230-73-9	--
597		Methanesulfonic acid, trifluoro-, calcium salt(TFMS-Ca)	55120-75-7	--
598		Thallium(1+) trifluoromethanesulfonate(TFMS-Tl)	73491-36-8	--
599		Hafnium(IV) Trifluoromethanesulfonate(TFMS-Hf)	161337-67-3	--
600		1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctyl)pyridinium trifluoromethanesulfonate	25061-59-0	--
601		Tetrapropylammonium trifluoromethanesulphonate (TFMS- N(C ₃ H ₇) ₄)	35925-48-5	--
602		(Heptafluoropropyl)(phenyl)iodanium trifluoromethanesulfonate	77758-79-3	--
603		Phenyl(tridecafluorohexyl)iodanium trifluoromethanesulfonate	77758-84-0	--
604		(Heptadecafluorooctyl)(phenyl)iodanium trifluoromethanesulfonate	77758-89-5	--
605		(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)(phenyl)iodanium trifluoromethanesulfonate	82959-18-0	--



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
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-butanefulfonamide (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]sulfonium trifluoroacetate	57738-66-6	--
635		Aluminium tris(trifluoroacetate)(TFA-Al)	36554-89-9	--



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No.	Group Name	Substance Name	CAS No.	MDL (mg/kg)
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 ₂ H ₅) ₄)	30093-29-9	--
652		Tetrabutylammonium trifluoroacetate(TFA-N(C ₄ H ₉) ₄)	39481-22-6	--
653		Europium(3+) trifluoroacetate-water (1/3/3)(TFA-Eu.H ₂ O)	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	PFDPA, its salts	1-Ethyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide	216299-76-2	--
660		Perfluoro-2-ethoxypropanoic acid(PEPA)	267239-61-2	0.010
661		Perfluorodecylphosphonic acid (PFDPA)	52299-26-0	0.010
662	PFHxPA, its salts	Perfluorodecylphosphonic Acid 4-Methylbenzamine	--	--
663		Perfluorodecylphosphonic Acid Di-4-toluidine Salt	--	--
664		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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(1) PFAS 及其盐类和衍生物清单

No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
1	PFOS, 及其 盐&衍生物	全氟辛烷磺酸(PFOS)	1763-23-1	0.010
2		全氟辛基磺酸钾(PFOS-K)	2795-39-3	--
3		全氟辛基磺酸锂(PFOS-Li)	29457-72-5	--
4		全氟辛基磺酸钠(PFOS-Na)	4021-47-0	--
5		全氟辛基磺酸铵(PFOS-NH ₄)	29081-56-9	--
6		全氟辛基磺酸二乙醇铵(PFOS-NH ₂ (C ₂ H ₄ OH) ₂)	70225-14-8	--
7		全氟辛基磺酸四乙基铵(PFOS-N(C ₂ H ₅) ₄)	56773-42-3	--
8		全氟辛基磺酸二癸二甲基铵(PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8	--
9		全氟辛基磺酸四丁基铵(PFOS-N(C ₄ H ₉) ₄)	111873-33-7	--
10		全氟辛基磺酰氟(PFOS-F)	307-35-7	--
11		双[十七氟辛烷磺酸]镁(PFOS-Mg)	91036-71-4	--
12		全氟辛烷磺酸吡啶	71463-74-6	--
13		全氟辛烷磺酸盐	45298-90-6	--
14		全氟辛烷磺酸三乙基铵(PFOS-NH(C ₂ H ₅) ₃)	54439-46-2	--
15		全氟辛烷磺酸四甲基铵(PFOS-N(CH ₃) ₄)	56773-44-5	--
16		N, N,N-三丙基戊烷-1-七氟辛烷-1-磺酸铵(PFOS-N(C ₃ H ₇) ₃ (C ₅ H ₁₁))	56773-56-9	--
17		N,N-二丁基-N-甲基丁烷-1-胺十七氟辛烷-1-磺酸酯(PFOS-N(C ₄ H ₉) ₃ (CH ₃))	124472-68-0	--
18		双[4-(1,1-二甲基乙基)苯基]-碘鎓与全氟-1-辛烷磺酸的盐(1:1)	213740-80-8	--
19		全氟-1-辛烷磺酸二苯基(2,4,6-三甲基苯基)鎓	258341-99-0	--
20		全氟-1-辛烷磺酸 1-十六烷基吡啶鎓	334529-63-4	--
21		N,N,N-三乙基癸-1-胺十七氟辛烷-1-磺酸盐	773895-92-4	--
22		全氟辛烷磺酸四丁基磷 (PFOS-P (C ₄ H ₉) ₄)	2185049-59-4	--
23		全氟辛基磺酸二乙胺 (PFOS-C ₄ H ₁₁ N)	2205029-08-7	--
24		全氟辛基磺酸庚基二甲基-[2-(2-甲基丙-2-烯酰氧基)乙基]胺 (PFOS-C ₁₅ H ₃₀ NO ₂)	1203998-97-3	--
25		全氟辛基磺酸酐(PFOSAN)	423-92-7	--
26		全氟辛基磺酰氯(PFOS-Cl)	423-60-9	--
27	FOSAA, 及 其盐	N-(全氟-1-辛烷磺酰基)甘氨酸(FOSAA)	2806-24-8	0.010
28		全氟辛烷磺酰氨基乙酸盐 (FOSAA(anion))	909405-47-6	--
29		全氟辛烷磺酰氨基乙酸钾 (FOSAA-K)	75260-69-4	--
30		全氟辛烷磺酰氨基乙酸钠 (FOSAA-Na)	115716-87-5	--
31		N-甲基-N-(全氟-1-辛烷磺酰基)甘氨酸 (N-MeFOSAA)	2355-31-9	0.010



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
63		全氟辛酸四甲基胺	32609-65-7	--
64		全氟辛酸四丙基胺	277749-00-5	--
65		全氟辛酸钾水合物 (PFOA-K(H ₂ O) ₂)	98065-31-7	--
66		全氟辛酸乙胺 (PFOA-C ₂ H ₇ N)	1376936-03-6	--
67		全氟辛酸吡啶 (PFOA-C ₅ H ₅ N)	95658-47-2	--
68		全氟辛酸苯基吡啶 (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7	--
69		全氟辛酸辛基三甲基铵 (PFOA-C ₁₁ H ₂₆ N)	927835-01-6	--
70		全氟辛酰氯 (PFOA-Cl)	335-64-8	--
71		全氟辛酰溴 (PFOA-Br)	222037-87-8	--
72		1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)	39108-34-4	0.010
73	8:2 FTS, 及其盐	1H,1H,2H,2H-全氟癸磺酸钾(8:2 FTS-K)	438237-73-1	--
74		1H,1H,2H,2H-全氟癸磺酸铵(8:2 FTS-NH ₄)	149724-40-3	--
75		1H,1H,2H,2H-全氟癸磺酸钠(8:2 FTS-Na)	27619-96-1	--
76		1H,1H,2H,2H-全氟癸磺酸盐 (8:2 FTS(anion))	481071-78-7	--
77		1H,1H,2H,2H-全氟癸磺酰氯 (8:2 FTS-Cl)	27619-90-5	--
78	--	全氟辛酸甲酯(Me-PFOA)	376-27-2	0.200
79	--	全氟辛酸乙酯(Et-PFOA)	3108-24-5	0.200
80	--	1H,1H,2H,2H-全氟癸基丙烯酸酯(8:2 FTA)	27905-45-9	0.100
81	--	1H,1H,2H,2H-甲基丙烯酸全氟癸酯(8:2 FTMA)	1996-88-9	0.100
82	--	全氟辛基碘烷(PFOI)	507-63-1	0.200
83	8:2 FTCA, 及其盐	2H,2H-全氟癸酸(8:2 FTCA)	27854-31-5	0.010
84		四丁基磷 2H,2H-全氟癸酸酯(8:2 FTCA-P(C ₄ H ₉) ₄)	882489-14-7	--
85	--	1H,1H,2H,2H-全氟-1-癸醇(8:2 FTOH)	678-39-7	0.100
86	--	1-碘-1H,1H,2H,2H-全氟癸烷(8:2 FTI)	2043-53-0	0.100
87	--	1H,1H,2H,2H-全氟癸基三乙氧基硅烷(8:2 FTSi(OC ₂ H ₅) ₃)	101947-16-4	0.100
88	8:2 diPAP, 及其盐	双[2-(全氟辛基)]乙基磷酸酯(8:2 diPAP)	678-41-1	0.010
89		双[2-(全氟辛基)]乙基磷酸酯钠(8:2 diPAP-Na)	114519-85-6	--
90		双(2-羟乙基)铵双(全氟辛基)乙基磷酸氢	57677-97-1	--
91		双[2-(全氟辛基)]乙基磷酸酯铵盐(8:2 diPAP-NH ₄)	93776-20-6	--
92		8:2 氟调聚物磷酸二酯离子	1411713-91-1	--
93	8:3 FTCA, 及其盐	2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA)	34598-33-9	0.010
94		2H,2H,3H,3H-全氟十一烷酸钾(8:3 FTCA-K)	83310-58-1	--
95		2H,2H,3H,3H-全氟十一酸锂(8:3 FTCA-Li)	67304-23-8	--



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
96	--	全氟辛基乙烯(PFDE)	21652-58-4	0.100
97	--	3-全氟庚基丙酸(7:3 FTCA)	812-70-4	0.010
98	--	1H,1H,2H,2H-全氟癸基三氯硅烷	78560-44-8	0.100
99	--	1H,1H,2H,2H-全氟癸基三甲氧基硅烷	83048-65-1	
100	--	2H-全氟-2-癸烯酸(8:2 FTUCA)	70887-84-2	0.010
101	--	6:8 全氟次膦酸(6:8 PFPI)	610800-34-5	0.010
102	8:8 PFPI, 及其盐	8:8 全氟次膦酸 (8:8 PFPI)	40143-79-1	0.010
103		8:8 全氟次膦酸钠盐 (8:8 PFPI-Na)	500776-69-2	--
104		8:8 全氟次膦酸铒(3+)盐 (8:8 PFPI-Er)	500776-70-5	--
105		8:8 全氟次膦酸镱(3+)盐 (8:8 PFPI-Yb)	500776-71-6	--
106	--	1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)	37858-04-1	0.100
107	8:2 monoPAP, 及其盐	单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP)	57678-03-2	0.100
108		8:2 氟调聚物磷酸二铵盐	93857-44-4	--
109		8:2 氟调聚物磷酸钠盐	438237-75-3	--
110		双[2-(全氟辛基)乙基]磷酸铵盐	1764-95-0	--
111		单[2-(全氟辛基)乙基]磷酸铵盐	92401-44-0	--
112		单[2-(全氟辛基)乙基]磷酸单钠盐	144965-22-0	--
113		单[2-(全氟辛基)乙基]磷酸单钾盐	150033-28-6	--
114		单[2-(全氟辛基)乙基]磷酸氢铵盐	2353-52-8	--
115	PFNA, 及其盐	全氟壬酸(PFNA)	375-95-1	0.010
116		全氟壬酸钠(PFNA-Na)	21049-39-8	--
117		全氟壬酸铵(PFNA-NH ₄)	4149-60-4	--
118		全氟壬酸钾(PFNA-K)	21049-38-7	--
119		全氟壬酸锂(PFNA-Li)	60871-92-3	--
120		全氟壬酸银(PFNA-Ag)	7358-16-9	--
121		全氟壬酸甲铵(PFNA-NH ₃ (CH ₃))	77032-23-6	--
122		全氟壬酸-N-乙基乙胺(1:1) (PFNA-NH ₂ (C ₂ H ₅) ₂)	77032-27-0	--
123		全氟壬酸-N-甲基甲胺(1:1) (PFNA-NH ₂ (CH ₃) ₂)	77032-24-7	--
124		全氟壬酸-N, N-二乙基乙酰胺(1:1) (9CI) (PFNA-NH(C ₂ H ₅) ₃)	327176-80-7	--
125		全氟壬酸-哌啶(1:1) (9CI) (PFNA-NH ₂ (C ₅ H ₁₀))	95682-66-9	--
126		全氟壬酸-苯胺(1:1) (PFNA-NH ₃ (C ₆ H ₅))	95682-67-0	--
127		全氟壬酸-环己胺(1:1) (9CI) ((PFNA-NH ₃ (C ₆ H ₁₁))	328531-06-2	--
128		全氟壬酸盐	72007-68-2	--
129		全氟壬酸磺胺甲氧基哒嗪(PFNA-C ₁₁ H ₁₂ N ₄ O ₃ S)	298703-33-0	--



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
165		全氟癸烷磺酸酐(PFDSA)	51667-62-0	--
166		全氟癸烷磺酰氟(PFDS-F)	307-51-7	--
167		全氟癸烷磺酰氯(PFDS-Cl)	32779-61-6	--
168	--	1H,1H,2H,2H-全氟-1-十二烷醇(10:2 FTOH)	865-86-1	0.100
169	--	1H,1H,2H,2H-全氟十二烷基丙烯酸酯(10:2 FTA)	17741-60-5	0.100
170	--	1H,1H,2H,2H-全氟十二烷基甲基丙烯酸酯(10:2 FTMA)	2144-54-9	0.100
171	--	1,1,2,2-四氢全氟-1-十四醇(12:2 FTOH)	39239-77-5	0.100
172	10:2 FTS, 及其盐	1H,1H,2H,2H-全氟十二烷磺酸(10:2 FTS)	120226-60-0	0.100
173		1H,1H,2H,2H-全氟十二烷磺酸钠(10:2 FTS-Na)	108026-35-3	--
174		1H,1H,2H,2H-全氟十二烷磺酰氯(10:2 FTS-Cl)	27619-91-6	--
175	--	全氟癸基乙基碘(10:2 FTI)	2043-54-1	0.100
176	--	1H,1H,2H,2H-全氟十四烷基碘(12:2 FTI)	30046-31-2	0.100
177	PFNS, 及其盐	全氟壬烷磺酸(PFNS)	68259-12-1	0.010
178		全氟壬烷磺酸钠(PFNS-Na)	98789-57-2	--
179		全氟壬烷磺酸铵(PFNS-NH ₄)	17202-41-4	--
180		全氟壬烷磺酸钾(PFNS-K)	29359-39-5	--
181		全氟壬烷磺酸盐	474511-07-4	--
182		全氟壬烷磺酰氟(PFNS-F)	68259-06-3	--
183	PFUnDS, 及其盐	全氟十一烷磺酸(PFUnDS)	749786-16-1	0.010
184		全氟十一烷磺酸盐	441296-91-9	--
185	PFD _o DS, 及其盐	全氟十二烷磺酸(PFD _o DS)	79780-39-5	0.010
186		全氟十二烷磺酸钠(PFD _o DS-Na)	1260224-54-1	--
187		全氟十二烷磺酸钾(PFD _o DS-K)	85187-17-3	--
188		全氟十二烷磺酸盐	343629-43-6	--
189	PFT _r DS, 及其盐	全氟十三烷磺酸(PFT _r DS)	791563-89-8	0.010
190		全氟十三烷磺酸钠(PFT _r DS-Na)	174675-49-1	--
191	10:2 diPAP, 及其盐	双[2-(全氟癸基)乙基]磷酸盐(10:2 diPAP)	1895-26-7	0.100
192		2,2'-亚氨基二乙醇双[2-(全氟癸基)乙基]磷酸盐(10:2 diPAP-C ₄ H ₁₁ O ₂)	57677-98-2	--
193	--	1-碘全氟癸烷(PFDI)	423-62-1	0.100
194	--	全氟碘代十二烷(PFD _o DI)	307-60-8	0.100
195	--	2H-全氟-2-十二烯酸(10:2 FTUCA)	70887-94-4	0.010
196	--	2-全氟癸基乙酸(10:2 FTCA)	53826-13-4	0.010
197	--	1H,1H,2H,2H-全氟癸基乙酸酯(10:2 FTOAc)	37858-05-2	0.100
198		全氟己基磺酸(PFH _x S)	355-46-4	0.010



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199	PFHxS, 及其盐&衍生物	全氟己基磺酸钠(PFHxS-Na)	82382-12-5	--
200		全氟己基磺酸钾(PFHxS-K)	3871-99-6	--
201		全氟己基磺酸锂(1:1)(PFHxS-Li)	55120-77-9	--
202		全氟己基磺酸铵(PFHxS-NH ₄)	68259-08-5	--
203		全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)	1000597-52-3	--
204		N,N,N-三丁基丁烷-1-胺全氟己基磺酸盐(PFHxS-N(C ₄ H ₉) ₄)	108427-54-9	--
205		N,N,N-三乙基乙胺全氟己基磺酸盐(PFHxS-N(C ₂ H ₅) ₄)	108427-55-0	--
206		全氟己基磺酸与四氢吡咯络合物(PFHxS-NC ₄ H ₉)	1187817-57-7	--
207		全氟-1-己基磺酸-N-[4-[[4-(二乙基氨基)苯基][4-(乙基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-乙基-乙铵盐(PFHxS-(NC ₁₀ H ₁₄) ₃ C ₅ H ₄)	1310480-24-0	--
208		全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(乙基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-(NC ₈ H ₁₀) ₂ C ₁₃ H ₁₂)	1310480-27-3	--
209		全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(苯基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-(NC ₈ H ₁₀) ₂ C ₁₇ H ₁₂)	1310480-28-4	--
210		全氟己基磺酸与β-环糊精络合物(PFHxS-C ₄₂ H ₇₀ O ₃₅)	1329995-45-0	--
211		全氟己基磺酸与γ-环糊精络合物(PFHxS-C ₄₈ H ₈₀ O ₄₀)	1329995-69-8	--
212		全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)	144116-10-9	--
213		全氟己基磺酸喹啉, 1-(羧甲基)-4-[2-[4-[4-(2,2-二苯基噻吩基)苯基]-1,2,3a,4,8b-六氢环戊并[b]呋喃-7-基]乙烯基]盐(PFHxS-C ₄₄ H ₃₇ N ₂ O ₂)	1462414-59-0	--
214		全氟己基磺酸二苯基碘鎓盐(PFHxS-I(C ₆ H ₅) ₂)	153443-35-7	--
215		N,N,N-三甲基-全氟己基磺酸甲基铵盐(PFHxS-TMA)	189274-31-5	--
216		全氟己基磺酸与2-甲基-2-丙胺络合物(1:1)(PFHxS-NH ₂ (CH ₃) ₃)	202189-84-2	--
217		全氟己基磺酸双[4-(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	213740-81-9	--
218		全氟己基磺酸镓(9Cl)(PFHxS-Ga)	341035-71-0	--
219		全氟己基磺酸双(4-甲基苯基)苯基硫鎓盐(1:1)(PFHxS-S(C ₇ H ₇) ₂ C ₆ H ₅)	341548-85-4	--
220		全氟己基磺酸铈(PFHxS-Sc)	350836-93-0	--
221		全氟己基磺酸钕(PFHxS-Nd)	41184-65-0	--



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
222		全氟己基磺酸钇(PFHxS-Y)	41242-12-0	--
223		全氟己基磺酸(硫代二-4,1-亚苯基)双[二苯基]硫鎓盐 (PFHxS-S ₃ (C ₆ H ₅) ₄ (C ₆ H ₄) ₂)	421555-73-9	--
224		全氟己基磺酸双[4-(1,1-二甲基丙基)苯基]碘鎓盐 (PFHxS-I(C ₆ H ₄) ₂ (C ₅ H ₁₁) ₂)	421555-74-0	--
225		全氟己基磺酰氟(PFHxS-F)	423-50-7	--
226		全氟己基磺酸三[4-(1,1-二甲基乙基)苯基]硫鎓盐 (PFHxS-S(C ₆ H ₄) ₃ (C ₄ H ₉) ₃)	425670-70-8	--
227		全氟己基磺酸锌(PFHxS-Zn)	70136-72-0	--
228		全氟己基磺酸与 2,2'-亚氨基二乙醇络合物(PFHxS- NH(C ₂ H ₅ O) ₂)	70225-16-0	--
229		全氟己基磺酸与三乙胺络合物(1:1)(PFHxS-N(C ₂ H ₅) ₃)	72033-41-1	--
230		全氟己基磺酸双[(1,1-二甲基乙基)苯基]碘鎓盐 (PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	866621-50-3	--
231		全氟己基磺酸(4-甲基苯基)二苯硫鎓盐(PFHxS- S(C ₆ H ₅) ₂ C ₇ H ₇)	910606-39-2	--
232		全氟己基磺酸[4-[(2-甲基-1-氧代-2-丙烯酰)氧基]苯基] 二苯基硫鎓盐(PFHxS-S(C ₆ H ₅) ₂ C ₁₀ H ₉ O ₂)	911027-68-4	--
233		全氟己基磺酸铯(1:1)(PFHxS-Cs)	92011-17-1	--
234		二苯并[k,n][1,4,7,13]四氧杂硫环戊二烯,19-[4-(1,1-二 甲基乙基)苯基]-6,7,9,10,12,13-六氢-,全氟己基磺酸 盐(PFHxS-SC ₂₈ H ₃₁ O ₄)	928049-42-7	--
235		全氟己基磺酰氯(PFHxS-Cl)	55591-23-6	--
236		PFHxS-磺酸酯聚合物	911027-69-5	--
237		全氟己基磺酸盐	108427-53-8	--
238		全氟己基磺酸四丁基磷 (PFHxS-P(C ₄ H ₉) ₄)	2310194-12-6	--
239	--	N-甲基全氟-1-己磺酰胺(N-Me-PFHxSA)	68259-15-4	0.010
240	--	全氟己烷磺酰胺(PFHxSA)	41997-13-1	0.010
241	--	N-[3-(二甲基氨基)丙基]十三氟己磺酰胺(N-AP- FHxSA)	50598-28-2	0.010
242	--	2-[甲基[(十三氟己基)磺酰基]氨基]丙烯酸乙酯(N- MeFHSEA)	67584-57-0	0.200
243	--	2-[甲基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67584-61-6	0.200
244	--	2-[乙基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67906-70-1	0.200
245	--	十三氟-N-(2-羟基乙基)-N-甲基己烷磺酰胺 (MeFHxSE)	68555-75-9	0.010
246		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸(EtFHxSAA)	68957-32-4	0.010



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
247	EtFHxSAA, 及其盐	N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钾(EtFHxSAA-K)	67584-53-6	--
248		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钠(EtFHxSAA-Na)	68555-70-4	--
249	PFHxA, 及其 盐&衍生物	全氟己酸(PFHxA)	307-24-4	0.010
250		全氟己酸铵(APFHx)	21615-47-4	--
251		全氟己酸钠(PFHxA-Na)	2923-26-4	--
252		全氟己酸钾(PFHxA-K)	3109-94-2	--
253		全氟己酰氟(PFHxA-F)	355-38-4	--
254		全氟己酸银(PFHxA-Ag)	336-02-7	--
255		全氟己酸锂(PFHxA-Li)	90430-61-8	--
256		全氟己酸酐	308-13-4	--
257		全氟己酸哌嗪(2:1)	423-47-2	--
258		全氟己酸盐	92612-52-7	--
259		全氟己酰氯(PFHxA-Cl)	335-53-5	--
260		全氟己酰溴(PFHxA-Br)	1404193-66-3	--
261		全氟己酸己胺(PFHxA-C ₆ H ₁₅ N)	565225-91-4	--
262		全氟己酸苯基哌嗪(PFHxA-C ₁₀ H ₁₄ N ₂)	985-60-4	--
263	--	1H,1H,2H,2H-全氟-1-辛醇(6:2 FTOH)	647-42-7	0.100
264	--	1H,1H,2H,2H-全氟-1-己醇(4:2 FTOH)	2043-47-2	0.400
265	--	1H,1H,2H,2H-全氟辛基丙烯酸酯(6:2 FTA)	17527-29-6	0.200
266	6:2 FTS, 及 其盐	1H,1H,2H,2H-全氟辛磺酸(6:2 FTS)	27619-97-2	0.010
267		1H,1H,2H,2H-全氟辛烷磺酸钠(6:2 FTS-Na)	27619-94-9	--
268		1H,1H,2H,2H-全氟辛烷磺酸钾(6:2 FTS-K)	59587-38-1	--
269		1H,1H,2H,2H-全氟辛烷磺酸铵(6:2 FTS-NH ₄)	59587-39-2	--
270		1H,1H,2H,2H-全氟辛磺酸钡(6:2 FTS-Ba)	1807944-82-6	--
271		1H,1H,2H,2H-全氟辛磺酸盐(6:2 FTS(anion))	425670-75-3	--
272		1H,1H,2H,2H-全氟辛磺酰氯(6:2 FTS-Cl)	27619-89-2	--
273		1H,1H,2H,2H-全氟辛磺酰氟(6:2 FTS-F)	--	--
274	--	全氟辛基三乙氧基硅烷(6:2 FTSi(OC ₂ H ₅) ₃)	51851-37-7	0.500
275	--	1H,1H,2H,2H-全氟辛基三氯硅烷	78560-45-9	0.200
276	--	1H,1H,2H,2H-全氟辛基三甲氧基硅烷(6:2 FTSi(OCH ₃) ₃)	85857-16-5	
277	--	1,1,1,2,2,3,4,5,6,6-三氟-6-碘己烷(PFHx-I)	355-43-1	0.200
278	--	1,1,1,2,2,3,4,5,6,6-三氟-8-碘酮	38550-34-4	0.200



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				(mg/kg)
279	--	N-[3-(二甲氨基)丙基]-3,3,4,4,5,5,6,6,7,7,8,8,8-三氟辛烷磺酰胺 N-氧化物	80475-32-7	0.100
280	--	3,3,4,4,5,5,6,6,7,7,8,8-三氟辛酯硫氰酸	26650-09-9	0.200
281	6:2 monoPAP, 及其盐	6:2 磷酸氟调聚物单酯(6:2 monoPAP)	57678-01-0	0.100
282		6:2 磷酸氟调聚物单酯二铵盐(6:2 monoPAP-NH ₄ NH ₄)	1000852-37-8	--
283	--	2H,2H,3H,3H-全氟壬酸(6:3 FTCA)	27854-30-4	0.100
284	--	3,3,4,4,5,5,6,6,7,7,8,8,8-三氟辛烷-1-硫醇(6:2 FTSH)	34451-26-8	0.200
285	--	1H,1H,2H,2H-全氟辛基二甲基氯硅烷(6:2 FTSiMe ₂ Cl)	102488-47-1	0.200
286	--	1H,1H-三氟-1-碘庚烷(6:1 FTI)	212563-43-4	0.200
287	--	4,4,5,5,6,6,7,8,9,9,9-三氟壬基碘化物(6:3 FTI)	89889-20-3	0.200
288	6:2 FTPA, 及其盐	全氟己基乙基膦酸(6:2 FTPA)	252237-40-4	0.100
289		全氟己基乙基膦酸钠(Cheminox FHP ₂ OH-Na(PFHXPANa))	1189052-95-6	--
290	--	十一氟正己烷-1-醇(5:1 FTOH)	423-46-1	0.200
291	--	1H,1H-全氟庚-1-醇(6:1 FTOH)	375-82-6	0.200
292	--	3-全氟己基丙醇(6:3 FTOH)	80806-68-4	0.200
293	--	3,3,4,4,5,5,6,6,7,7,7-二十氟庚烷-2-醇(5:2 sFTOH)	914637-05-1	0.200
294	--	1-(全氟己基)辛烷(F ₆ H ₈)	133331-77-8	0.200
295	--	1H,1H 三氟庚胺(6:1 FTNH ₂)	423-49-4	0.200
296	--	2H-全氟-2-辛烯酸(6:2 FTUCA)	70887-88-6	0.010
297	6:6 PFPI, 及其盐	6:6 全氟次膦酸(6:6 PFPI)	40143-77-9	0.010
298		6:6 全氟次膦酸钠盐(6:6 PFPI-Na)	70609-44-8	--
299		6:6 全氟次膦酸镱(3+)盐(6:6 PFPI-Yb)	500776-72-7	--
300		6:6 全氟次膦酸铒(3+)盐(6:6 PFPI-Er)	500776-73-8	--
301	PFBA, 及其盐	全氟丁酸(PFBA)	375-22-4	0.010
302		七氟丁酸铵(PFBA-NH ₄)	10495-86-0	--
303		七氟丁酸钠(PFBA-Na)	2218-54-4	--
304		七氟丁酸钾(PFBA-K)	2966-54-3	--
305		七氟丁酸银(PFBA-Ag)	3794-64-7	--
306		全氟丁酸锂(PFBA-Li)	4146-76-3	--
307		七氟丁酸哌嗪(1:1)	375-04-2	--
308		全氟丁酸盐	45048-62-2	--
309		全氟丁酸 4-氯重氮苯六氟磷酸盐(PFBA-C ₆ H ₄ ClF ₆ N ₂ P)	--	--



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310		全氟正丁酸苯基哌嗪(1:1) (PFBA-C ₁₀ H ₁₄ N ₂)	2263-11-8	--
311		全氟正丁酸酐(PFBAA)	336-59-4	--
312		全氟正丁酸钙(PFBA-Ca)	2366-98-5	--
313		全氟正丁酸铑 Rhodium(II) (PFBA-Rh)	73755-28-9	--
314		全氟丁酰氯(PFBA-Cl)	375-16-6	--
315		全氟丁酰氟(PFBA-F)	335-42-2	--
316		全氟丁酰溴(PFBA-Br)	375-13-3	--
317		4-氯苯二氮铵全氟丁酸酯全氟丁酸(1:1:1)	--	--
318		N5-(5-羟基-4,6-二甲基嘧啶-2-基)-L-鸟氨酸-七氟丁酸(1/2)	936233-19-1	--
319	PFBS, 及其 盐&衍生物	全氟丁磺酸(PFBS)	375-73-5	0.010
320		全氟丁基磺酸钾(PFBS-K)	29420-49-3	--
321		全氟丁基磺酸水合物(PFBS-H ₂ O)	59933-66-3	--
322		九氟-1-丁烷磺酸锂(PFBS-Li)	131651-65-5	--
323		全氟丁基磺酸三苯基铊盐(TPS-PFBS)	144317-44-2	--
324		全氟丁基磺酸二甲基(苯基)铊(PFBS-S(CH ₃) ₂ (C ₆ H ₅))	220133-51-7	--
325		全氟丁基磺酸四丁基磷(PFBS-P(C ₄ H ₉) ₄)	220689-12-3	--
326		N,N,N-三乙基乙醇胺全氟丁基磺酸(PFBS-N(C ₂ H ₅) ₄)	25628-08-4	--
327		全氟丁基磺酰氟(PFBS-F)	375-72-4	--
328		全氟丁磺酸吗啉(PFBS-NC ₄ H ₉ O)	503155-89-3	--
329		全氟丁基磺酸镁(PFBS-Mg)	507453-86-3	--
330		全氟丁基磺酸铵(PFBS-NH ₄)	68259-10-9	--
331		1-(4-丁氧基-1-萘基)四氢噻吩全氟丁基磺酸盐(PFBS-SC ₁₈ H ₂₃ O)	209482-18-8	--
332		全氟丁基磺酰氯(PFBS-Cl)	2991-84-6	--
333		全氟丁基磺酸钠(PFBS-Na)	60453-92-1	--
334		全氟-1-丁磺酸双(4-叔丁基苯基)碘鎓(PFBS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	194999-85-4	--
335		1,1,2,2,3,4,4,4-一氟丁烷-1-磺酸与 2,2'-亚氨基二乙醇的化合物(1:1)(PFBS-NH(C ₂ H ₅ O) ₂)	70225-18-2	--
336		全氟丁基磺酸四丁基铵((PFBS-N(C ₄ H ₉) ₄))	108427-52-7	--
337		全氟丁基磺酸二苯碘((PFBS-I(C ₆ H ₅) ₂))	194999-82-1	--
338		全氟丁基磺酸三(4-叔丁基苯基)铊	241806-75-7	--
339		全氟丁基磺酸(4-环己基苯基)(二苯基)铊	425670-64-0	--
340		全氟丁基磺酸 1-(1-甲基-1H-吡啶-3-基)硫醇-1-鎓	867373-18-0	--



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				(mg/kg)
341		全氟丁基磺酸 1-乙基-3-甲基吡啶鎓	1015420-87-7	--
342		全氟丁基磺酸 1-甲基-3-辛基咪唑鎓	905972-83-0	--
343		全氟丁基磺酸 1-己基-3-甲基咪唑鎓	1001557-05-6	--
344		全氟丁基磺酸 N,N-二甲基-N-(丙-2-基)丙-2-胺	374571-81-0	--
345		全氟丁基磺酸[4-(2-叔丁氧基-2-氧代乙氧基)苯基](二苯基) (1:1)	857285-80-4	--
346		全氟丁基磺酸 N,N-二丁基-N-甲基丁烷-1-胺(1:1)	124472-66-8	--
347		全氟丁基磺酸锌(2:1)(PFBS-Zn)	502457-69-4	--
348		全氟丁基磺酸 N,N,N-三丙基戊烷(1:1)	56773-55-8	--
349		全氟丁基磺酸四甲基铵盐 (PFBS-N(CH ₃) ₄)	25628-17-5	--
350		全氟丁烷磺酸酐	36913-91-4	
351		全氟丁基磺酸盐	45187-15-3	--
352		1-(4-丁氧基-1-萘基)九氟丁烷-1-磺酸四氢噻吩	EC: 468-770-4	--
353		全氟丁基磺酸三乙基铵	182059-38-7	--
354		N-(2-羟乙基)-N,N-二甲基-1-辛铵全氟-1-丁磺酸盐 (1:1)	334529-55-4	--
355		全氟丁基磺酸 1-十六烷基吡啶鎓	334529-62-3	--
356		全氟丁基磺酸 1-丁基吡啶鎓	334529-64-5	--
357		N-甲基-N,N-二辛基-1-辛铵全氟-1-丁磺酸盐	495417-51-1	--
358		三(4-甲基苯基)磺与全氟-1-丁磺酸的盐(1:1)	722538-68-3	--
359		N-乙基-N-甲基-N-丙基铵全氟丁磺酸酯	1186599-90-5	--
360		[4-(2-甲基丙基)苯基]-二苯基磺铵;1,1,2,2,3,3,4,4,4-壬氟丁烷-1-磺酸盐	1375211-36-1	--
361		二苯基 4-叔丁基苯基磺铵壬氟丁磺酸盐	258872-05-8	--
362		二苯基(4-甲基苯基)九氟丁磺酸盐	284474-28-8	--
363		三甲基硅基全氟丁基磺酸酯	68734-62-3	--
364	PFPeA, 及其盐	全氟戊酸(PFPeA)	2706-90-3	0.010
365		全氟戊酸钠(PFPeA-Na)	2706-89-0	--
366		全氟戊酸钾(PFPeA-K)	336-23-2	--
367		全氟戊酸锂(PFPeA-Li)	198482-22-3	--
368		全氟戊酸银(PFPeA-Ag)	2795-30-4	--
369		全氟戊酸铵(PFPeA-NH ₄)	68259-11-0	--
370		全氟戊酸盐	45167-47-3	--
371		全氟戊酸苄基硫脲 (PFPeA-C ₈ H ₁₀ N ₂ S)	64808-55-5	--
372		全氟戊酸酐 (PFPeAA)	308-28-1	--
373		全氟戊酰氯(PFPeA-Cl)	375-60-0	--



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检测报告

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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
374		全氟戊酰氟(PFPeA-F)	375-62-2	--
375	HPFHpA, 及其盐	7H-十二氟庚酸(HPFHpA)	1546-95-8	0.010
376		7H-十二氟庚酸钠(HPFHpA-Na)	2264-25-7	--
377		7H-十二氟庚酸铵(HPFHpA-NH ₄)	376-34-1	--
378		7H-十二氟庚酸盐 (HPFHpA(anion))	69681-35-2	--
379		7H-十二氟庚酸钾(HPFHpA-K)	--	--
380		7H-十二氟庚酸锂(HPFHpA-Li)	--	--
381		7H-十二氟庚酰氯(HPFHpA-Cl)	41405-35-0	--
382		7H-十二氟庚酰氟 (HPFHpA-F)	5927-65-1	--
383		7H-十二氟庚酰溴 (HPFHpA-Br)	159623-34-4	--
384		全氟庚烷磺酸(PFHpS)	375-92-8	0.010
385	PFHpS, 及其盐	全氟庚基磺酸钠(PFHpS-Na)	21934-50-9	--
386		全氟庚基磺酸钾(PFHpS-K)	60270-55-5	--
387		全氟庚磺酸铵(PFHpS-NH ₄)	68259-07-4	--
388		全氟庚烷磺酸锂(PFHpS-Li)	117806-54-9	--
389		全氟庚烷磺酸-双(2-羟乙基)铵(1:1)	70225-15-9	--
390		全氟庚烷磺酸盐	146689-46-5	--
391		全氟庚烷磺酸三乙基铵	72033-40-0	--
392		全氟庚烷磺酸四乙基铵	439863-97-5	--
393		全氟庚烷磺酸酐(PFHpSA)	140429-92-1	--
394		全氟庚烷磺酰氟(PFHpS-F)	335-71-7	--
395		全氟庚烷磺酰氯(PFHpS-Cl)	33018-82-5	--
396		全氟庚酸(PFHpA)	375-85-9	0.010
397	PFHpA, 及其盐	全氟庚酸钠(PFHpA-Na)	20109-59-5	--
398		全氟庚酸钾(PFHpA-K)	21049-36-5	--
399		全氟庚酸铵(PFHpA-NH ₄)	6130-43-4	--
400		全氟庚酸铯(PFHpA-Cs)	171198-24-6	--
401		全氟庚酸银(PFHpA-Ag)	424-05-5	--
402		全氟庚酸锂(PFHpA-Li)	60871-90-1	--
403		全氟庚酸盐	120885-29-2	--
404		全氟正庚酸酐(PFHpAA)	78225-99-7	--
405		全氟庚酰氯(PFHpA-Cl)	52447-22-0	--
406		全氟庚酰氟(PFHpA-F)	375-84-8	--
407		2,3,3,3-四氟-2-(七氟丙氧基)丙酸(HFPO-DA)	13252-13-6	0.010



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
408	HFPO-DA, 及其盐&衍生物	2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵(HFPO-DA-NH ₄)	62037-80-3	--
409		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钾(HFPO-DA-K)	67118-55-2	--
410		2,3,3,3-四氟-2-(七氟丙氧基)丙酸酐基氟化物(HFPO-DA-F)	2062-98-8	--
411		2,3,3,3-四氟-2-(七氟丙氧基)-, (+)-丙酸	75579-39-4	--
412		2,3,3,3-四氟-2-(七氟丙氧基)-, (-)-丙酸	75579-40-7	--
413		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钠	67963-75-1	--
414		全氟(2-丙氧基丙酸酯)	122499-17-6	--
415		2,3,3,3-四氟-2-(七氟丙氧基)丙酸-N-丙基丙烷-1-胺(1/1)	165951-17-7	--
416		全氟-2-丙氧基丙酸三乙胺	165951-18-8	--
417		4-[(6-甲氧基-3-哒嗪基)氨磺酰基]2,3,3,3-四氟-2-(七氟丙氧基)丙酸苯胺	298703-31-8	--
418		2,3,3,3-四氟-7-(七氟丙氧基)丙酸(1-甲基哌啶-3-基)2,3,6-三碘苯甲酸甲酯 (HFPO-C ₁₄ H ₁₆ I ₃ NO ₂)	2412106-69-3	--
419	4:2 FTS, 及其盐	1H,1H,2H,2H-全氟己烷磺酸(4:2 FTS)	757124-72-4	0.010
420		1H,1H,2H,2H-全氟己烷磺酸钠	27619-93-8	--
421		1H,1H,2H,2H-全氟己烷磺酸盐(4:2 FTS(anion))	414911-30-1	--
422	PFPeS, 及其盐	全氟戊磺酸(PFPeS)	2706-91-4	0.010
423		全氟戊磺酸钠(PFPeS-Na)	630402-22-1	--
424		全氟戊磺酸钾(PFPeS-K)	3872-25-1	--
425		全氟戊磺酸铵(PFPeS-NH ₄)	68259-09-6	--
426		全氟戊磺酸-双(2-羟乙基)铵	70225-17-1	--
427		全氟戊磺酸锂(PFPeS-Li)	1046864-81-6	--
428		全氟戊磺酸盐	175905-36-9	--
429		全氟戊磺酸三乙基铵	72033-42-2	--
430		全氟戊烷磺酸酐(PFPeSA)	161877-72-1	--
431	--	2-全氟己基乙酸(6:2 FTCA)	53826-12-3	0.010
432	5:3 FTCA, 及其盐	3-全氟戊基丙酸(5:3 FTCA)	914637-49-3	0.010
433		2H,2H,3H,3H-全氟辛酸盐(5:3 FTCA(anion))	1799325-94-2	--
434	PFHxDA, 及其盐	全氟正十六酸(PFHxDA)	67905-19-5	0.010
435		全氟正十六酸盐 (PFHxDA(anion))	1214264-30-8	--
436	PFODA, 及其盐	全氟正十八酸(PFODA)	16517-11-6	0.010
437		全氟正十八酸盐(PFODA(anion))	798556-82-8	--
438	--	1H,1H,2H,2H-全氟辛基甲基丙烯酸酯(6:2 FTMA)	2144-53-8	0.200
439	--	4,8-二氧-3H-全氟壬酸(ADONA)	919005-14-4	0.010



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
440	ADONA, 及其盐	4,8-二氧杂-3H-全氟壬酸铵(ADONA-NH ₄)	958445-44-8	--
441		4,8-二氧杂-3H-全氟壬酸钠(ADONA-Na)	2250081-67-3	--
442		4,8-二氧-3H-全氟壬酸钾 (ADONA-K)	1087271-46-2	--
443		4,8-二氧-3H-全氟壬酸盐 (ADONA (anion))	2127366-90-7	--
444	PFMPA, 及其盐	全氟-3-甲氧基丙酸(PFMPA)	377-73-1	0.010
445		2,2,3,3-四氟-3-(三氟甲氧基)丙酸酐 (PFMPAA)	42566-65-4	--
446	--	全氟-4-甲氧基丁酸(PFMBA)	863090-89-5	0.010
447	--	全氟-3,6-二氧杂庚酸(NFDHA)	151772-58-6	0.010
448	9Cl-PF ₃ ONS, 及其盐	9-氯十六氟-3-氧代壬烷-1-磺酸(9Cl-PF ₃ ONS)	756426-58-1	0.010
449		9-氯十六氟-3-氧代壬烷-1-磺酸钾 (9Cl-PF ₃ ONS-K)	73606-19-6	--
450		9-氯十六氟-3-氧代壬烷-1-磺酸铵 (9Cl-PF ₃ ONS-NH ₄)	1383434-28-3	--
451		9-氯-3-氧杂全氟壬烷磺酸盐 (9Cl-PF ₃ ONS (anion))	1621485-21-9	--
452	11Cl-PF ₃ OUdS, 及其盐	11-氯二十碳氟-3-氧十一烷-1-磺酸(11Cl-PF ₃ OUdS)	763051-92-9	0.010
453		11-氯二十碳氟-3-氧十一烷-1-磺酸钾(11Cl-PF ₃ OUdS-K)	83329-89-9	--
454		11-氯-3-氧杂全氟十一烷磺酸盐 (11Cl-PF ₃ OUdS (anion))	2196242-82-5	--
455	PFEESA, 及其盐	全氟(2-乙氧基乙烷)磺酸(PFEESA)	113507-82-7	0.010
456		全氟(2-乙氧基乙烷)磺酸钾 (PFEESA-K)	117205-07-9	--
457		全氟(2-乙氧基乙烷)磺酸钠 (PFEESA-Na)	113507-87-2	--
458	3:3 FTCA, 及其盐	3-全氟丙基丙酸(3:3 FTCA)	356-02-5	0.010
459		4,4,5,6,6,6-七氟己酸盐 (3:3 FTCA(anion))	1169706-83-5	--
460		2H,2H,3H,3H-全氟己酸钠(3:3 FTCA-Na)	1207462-13-2	--
461	PFPeDA, 及其盐	全氟十五烷酸(PFPeDA)	141074-63-7	0.100
462		全氟十五烷酸盐(PFPeDA(anion))	1214264-29-5	--
463	--	1H,1H,2H,2H-全氟己基甲基丙烯酸酯(4:2 FTMA)	1799-84-4	0.200
464	--	2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯(EtFOSAC)	423-82-5	0.200
465	--	1-碘-1H,1H,2H,2H-全氟辛烷(6:2 FTI)	2043-57-4	0.200
466	--	九氟丁烷磺酰胺(PFBSA)	30334-69-1	0.100
467	--	N-(2-羟乙基)-N-甲基全氟丁烷磺酰胺(PFBS-NC ₃ H ₈ O)	34454-97-2	0.010
468	11H-PFUnDA, 及其盐	11H-全氟十一烷酸(11H-PFUnDA)	1765-48-6	0.100
469		11H-全氟十一烷酸钾(11H-PFUnDA-K)	307-71-1	--
470		11H-全氟十一烷酸铵(11H-PFUnDA-NH ₄)	5081-02-7	--
471		11H-全氟十一烷酸盐 (11H-PFUnDA(anion))	69681-37-4	--
472		五氟丙酸(PFPrA)	422-64-0	0.100



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473	PFPrA, 及其盐	五氟丙酸钠(PFPrA-Na)	378-77-8	--
474		五氟丙酸银(PFPrA-Ag)	509-09-1	--
475		五氟丙酸钾(PFPrA-K)	378-76-7	--
476		五氟丙酸铵(PFPrA-NH ₄)	2730-58-7	--
477		五氟丙酸盐(PFPrA(anion))	44864-55-3	--
478		五氟丙酸苯基哌嗪 (1/1) (PFPrA-C ₁₀ H ₁₄ N ₂)	893-87-8	--
479		五氟丙酸哌嗪(1/1) (PFPrA-C ₄ H ₁₀ N ₂)	1690-94-4	--
480		五氟丙酸咪唑(PFPrA-C ₃ H ₄ N ₂)	200705-90-4	--
481	HFPO-TA, 及其盐	全氟-2,5-二甲基-3,6-二氧杂壬酸 (HFPO-TA)	13252-14-7	0.200
482		全氟-2,5-二甲基-3,6-二氧杂壬酸钾 (HFPO-TA-K)	67118-57-4	--
483		全氟-2,5-二甲基-3,6-二氧杂壬酸钠 (HFPO-TA-Na)	67963-76-2	--
484		全氟-2,5-二甲基-3,6-二氧杂壬酸铵 (HFPO-TA-NH ₄)	13043-05-5	--
485		全氟-2,5-二甲基-3,6-二氧杂壬酰基氟化物 (HFPO-TA-F)	2641-34-1	--
486	PFEtS, 及其盐	全氟乙烷磺酸(PFEtS)	354-88-1	0.010
487		全氟乙烷磺酸盐 (PFEtS (anion))	108410-37-3	--
488		全氟乙烷磺酸钾 (PFEtS-K)	2837-92-5	--
489	6:2 diPAP, 及其盐	双[2-(全氟己基)乙基]磷酸盐(6:2 diPAP)	57677-95-9	0.010
490		双[2-(全氟己基)乙基]磷酸(6:2 diPAP-Na)	407582-79-0	--
491		双[2-(全氟己基)乙基]磷酸盐离子(6:2 diPAP(Anion))	667465-18-1	--
492	TFSI, 及其盐	双(三氟甲烷)磺酰亚胺(TFSI)	82113-65-3	0.010
493		1-丁基-1-甲基吡咯烷双(三氟甲烷)磺酰亚胺	223437-11-4	--
494		三丁基甲基铵双(三氟甲烷)磺酰亚胺	405514-94-5	--
495		双(三氟甲烷)磺酰亚胺锂(TFSI-Li)	90076-65-6	--
496		1-癸基-3-甲基咪唑双(三氟甲烷)磺酰亚胺	433337-23-6	--
497		双(三氟甲磺酰基)亚胺锌 II) ((TFSI) ₂ -Zn)	168106-25-0	--
498		双(三氟甲磺酰基)亚胺锰 II) ((TFSI) ₂ -Mn)	207861-55-0	--
499		双(三氟甲磺酰基)亚胺镍 II) ((TFSI) ₂ -Ni)	207861-63-0	--
500		双(三氟甲磺酰基)亚胺铜 II) ((TFSI) ₂ -Cu)	162715-14-2	--
501		三[1,1,1-三氟-N-[(三氟甲基)磺酰基-KO]甲磺酰氨基-KO]-铁 ((TFSI) ₃ -Fe)	207861-59-4	--
502		三氟甲烷磺酰亚胺铜 II) 二水合物 ((TFSI) ₂ -CuH ₂ O)	1334406-76-6	--
503		双(三氟甲烷磺酰基)亚胺银 (TFSI-Ag)	189114-61-2	--
504		双(三氟甲基磺酰基)亚胺铜 (TFSI-Cu)	291300-50-0	--
505		双(三氟甲烷磺酰基)亚胺钡((TFSI) ₂ -Ba)	168106-22-7	--



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
506		双(三氟甲基磺酰基)亚胺锶 ((TFSI) ₂ -Sr)	862121-57-1	--
507		1-甲基咪唑双(三氟甲磺酰基)亚胺	353239-08-4	--
508		1-乙基-3-甲基咪唑鎓双	174899-82-2	--
509		1,2-二甲基-3-丙基咪唑鎓双(三氟甲基磺酰基)亚胺盐	169051-76-7	--
510		双(三氟甲基磺酰基)亚胺镁 (TFSI-Mg)	133395-16-1	--
511		1-甲基-3-丙基咪唑鎓双(三氟甲基磺酰基)亚胺盐	216299-72-8	--
512		1-丁基-1-甲基咪唑鎓双(三氟甲基磺酰基)亚胺盐	623580-02-9	--
513		1-甲基-3-正辛基咪唑鎓双(三氟甲磺酰基)亚胺盐	178631-04-4	--
514		三[双(三氟甲基磺酰基)氨基]镱 ((TFSI) ₃ -Yb)	175438-43-4	--
515		丁基-三甲基双(三氟甲基磺酰基)亚胺铵	258273-75-5	--
516		双(三氟甲基磺酰基)亚胺钴 ((TFSI) ₂ -Co)	207861-61-8	--
517		双(三氟甲磺酰基)亚胺钾 (TFSI-K)	90076-67-8	--
518		1-甲基-1-丙基哌啶-1-鎓双(三氟甲基)磺酰基)-酰胺	608140-12-1	--
519		1-乙基-2,3-二甲基咪唑鎓双(三氟甲烷磺酰基)亚胺盐	174899-90-2	--
520		1-甲基-1-丙基吡咯烷鎓双(三氟甲磺酰基)亚胺盐	223437-05-6	--
521		1,1,1-三氟-N-三氟甲烷磺酰基-N-(N-三氟甲烷磺酰基-三氟甲烷磺酰胺基)-羧基)-甲磺酰胺 ((TFSI) ₂ -Ca)	165324-09-4	--
522		双(三氟甲基磺酰基)亚胺胆碱	827027-25-8	--
523		1-十二烷基-3-甲基咪唑鎓双(三氟甲磺酰基)亚胺盐	404001-48-5	--
524		1-乙基-1-甲基吡咯烷双(三氟甲基磺酰基)亚胺盐	223436-99-5	--
525		二乙基甲基硫双(三氟甲基磺酰基)亚胺	792188-85-3	--
526		双(三氟甲基磺酰基)叠氮化物: 汞(2+) ((TFSI) ₂ -Hg)	104715-41-5	--
527		双(三氟甲磺酰基)酰亚胺铈(III)盐(TFSI-Ce)	1046099-39-1	--
528		{双[(三氟甲基)磺酰基]氮杂化镉}镉盐(TFSI-Cd)	1263295-73-3	--
529		双(三氟甲磺酰基)酰亚胺镧(III)盐(TFSI-La)	168106-26-1	--
530		双(三氟甲基磺酰基)酰亚胺钪(III)盐(TFSI-Sc)	176726-07-1	--
531		双(三氟甲磺酰基)酰亚胺钇(III)盐 (TFSI-Y)	189114-86-1	--
532		双(三氟甲磺酰基)酰亚胺钒盐(TFSI-V)	207861-54-9	--
533		双(三氟甲磺酰基)酰亚胺铁(II)盐(TFSI-Fe)	207861-57-2	--
534		双(三氟甲基磺酰基)酰亚胺锡(II)盐(TFSI-Sn)	460096-08-6	--
535		双(三氟甲磺酰基)酰亚胺铯盐(TFSI-Cs)	91742-16-4	--
536		双(三氟甲磺酰基)酰亚胺钠盐(TFSI-Na)	91742-21-1	--
537	10:2 monoPAP, 及其盐	单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP)	57678-05-4	0.100
538		单[2-(全氟癸基)乙基]磷酸双铵盐	93857-45-5	--
539		二十一氟十二烷基磷酸二氢酯环己铵盐	2514858-66-1	--



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No.	组名	物质名称	CAS No.	MDL
				(mg/kg)
540	-	N-(4,4,5,5,6,6,7,7,8,8,9,9,9-十三氟壬基)碘乙酰胺	852527-50-5	0.010
541	TFMS, 及其盐	三氟甲磺酸(TFMS)	1493-13-6	0.010
542		三氟甲磺酸钠盐(TFMS-Na)	2926-30-9	--
543		三氟甲磺酸银盐(TFMS-Ag)	2923-28-6	--
544		三氟甲磺酸锌盐(TFMS-Zn)	54010-75-2	--
545		三氟甲磺酸铈盐(TFMS-Sc)	144026-79-9	--
546		三氟甲磺酸酐	358-23-6	--
547		三氟甲磺酸锂盐(TFMS-Li)	33454-82-9	--
548		三氟甲磺酸铜盐(TFMS-Cu)	34946-82-2	--
549		三氟甲磺酸钡盐(TFMS-Ba)	2794-60-7	--
550		三氟甲磺酸铈盐(TFMS-Ce)	107792-63-2	--
551		三氟甲磺酸镁盐(TFMS-Mg)	60871-83-2	--
552		三氟甲磺酸钾盐(TFMS-K)	2926-27-4	--
553		三氟甲磺酸镍盐(TFMS-Ni)	60871-84-3	--
554		三氟甲磺酸锡盐(TFMS-Sn)	62086-04-8	--
555		三氟甲磺酸钇盐(TFMS-Y)	52093-30-8	--
556		三氟甲磺酸铁盐(TFMS-Fe)	63295-48-7	--
557		三氟甲磺酸铈盐(TFMS-Ce)	76089-77-5	--
558		三氟甲磺酸四丁基铵	35895-70-6	--
559		三氟甲磺酸甲基三辛基铵	121107-18-4	--
560		咪唑三氟甲磺酸酯	29727-06-8	--
561		三氟乙酰基三氟甲磺酸酯	68602-57-3	--
562		三氟甲磺酸镧(III) (TFMS-La)	52093-26-2	--
563		三氟甲磺酸铟(III) (TFMS-In)	128008-30-0	--
564		三氟甲磺酸钐(III)(TFMS-Sm)	52093-28-4	--
565		三氟甲磺酸镱(III) (TFMS-Yb)	54761-04-5	--
566		三氟甲磺酸铥(III) (TFMS-Tm)	141478-68-4	--
567		三氟甲磺酸四乙基铵	35895-69-3	--
568		三氟甲磺酸 1-氟-3,5-二氯吡啶	107264-06-2	--
569		三氟甲磺酸三乙胺盐	646-58-2	--
570		三苯基三氟甲磺酸酐	72450-51-2	--
571		N, N-二乙基-6-(二乙氨基)-9-(2-(甲氧羰基)苯基)-3H-噻-3-亚基三氟甲磺酸铵	120611-30-5	--
572		三氟甲磺酸二苯铵	164411-06-7	--
573		1-(3-氨基氮杂环丁烷-1-基)丙-2-烯-1-酮, 三氟甲磺酸	2060047-56-3	--



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				(mg/kg)
574		三氟甲磺酸胍	153756-25-3	--
575		三氟甲磺酸-1-乙基-1H-咪唑 (1/1)	501693-46-5	--
576		钇(3+) (OC-6-22)-与三氟甲磺酸 (1:3)的盐	74468-24-9	--
577		O-新戊酰基羟胺三氟甲磺酸酯	1293990-73-4	--
578		三氟甲磺酰氯	421-83-0	--
579		(2-吡啶甲基)磺酰氯三氟甲磺酸酯	882564-09-2	--
580		三氟甲磺酰溴	15458-53-4	--
581		三氟甲磺酸汞(II)(TFMS-Hg)	49540-00-3	--
582		三氟甲磺酸镝(III)(TFMS-Dy)	139177-62-1	--
583		三氟甲磺酸锰(II)(TFMS-Mn)	55120-76-8	--
584		三氟甲磺酸五胺钨(III)	83781-30-0	--
585		三氟甲磺酸镱(III)(TFMS-Lu)	126857-69-0	--
586		三氟甲磺酸铽(III)(TFMS-Tb)	148980-31-8	--
587		三氟甲磺酸钕(III)(TFMS-Nd)	34622-08-7	--
588		三氟甲磺酸铵(TFMS-NH4)	38542-94-8	--
589		三氟甲磺酸钬(III)(TFMS-Ho)	139177-63-2	--
590		三氟甲磺酸酯	37181-39-8	--
591		三氟甲磺酸镨(III)(TFMS-Pr)	52093-27-3	--
592		三氟甲磺酸铋(III)(TFMS-Bi)	88189-03-1	--
593		三氟甲磺酸铕(III)(TFMS-Eu)	52093-25-1	--
594		三氟甲磺酸铒(III)(TFMS-Er)	139177-64-3	--
595		三氟甲磺酸镓(III)(TFMS-Ga)	74974-60-0	--
596		N,N,N-三乙基-2,2,2-三氟乙烷-1-三氟甲磺酸铵	380230-73-9	--
597		三氟甲磺酸钙(II)(TFMS-Ca)	55120-75-7	--
598		三氟甲磺酸铊(I)(TFMS-Tl)	73491-36-8	--
599		三氟甲磺酸铪(IV)(TFMS-Hf)	161337-67-3	--
600		1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛基) 吡啶鎓 三氟甲磺酸盐	25061-59-0	--
601		四丙基铵三氟甲磺酸盐	35925-48-5	--
602		(七氟丙基)(苯基) 碘鎓三氟甲磺酸盐	77758-79-3	--
603		苯基 (十三氟己基) 碘鎓三氟甲磺酸盐	77758-84-0	--
604		(十七氟辛基)(苯基) 碘鎓三氟甲磺酸盐	77758-89-5	--
605		(1,1,1,2,3,3,3-七氟丙烷-2-基)(苯基) 碘鎓三氟甲磺酸 盐	82959-18-0	--
606		三乙基甲基铵三氟甲磺酸盐	90756-35-7	--
607		五氟苯胺鎓三氟甲磺酸盐	912823-79-1	--



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				(mg/kg)
608		三丁基甲基铵三氟甲磺酸盐	944557-37-3	--
609	PFPrS, 及其盐	全氟丙烷磺酸(PFPrS)	423-41-6	0.010
610		全氟丙烷磺酸钠(PFPrS-Na)	359868-82-9	--
611	-	1-全氟庚基乙醇 (7:2 仲) (7:2sFTOH)	24015-83-6	0.200
612	-	1-碘-1H, 1H, 2H, 2H-全氟己烷(4:2 FTI)	2043-55-2	0.200
613	PFHpSi, 及其盐	全氟庚烷-1-亚磺酸(PFHpSi)	769067-51-8	0.010
614		全氟庚烷-1-亚磺酸钠盐 (PFHpSi-Na)	68555-66-8	--
615	PFOPA, 及其盐	全氟辛基磷酸 (PFOPA)	40143-78-0	0.010
616		全氟辛基磷酸-4-甲基苯甲酰胺	1263361-03-0	--
617	-	1H, 1H-全氟辛胺(7:1 FTNH ₂)	307-29-9	0.200
618	-	全氟庚酰胺(PFHpA-NH ₂)	2358-22-7	0.100
619	-	全氟丁酰胺(PFBA-NH ₂)	662-50-0	0.200
620	-	1H, 1H, 2H, 2H-九氟己酯(4:2 FTA)	52591-27-2	0.200
621	-	N-甲基-九氟丁磺酰胺(MeFBSA)	68298-12-4	0.010
622	-	N-乙基-1,1,2,2,3,3,4,4,5,5,6,6-十三氟-N-(2-羟乙基)-1-己磺酰胺(Et-FHxSE)	34455-03-3	0.010
623	TFA, 及其盐	三氟乙酸(TFA)	76-05-1	1.000
624		三氟乙酸钠(TFA-Na)	2923-18-4	--
625		三氟乙酸铊(TFA-Tl)	23586-53-0	--
626		三氟乙酸锂(TFA-Li)	2923-17-3	--
627		三氟乙酸银(TFA-Ag)	2966-50-9	--
628		三氟乙酸铯(TFA-Cs)	21907-50-6	--
629		三氟乙酸钾(TFA-K)	2923-16-2	--
630		三氟乙酸铵(TFA-NH ₄)	3336-58-1	--
631		三氟乙酸汞(TFA-Hg)	13257-51-7	--
632		三氟乙酸钯(TFA-Pd)	42196-31-6	--
633		三氟乙酸盐(TFA anion)	14477-72-6	--
634		三氟乙酸二甲基[(三氟乙酰基)氧基]铈	57738-66-6	--
635		三氟乙酸铝(III)(TFA-Al)	36554-89-9	--
636		三氟乙酸钡(II)(TFA-Ba)	60884-92-6	--
637		三氟乙酸铒(III)(TFA-Er)	70236-99-6	--
638		三氟乙酸铟(III)(TFA-In)	36554-90-2	--
639		三氟乙酸镧(III)(TFA-La)	70236-92-9	--
640		三氟乙酸镍(II)(TFA-Ni)	16083-14-0	--
641		三氟乙酸铅(II)(TFA-Pb)	4146-73-0	--



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No.	组名	物质名称	CAS No.	MDL (mg/kg)
642		三氟乙酸铈(II)(TFA-Rh)	72654-51-4	--
643		三氟乙酸铟(III)(TFA-Tm)	70237-00-2	--
644		三氟乙酸镱(III)(TFA-Yb)	87863-62-5	--
645		三氟乙酸锌(II)(TFA-Zn)	21907-47-1	--
646		三氟乙酸钌(II)(TFA-Ru)	61612-84-8	--
647		三氟乙酸镁(II)(TFA-Mg)	123333-72-2	--
648		三氟乙酸铜(II)(TFA-Cu)	123333-88-0	--
649		三氟乙酸甲基三乙酸甲基乙酰铵	121107-16-2	--
650		铬(3+)三氟乙酸盐(TFA-Cr)	16712-29-1	--
651		三氟乙酸四乙基铵(TFA-N(C ₂ H ₅) ₄)	30093-29-9	--
652		三氟乙酸四丁基铵(TFA-N(C ₄ H ₉) ₄)	39481-22-6	--
653		三氟乙酸铈(3+)-水(1/3/3)(TFA-Eu.H ₂ O)	94079-71-7	--
654	BETI, 及其盐	双(五氟乙烷磺酰基)亚胺	152894-10-5	0.020
655		双(五氟乙烷磺酰基)亚胺基锂(BETI-Li)	132843-44-8	--
656		双(五氟乙烷磺酰基)亚胺基阴离子	129318-46-3	--
657		双(五氟乙烷磺酰基)亚胺基钠 (BETI-Na)	152894-04-7	--
658		双(五氟乙烷磺酰基)亚胺基钾 (BETI-K)	221203-22-1	--
659		1-乙基-3-甲基咪唑啉双(五氟乙基磺酰基)亚胺	216299-76-2	--
660	--	全氟-2-乙氧基丙酸(PEPA)	267239-61-2	0.010
661	PFDPA, 及其盐	全氟癸基膦酸(PFDPA)	52299-26-0	0.010
662		全氟癸基膦酸 4-甲基苯甲胺	--	--
663		全氟癸基膦酸二-4-甲苯胺盐	--	--
664	PFHxPA, 及其盐	全氟己基膦酸	40143-76-8	0.010
665		全氟己基膦酸 4-甲基苯甲胺	1263361-02-9	--
666	--	((全氟辛基)乙基)膦酸	80220-63-9	0.020
667	--	3-(全氟丁基)丙酸	80705-13-1	0.010
668	--	全氟-3,6,9-三氧杂十一烷-1,11-二酸	55621-18-6	0.020
669	--	全氟壬二酸	23453-64-7	0.020
670	--	全氟辛二酸	678-45-5	0.020
671	--	全氟三丙胺	338-83-0	10.000

(2) 针对纺织品和皮革, “物质是指附表中甲醇/氢氧化钠溶液提取时会水解的 PFAS 物质。

物质名称	CAS No.
N-EtFOSE, 及可能来源	
2- (N-乙基全氟辛基磺酰胺)乙醇 (N-EtFOSE)	1691-99-2



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2- (N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯 (EtFOSAC) ^^	423-82-5
PFOA, 及其可能来源	
全氟辛酸 (PFOA)	335-67-1
全氟辛酸乙酯 (Et-PFOA) ^^	3108-24-5
全氟辛酸甲酯 (Me-PFOA) ^^	376-27-2
8:2 FTOH, 及其可能来源	
1H, 1H, 2H, 2H-全氟-1-癸醇 (8:2 FTOH)	678-39-7
1H, 1H, 2H, 2H-甲基丙烯酸全氟癸酯 (8:2 FTMA) ^^	1996-88-9
1H, 1H, 2H, 2H-全氟癸基丙烯酸酯 (8:2 FTA) ^^	27905-45-9
1H, 1H, 2H, 2H-全氟十二烷基乙酸酯 (8:2 FTOAc) ^^	37858-04-1
10:2 FTOH, 及其可能来源	
1H, 1H, 2H, 2H-全氟-1-十二烷醇 (10:2 FTOH)	865-86-1
1H, 1H, 2H, 2H-全氟十二烷基甲基丙烯酸酯 (10:2 FTMA) ^^	2144-54-9
1H, 1H, 2H, 2H-全氟十二烷基丙烯酸酯 (10:2 FTA) ^^	17741-60-5
1H, 1H, 2H, 2H-全氟癸基乙酸酯 (10:2 FTOAc) ^^	37858-05-2
6:2 FTOH, 及其可能来源	
1H, 1H, 2H, 2H-全氟-1-辛醇 (6:2 FTOH)	647-42-7
1H, 1H, 2H, 2H-全氟辛基甲基丙烯酸酯 (6:2 FTMA) ^^	2144-53-8
1H, 1H, 2H, 2H-全氟辛基丙烯酸酯 (6:2 FTA) ^^	17527-29-6
MeFHxSE, 及其可能来源	
十三氟-N- (2-羟基乙基)-N-甲基己烷磺酰胺 (MeFHxSE)	68555-75-9
2-[甲基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯 ^^	67584-61-6
2-[甲基[(十三氟己基)磺酰基]氨基]丙烯酸乙酯 (N-MeFHSEA) ^^	67584-57-0
Et-FHxSE, 及其可能来源	
N-乙基-1,1,2,2,3,3,4,4,5,5,6,6,6-十三氟-N-(2-羟基乙基)-1-己磺酰胺 (Et-FHxSE)	34455-03-3
2-[乙基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯 ^^	67906-70-1
PFHpA, 及可能来源	
全氟庚酸 (PFHpA)	375-85-9
全氟庚酰胺 (PFHpA-NH ₂) ^^	2358-22-7
PFBA, 及可能来源	
全氟丁酸 (PFBA)	375-22-4
全氟丁酰胺 (PFBA-NH ₂) ^^	662-50-0
4:2 FTOH, 及其可能来源	
1H, 1H, 2H, 2H-全氟-1-己醇 (4:2 FTOH)	2043-47-2
1H, 1H, 2H, 2H-全氟己基甲基丙烯酸酯 (4:2 FTMA) ^^	1799-84-4
1H, 1H, 2H, 2H-九氟己酯 (4:2 FTA) ^^	52591-27-2



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- (3) 当用甲醇/氢氧化钠溶液提取时, 化合物被水解并释放出相关的 PFAS 物质。由于所列 PFAS 会降解为未知化合物和/或无法通过甲醇/NaOH 溶液提取进行分析, 因此只能通过溶剂提取方法检测和定量可提取的含量。通过溶剂提取和随后的 GC-MS 或 GC-MS/MS 或 HPLC-MS/MS 分析得到的结果仅反映了可提取的 PFAS。



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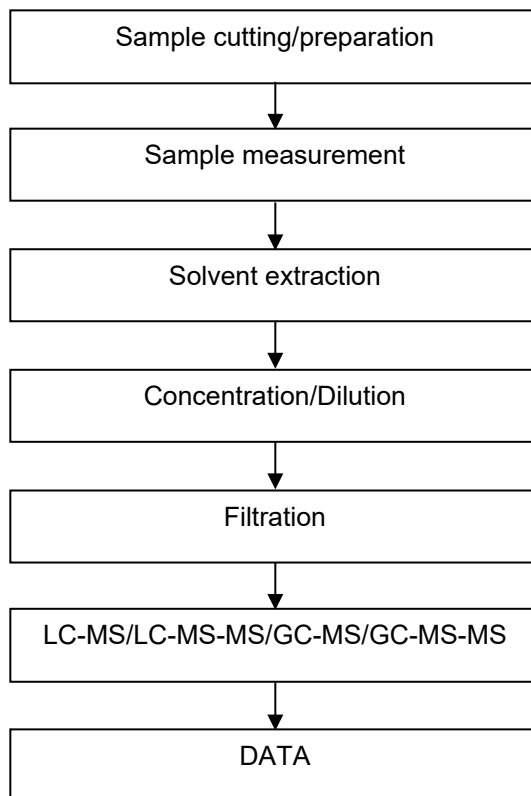
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PFASs/ PFOS/PFOA Testing Flow Chart



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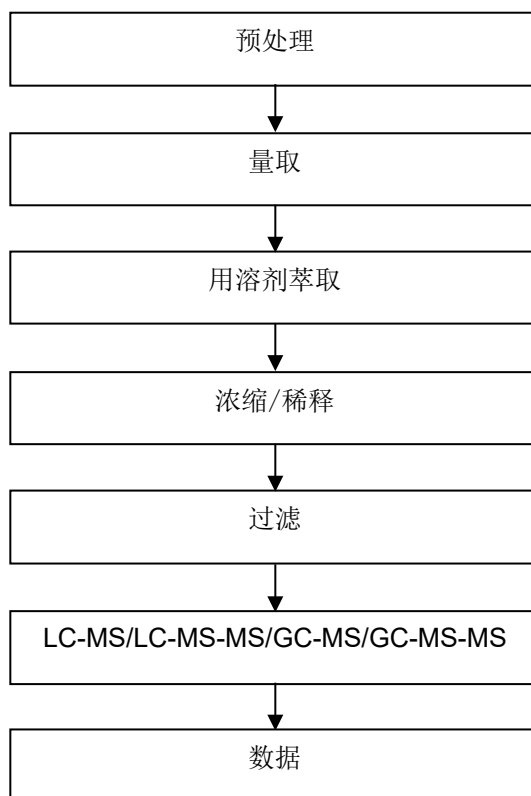
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PFASs/ PFOS/PFOA 检测流程图



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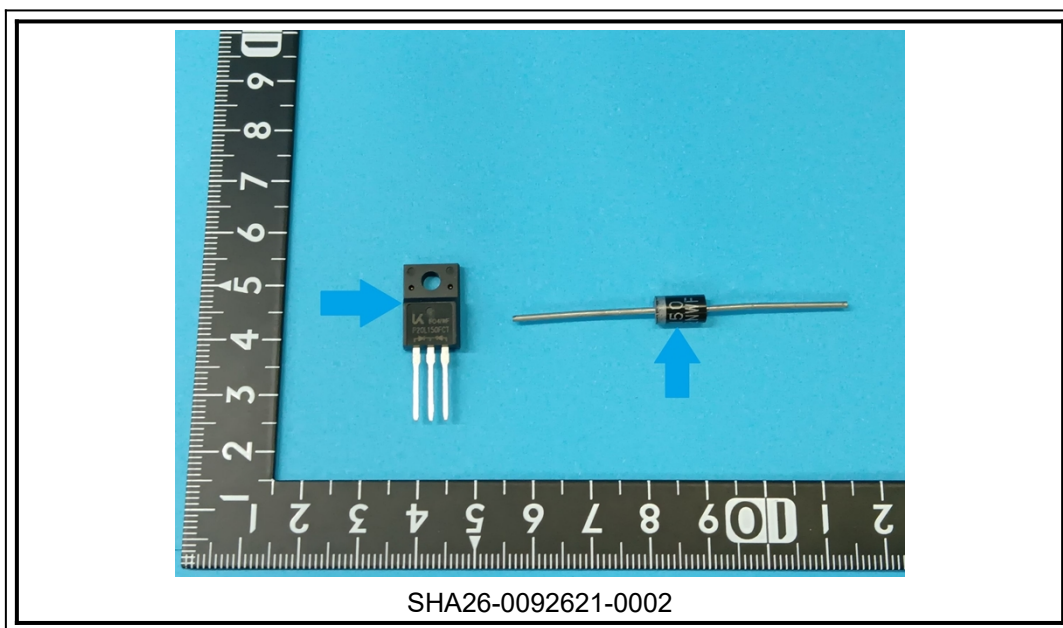
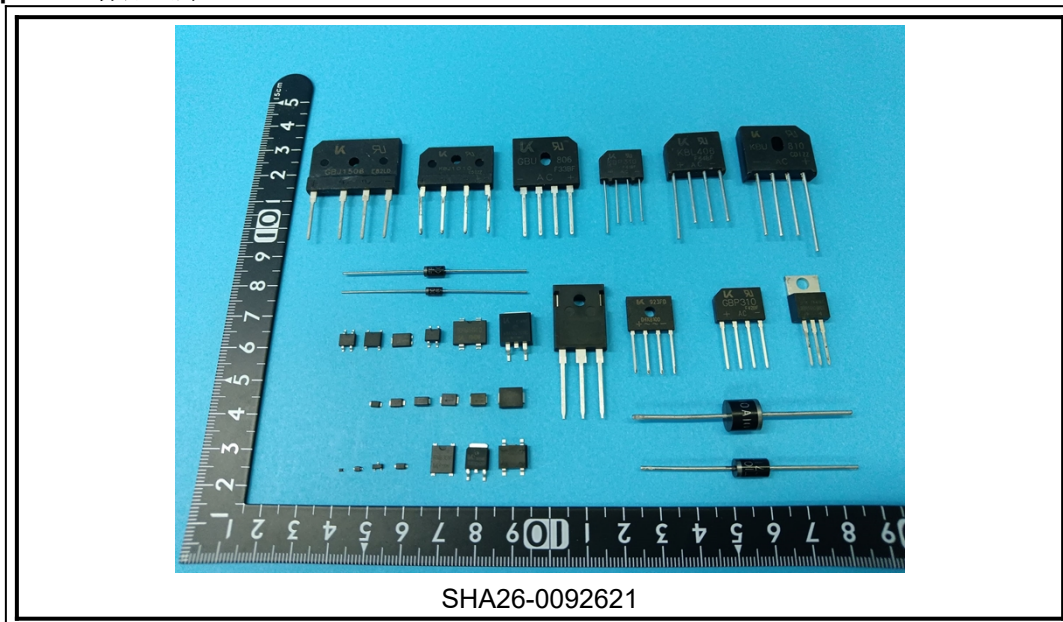
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