

Test Report

No.: ETR26900247

Date: 11-Sep-2026

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Servatec (Pty) Ltd.

Unit A2 High Park, Saxenburg Road, 7580 Kulis River

The following sample(s) was/were submitted and identified by the applicant as :

Sample Submitted By : Servatec (Pty) Ltd.
Sample Name : Servafresh Standard SO2 sheets

Sample Receiving Date : 01-Sep-2026
Testing Period : 01-Sep-2026 to 08-Sep-2026

Test Requested : (1) As specified by client, with reference to PPWR Regulation (EU) 2025/40 - Article 5.4 to determine Total Cadmium, Lead, Mercury, Cr(VI) contents in the submitted sample(s).
(2) As specified by client, with reference to PPWR Regulation (EU) 2025/40 - Article 5.5 to determine Perfluoroalkyl and polyfluoroalkyl substances (PFAS) and total Fluorine contents in the submitted sample(s).

Test Results : Please refer to following pages.

Conclusion : (1) Based on the performed tests by submitted sample(s), the test results of Total Cadmium, Lead, Mercury, Cr(VI) comply with the limits of PPWR Regulation (EU) 2025/40 - Article 5.4.
(2) Based on the performed tests by submitted sample(s), the test results of Perfluoroalkyl and polyfluoroalkyl substances (PFAS) and total Fluorine comply with the limits of PPWR Regulation (EU) 2025/40 - Article 5.5.


Troy Chang / Department Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



PIN CODE: 9A954852

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Servatec (Pty) Ltd.

Unit A2 High Park, Saxenburg Road, 7580 Kulis River

Test Part Description

No.1 : WHITE SHEET WITH MULTICOLORED PRINTED

Test Results

Test Items	Method	Unit	MDL	Result	Limit
				No.1	
Cadmium (Cd) (CAS No.: 7440-43-9)	With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.	mg/kg	2	n.d.	-
Lead (Pb) (CAS No.: 7439-92-1)	With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.	mg/kg	2	n.d.	-
Mercury (Hg) (CAS No.: 7439-97-6)	With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES.	mg/kg	2	n.d.	-
Hexavalent Chromium Cr(VI) (CAS No.: 18540-29-9)	With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.	mg/kg	8	n.d.	-
Sum of Cadmium, Lead, Mercury, Cr(VI)	-	mg/kg	-	n.d.	100
Fluorine (F) (CAS No.: 14762-94-8)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	n.d.	50

Test Items	Method	Unit	MDL	Result	Limit
				No.1	
all Targeted PFAS items as Appendix 1	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	as Appendix 1	n.d.	0.025
Sum of Targeted PFAS	-	mg/kg	-	n.d.	0.25

Note :

1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected (Less than MDL)
4. "-" = Not Regulated
5. 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. According to this rule, the judgement of conformity is based on the comparing test results with limits.

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【Appendix 1】

The quantitative technology of PFAS is to analyze the specific structure of PFAS substances. However, PFAS acid and its salts with the same carbon number group have the same specific structure that can be identified. The tested results of the analyzed specific structure cannot be distinguished to identify the contribution from PFAS acid or its salts. Therefore, the tested results display the sum of concentrations of PFAS acids and its salts with the same carbon number group. The concentration of PFAS substances in the below table have been included in the tested results, please refer to the table for relevant information: (The listed PFAS substances are examples only, it do not include all PFAS salts with the same carbon number group.)

Group Name	Substance Name	CAS No.	MDL (mg/kg)
TFA, its salts	Trifluoroacetic acid (TFA)	76-05-1	1
	Sodium trifluoroacetate (TFA-Na)	2923-18-4	-
	Thallium(III) trifluoroacetate (TFA-Tl)	23586-53-0	-
	Lithium Trifluoroacetate (TFA-Li)	2923-17-3	-
	Silver trifluoroacetate (TFA-Ag)	2966-50-9	-
	Cesium Trifluoroacetate (TFA-Cs)	21907-50-6	-
	Potassium trifluoroacetate (TFA-K)	2923-16-2	-
	Ammoniumtrifluoroacetate (TFA-NH ₄)	3336-58-1	-
	Mercury(II) trifluoroacetate (TFA-Hg)	13257-51-7	-
	Palladium(II) trifluoroacetate (TFA-Pd)	42196-31-6	-
	Trifluoroacetate / Trifluoroacetic acid anion (TFA anion)	14477-72-6	-
	Dimethyl[(trifluoroacetyl)oxy]sulfanium trifluoroacetate	57738-66-6	-
	Aluminium tris(trifluoroacetate) (TFA-Al)	36554-89-9	-
	Barium bis(trifluoroacetate) (TFA-Ba)	60884-92-6	-
	Erbium tris(trifluoroacetate) (TFA-Er)	70236-99-6	-
	Indium trifluoroacetate (TFA-In)	36554-90-2	-
	Lanthanum tris(trifluoroacetate) (TFA-La)	70236-92-9	-
	Nickel(2+) trifluoroacetate (TFA-Ni)	16083-14-0	-
	Lead(II) trifluoroacetate (TFA-Pb)	4146-73-0	-
	Acetic acid, trifluoro-, rhodium(2+) salt (TFA-Rh)	72654-51-4	-
	Thulium tris(trifluoroacetate) (TFA-Tm)	70237-00-2	-
	Ytterbium(3+) tris(trifluoroacetate) (TFA-Yb)	87863-62-5	-
	Zinc bis(trifluoroacetate) (TFA-Zn)	21907-47-1	-
	Ruthenium(II) 2,2,2-trifluoroacetate (TFA-Ru)	61612-84-8	-
	Magnesium 2,2,2-trifluoroacetate (TFA-Mg)	123333-72-2	-
	Copper(2+) trifluoroacetate (TFA-Cu)	123333-88-0	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
TFA, its salts	Methyltrioctylammonium trifluoroacetate	121107-16-2	-
	Chromium(3+) tris(trifluoroacetate) (TFA-Cr)	16712-29-1	-
	Tetraethylammonium trifluoroacetate (TFA-N(C ₂ H ₅) ₄)	30093-29-9	-
	Tetrabutylammonium trifluoroacetate (TFA-N(C ₄ H ₉) ₄)	39481-22-6	-
	Europium(3+) trifluoroacetate-water (1/3/3) (TFA-Eu.H ₂ O)	94079-71-7	-
PFBA, its salts	Perfluorobutane acid (PFBA)	375-22-4	0.01
	Ammonium perfluorobutanoate (PFBA-NH ₄)	10495-86-0	-
	Sodium perfluorobutanoate (PFBA-Na)	2218-54-4	-
	Potassium heptafluorobutanoate (PFBA-K)	2966-54-3	-
	Silver perfluorobutanoate (PFBA-Ag)	3794-64-7	-
	Lithium perfluorobutanoate (PFBA-Li)	4146-76-3	-
	Heptafluorobutanoic acid-piperazine (1:1)	375-04-2	-
	Perfluorobutanoate (anion)	45048-62-2	-
	4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1) (PFBA-C ₆ H ₄ ClF ₆ N ₂ P)	-	-
	Heptafluorobutanoic acid-1-phenylpiperazine (1:1) (PFBA-C ₁₀ H ₁₄ N ₂)	2263-11-8	-
	Perfluorobutanoic anhydride (PFBAA)	336-59-4	-
	Heptafluorobutanoic acid calcium salt (PFBA-Ca)	2366-98-5	-
	Rhodium(II) perfluorobutyrate dimer (PFBA-Rh)	73755-28-9	-
	Perfluorobutyryl chloride (PFBA-Cl)	375-16-6	-
	Perfluorobutanoyl fluoride (PFBA-F)	335-42-2	-
	Heptafluorobutanoyl Bromide (PFBA-Br)	375-13-3	-
	4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1)	-	-
	N5-(5-Hydroxy-4,6-dimethylpyrimidin-2-yl)-L-ornithine-heptafluorobutanoic acid (1/2)	936233-19-1	-
-	3-(Perfluorobutyl)propanoic acid	80705-13-1	0.01
PFBS, its salts & derivatives	Perfluorobutane sulfonate (PFBS)	375-73-5	0.01
	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, sodium salt (1:1) (PFBS-Na)	60453-92-1	-
	Lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5	-
	Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3	-
	Perfluorobutane Sulfonate K-salt (PFBS-K)	29420-49-3	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFBS, its salts & derivatives	Perfluorobutane sulfonyl fluoride (PFBS-F)	375-72-4	-
	Tetraethylammonium perfluorobutanesulfonate (PFBS-N(CH ₃ CH ₂) ₄)	25628-08-4	-
	Triphenylsulfonium perfluorobutane sulfonate (TPS-PFBS)	144317-44-2	-
	Dimethyl(phenyl)sulfonium perfluorobutane sulfonate	220133-51-7	-
	Tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate	220689-12-3	-
	Morpholinium perfluorobutanesulfonate	503155-89-3	-
	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate (PFBS-NH ₄)	68259-10-9	-
	Nonafluorobutanesulfonic acidHydrate	59933-66-3	-
	Nonafluoro-1-butanesulfonyl chloride (PFBS-Cl)	2991-84-6	-
	Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate (PFBS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	194999-85-4	-
	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	-
	1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate (PFBS-SC ₁₈ H ₂₃ O)	209482-18-8	-
	Tetrabutylammonium nonafluorobutanesulfonate ((PFBS-N(C ₄ H ₉) ₄))	108427-52-7	-
	Diphenyliodonium nonafluorobutane-1-sulfonate((PFBS-I(C ₆ H ₅) ₂))	194999-82-1	-
	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	241806-75-7	-
	Sulfonium, (4-cyclohexylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	425670-64-0	-
	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	-
	Pyridinium, 1-ethyl-3-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1015420-87-7	-
	1H-Imidazolium, 1-methyl-3-octyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	905972-83-0	-
	1H-Imidazolium, 3-hexyl-1-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1001557-05-6	-
	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	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFBS, its salts & derivatives	Sulfonium, [4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	857285-80-4	-
	1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	124472-66-8	-
	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1) (PFBS-Zn)	502457-69-4	-
	1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	56773-55-8	-
	Perfluorobutanefulfonic acid tetramethylammonium salt (PFBS-N(CH ₃) ₄)	25628-17-5	-
	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, 1,1'-anhydride	36913-91-4	-
	Perfluorobutane sulfonate (anion)	45187-15-3	-
	1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium - 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate	EC No. 468-770-4	-
	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, compd. with N,N-diethylethanamine (1:1)	182059-38-7	-
	1-Octanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	334529-55-4	-
	Pyridinium, 1-hexadecyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	334529-62-3	-
	Pyridinium, 1-butyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	334529-64-5	-
	1-Octanaminium, N-methyl-N,N-dioctyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	495417-51-1	-
	Sulfonium, tris(4-methylphenyl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate (1:1)	722538-68-3	-
	N-Ethyl-N-methyl-N-propylammonium perfluorobutanefulfonate	1186599-90-5	-
	[4-(2-Methylpropyl)phenyl]-diphenylsulfonium;1,1,2,2,3,3,4, 4,4-nonafluorobutane-1-sulfonate	1375211-36-1	-
	Diphenyl 4-tertbutylphenylsulfonium nonafluorobutanefulfonate	258872-05-8	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFBS, its salts & derivatives	Diphenyl(4-methylphenyl)sulfonium nonafluorobutanesulfonate	284474-28-8	-
	Trimethylsilyl nonafluorobutanesulfonate	68734-62-3	-
PFBSA, its salts	Perfluorobutane sulfon amides	30334-69-1	0.1
	Nonafluorobutanesulfonamide ammonia salt (FBSA-NH ₄)	131003-86-6	-
	Potassium (perfluorobutanesulfonyl)azanide (FBSA-K)	289042-19-9	-
-	1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide (PFBS-NC3H8O)	34454-97-2	0.01
-	1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA)	1799-84-4	0.1
PFPA, its salts	Perfluoropentane acid (PFPA)	2706-90-3	0.01
	Sodium perfluoropentanoate (PFPA-Na)	2706-89-0	-
	Potassium perfluoropentanoate (PFPA-K)	336-23-2	-
	Ammonium perfluoropentanoate (PFPA-NH ₄)	68259-11-0	-
	Lithium perfluoropentanoate (PFPA-Li)	198482-22-3	-
	Silver perfluoropentanoate (PFPA-Ag)	2795-30-4	-
	Perfluoropentanoate (anion)	45167-47-3	-
	Pentanoic acid, 2,2,3,3,4,4,5,5,5-nonafluoro-, compd. with phenylmethyl carbamimidothioate (1:1) (PFPeA-C ₈ H ₁₀ N ₂ S)	64808-55-5	-
	Nonafluoropentanoic anhydrid (PFPeAA)	308-28-1	-
	Perfluoropentanoyl chloride (PFPeA-Cl)	375-60-0	-
	Perfluoropentanoyl fluoride (PFPeA-F)	375-62-2	-
	Nonafluoropentanoyl bromide (PFPeA-Br)	159623-35-5	-
PFHxA, its salts & derivatives	Perfluorohexane acid (PFHxA)	307-24-4	0.01
	Ammonium perfluorohexanoate (PFHxA-NH ₄)	21615-47-4	-
	Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4	-
	Potassium perfluorohexanoate (PFHxA-K)	3109-94-2	-
	Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4	-
	Silver perfluorohexanoate (PFHxA-Ag)	336-02-7	-
	Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8	-
	Perfluorohexanoic anhydride	308-13-4	-
	Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8Cl,9Cl)	423-47-2	-
	Perfluorohexanoate (anion)	92612-52-7	-
	Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFHxA, its salts & derivatives	Perfluorohexanoyl bromide (PFHxA-Br)	1404193-66-3	-
	Hexanoic acid, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro-, compd. with 1-hexanamine (1:1) (PFHxA-C ₆ H ₁₅ N)	565225-91-4	-
	Hexanoic acid, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro-, compd. with 1-phenylpiperazine (1:1) (PFHxA-C ₁₀ H ₁₄ N ₂)	985-60-4	-
-	1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	0.1
-	1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	0.1
-	1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMAC)	2144-53-8	0.1
6:2 FTS, its salts	1H,1H,2H,2H-Perfluorooctanesulphonic acid (6:2 FTS)	27619-97-2	0.01
	Sodium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-Na)	27619-94-9	-
	Potassium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-K)	59587-38-1	-
	Ammonium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-NH ₄)	59587-39-2	-
	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	-
	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctane-1-sulfonate (6:2 FTS(anion))	425670-75-3	-
	2-(Perfluorohexyl)ethanesulfonyl chloride (6:2 FTS-Cl)	27619-89-2	-
	2-(Perfluorohexyl)ethanesulfonyl fluoride (6:2 FTS-F)	-	-
-	1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane (6:2 FTI)	2043-57-4	0.1
-	Perfluorohexyl iodide (PFHxI)	355-43-1	0.2
-	n-(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl)iodoacetamide	852527-50-5	0.01
-	Perfluorooctyl triethoxysilane (POTS)	51851-37-7	0.1
-	1H,1H,2H,2H-Perfluorooctyltrichlorosilane	78560-45-9	0.1
-	1H,1H,2H,2H-Perfluorooctyltrimethoxysilane	85857-16-5	
6:2 monoPAP, its salts	Mono[2-(perfluorohexyl)ethyl] Phosphate (6:2 monoPAP)	57678-01-0	0.1
	Diammonium 6:2 fluorotelomer phosphate monoester (6:2 monoPAP-NH ₄ NH ₄)	1000852-37-8	-
-	2-Iodo-1H,1H,1H,2H,3H,3H-perfluorononane	38550-34-4	0.2

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Unit A2 High Park, Saxenburg Road, 7580 Kulis River

Group Name	Substance Name	CAS No.	MDL (mg/kg)
-	N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide N-oxide	80475-32-7	0.1
-	Thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester	26650-09-9	0.2
-	2H,2H,3H,3H-Perfluorononanoic acid (6:3 FTCA)	27854-30-4	0.1
-	1H,1H,2H,2H-Perfluorooctanethiol (6:2 FTSH)	34451-26-8	0.2
-	1H,1H,2H,2H-Perfluorooctyldimethylchlorosilane (6:2 FTSiMe ₂ Cl)	102488-47-1	0.2
-	1-Iodo-1H,1H-Perfluoroheptane (6:1 FTI)	212563-43-4	0.2
-	3-(Perfluorohexyl)propyl iodide (6:3 FTI)	89889-20-3	0.2
6:2 FTPA, its salts	1H,1H,2H,2H-Perfluorooctanephosphonic acid (6:2 FTPA)	252237-40-4	0.1
	Sodium hydrogen ((perfluorohexyl)ethyl)phosphonate (Cheminox FHP 2OH-Na(PFHEPA-Na))	1189052-95-6	-
-	1H,1H-perfluorohexan-1-ol (5:1 FTOH)	423-46-1	0.2
-	1H,1H-perfluoro-1-heptanol (6:1 FTOH)	375-82-6	0.2
-	3-(perfluorohexyl)propanol (6:3 FTOH)	80806-68-4	0.2
-	3,3,4,4,5,5,6,6,7,7,7-undecafluoro-2-heptanol	914637-05-1	0.2
-	1-(perfluorohexyl)octane	133331-77-8	0.2
-	1H,1H-Perfluoroheptylamine (6:1 FTNH ₂)	423-49-4	0.2
PFHxS, its salts & derivatives	Perfluorohexane sulfonate (PFHxS)	355-46-4	0.01
	Perfluorohexanesulfonate Na-salt (PFHxS-Na)	82382-12-5	-
	Perfluorohexanesulfonate K-salt (PFHxS-K)	3871-99-6	-
	Ammonium perfluorohexanesulfonate (PFHxS-NH ₄)	68259-08-5	-
	Perfluorohexanesulfonate Li-salt (PFHxS-Li)	55120-77-9	-
	Perfluorohexanesulfonate Zn-salt (PFHxS-Zn)	70136-72-0	-
	Perfluorohexane sulphonyl fluoride (PFHxS-F)	423-50-7	-
	Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1000597-52-3	-
	N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate	108427-54-9	-
	N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate (1:1)	108427-55-0	-

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Unit A2 High Park, Saxenburg Road, 7580 Kulis River

Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFHxS, its salts & derivatives	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)	1187817-57-7	-
	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-24-0	-
	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)	1310480-27-3	-
	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)	1310480-28-4	-
	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)	1329995-45-0	-
	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)	1329995-69-8	-
	Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	144116-10-9	-
	Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1462414-59-0	-
	Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	153443-35-7	-
	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)	189274-31-5	-
	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)	202189-84-2	-
	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)	213740-81-9	-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9Cl)	341035-71-0	-

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Unit A2 High Park, Saxenburg Road, 7580 Kulis River

Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFHxS, its salts & derivatives	Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	341548-85-4	-
	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	-
	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	-
	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	-
	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)	421555-73-9	-
	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 acid	421555-74-0	-
	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)	425670-70-8	-
	Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-16-0	-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)	72033-41-1	-
	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) (9Cl)	866621-50-3	-
	Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	910606-39-2	-
	Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	911027-68-4	-
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-CsH)	92011-17-1	-
	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)	928049-42-7	-

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Unit A2 High Park, Saxenburg Road, 7580 Kulis River

Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFHxS, its salts & derivatives	Perfluorohexylsulfonyl chloride (PFHxS-Cl)	55591-23-6	-
	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	911027-69-5	-
	Perfluorohexane sulfonate (anion)	108427-53-8	-
	Tetrabutylphosphonium tridecafluorohexane-1-sulfonate (PFHxS-P (C ₄ H ₉) ₄)	2310194-12-6	-
-	N-Methylperfluoro-1-hexanesulfonamide (N-Me-FHxSA)	68259-15-4	0.01
-	Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	0.01
-	N-[3-(dimethylamino)propyl]tridecafluorohexanesulphonamide (N-AP-FHxSA)	50598-28-2	0.01
-	2-[Methyl[(tridecafluorohexyl)sulphonyl]amino]ethyl acrylate (N-MeFHSEA)	67584-57-0	0.2
-	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	0.1
-	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	0.1
-	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	0.01
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	0.01
	Potassium N-ethyl-n-[(tridecafluorohexyl)sulfonyl]glycinate (EtFHxSAA-K)	67584-53-6	-
	Sodium N-ethyl-N-((tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA-Na)	68555-70-4	-
PFHpA, its salts	Perfluoroheptane acid (PFHpA)	375-85-9	0.01
	Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5	-
	Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5	-

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Servatec (Pty) Ltd.

Unit A2 High Park, Saxenburg Road, 7580 Kulis River

Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFHpA, its salts	Ammonium perfluoroheptanoate (PFHpA-NH ₄)	6130-43-4	-
	Cesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6	-
	Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5	-
	Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1	-
	Perfluoroheptanoate (anion)	120885-29-2	-
	Perfluoroheptanoic anhydride (PFHpAA)	78225-99-7	-
	Perfluoroheptanoyl chloride (PFHpA-Cl)	52447-22-0	-
	Perfluoroheptanoyl fluoride (PFHpA-F)	375-84-8	-
HPFHpA, its salts	7H-Dodecanefluoroheptane acid (HPFHpA)	1546-95-8	0.01
	Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na)	2264-25-7	-
	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH ₄)	376-34-1	-
	7H-Perfluoroheptanoate (HPFHpA(anion))	69681-35-2	-
	Potassium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-K)	-	-
	Lithium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Li)	-	-
	7H-Perfluoroheptanoyl chloride (HPFHpA-Cl)	41405-35-0	-
	7H-Perfluoroheptanoyl fluoride (HPFHpA-F)	5927-65-1	-
	Perfluoroheptanoyl Bromide (PFHpA-Br)	159623-34-4	-
PFHpS, its salts	Perfluoroheptane sulfonate (PFHpS)	375-92-8	0.01
	Perfluoroheptanesulfonate Na-salt (PFHpS-Na)	21934-50-9	-
	Potassium perfluoroheptanesulfonate (PFHpS-K)	60270-55-5	-
	Ammonium perfluoroheptanesulfonate (PFHpS-NH ₄)	68259-07-4	-
	Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9	-
	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	-
	Perfluoroheptane sulfonate (anion)	146689-46-5	-
	Triethylammonium perfluoroheptane sulfonate	72033-40-0	-
	Tetraethylammonium perfluoroheptane sulfonate	439863-97-5	-
	1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, anhydride (9CI) (PFHpSA)	140429-92-1	-
	Perfluoroheptanesulfonyl fluoride (PFHpS-F)	335-71-7	-
	Perfluoroheptanesulfonyl chloride (PFHpS-Cl)	33018-82-5	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFOS, its salts & derivatives	Perfluorooctane sulfonates (PFOS)	1763-23-1	0.01
	Potassium perfluorooctanesulfonate (PFOS-K)	2795-39-3	-
	Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	-
	Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)	29081-56-9	-
	Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(C ₂ H ₄ OH) ₂)	70225-14-8	-
	Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3	-
	N-decyl-N,N-dimethyldecyl-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctane-1-sulfonate (PFOS-DDA)	251099-16-8	-
	TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄)	111873-33-7	-
	Perfluorooctane sulfonyl fluoride (POSF)	307-35-7	-
	Perfluorooctanesulfonic acid, magnesium salt (PFOS-Mg)	91036-71-4	-
	Perfluorooctanesulfonic acid, sodium salt (PFOS-Na)	4021-47-0	-
	Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctanesulfonate	71463-74-6	-
	Perfluorooctanesulfonate (anion)	45298-90-6	-
	1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-, compd. with N,N-diethylethanamine (1:1) (PFOS-NH(C ₂ H ₅) ₃)	54439-46-2	-
	Methanaminium, N,N,N-trimethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-1-octanesulfonate (1:1) (PFOS-N(CH ₃) ₄)	56773-44-5	-
	1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-1-octanesulfonate (1:1) (PFOS-N(C ₃ H ₇) ₃ (C ₅ H ₁₁))	56773-56-9	-
	1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-1-octanesulfonate (1:1) (PFOS-N(C ₄ H ₉) ₃ (CH ₃))	124472-68-0	-
	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-1-octanesulfonate (1:1)	213740-80-8	-

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Unit A2 High Park, Saxenburg Road, 7580 Kulis River

Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFOS, its salts & derivatives	Sulfonium, diphenyl(2,4,6-trimethylphenyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	258341-99-0	-
	Pyridinium, 1-hexadecyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	334529-63-4	-
	1-Decanaminium, N,N,N-triethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	773895-92-4	-
	Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P(C ₄ H ₉) ₄)	2185049-59-4	-
	Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7	-
	Heptyldimethyl[2-[(2-methylprop-2-enoyl)oxy]ethyl]azanium perfluorooctanesulfonate (PFOS-C ₁₅ H ₃₀ NO ₂)	1203998-97-3	-
	1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, 1,1'-anhydride (PFOSAN)	423-92-7	-
	Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9	-
-	N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	0.01
-	N-Methyl-Perfluorooctanesulfonamide (N-Me-FOSA)	31506-32-8	0.01
-	N-Ethyl-Perfluorooctanesulfonamidoethanol (N-Et-FOSE alcohol)	1691-99-2	0.01
-	N-Methyl-Perfluorooctanesulfonamidoethanol (N-Me-FOSE alcohol)	24448-09-7	0.01
PFOSA, its salts	Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.01
	Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9	-
	Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8	-
	Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0	-
	Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄)	76752-72-2	-
	heptadecafluorooctane-1-sulphonamide, compound with triethylamine(1:1) (PFOSA-C ₆ H ₁₅ N)	76752-82-4	-
PFOA, its salts & derivatives	Perfluorooctanoic acid (PFOA)	335-67-1	0.01
	Sodium perfluorooctanoate (PFOA-Na)	335-95-5	-
	Potassium perfluorooctanoate (PFOA-K)	2395-00-8	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFOA, its salts & derivatives	Silver perfluorooctanoate (PFOA-Ag)	335-93-3	-
	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	-
	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	-
	Lithium perfluorooctanoate (PFOA-Li)	17125-58-5	-
	Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6	-
	Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9	-
	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	-
	Pentadecafluorooctanoic acid--piperazine (2/1)PFOA-NH(C ₄ H ₁₀ N)	423-52-9	-
	Pentadecafluorooctanoate (anion)	45285-51-6	-
	Perfluorooctanoic Anhydride	33496-48-9	-
	Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)	98241-25-9	-
	Tetramethylammoniumperfluorooctanoat	32609-65-7	-
	1-Propanaminium, N,N,N-tripropyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)	277749-00-5	-
	Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt, hydrate (1:1:2) (PFOA-K(H ₂ O) ₂)	98065-31-7	-
	Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6	-
	Octanoic acid, pentadecafluoro-, compd. with pyridine (1:1) (9Cl) (PFOA-C ₅ H ₅ N)	95658-47-2	-
	Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C ₁₀ H ₁₄ N ₂)	1514-68-7	-
	1-Octanaminium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1) (PFOA- C ₁₁ H ₂₆ N)	927835-01-6	-
	Pentadecafluorooctanoyl chloride (PFOA-Cl)	335-64-8	-
	Perfluorooctanoyl Bromide (PFOA-Br)	222037-87-8	-
-	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	0.1
-	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	0.1
-	Perfluoro-1-iodooctane (PFOI)	507-63-1	0.1
-	3-Perfluoroheptyl propanoic acid (7:3 FTCA)	812-70-4	0.01

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
8:2 monoPAP, its salts	Mono-[2-(perfluorooctyl)ethyl]phosphate (8:2 monoPAP)	57678-03-2	0.1
	8:2 Fluorotelomer diammonium phosphate	93857-44-4	-
	Disodium 1H,1H,2H,2H-perfluorodecylphosphate	438237-75-3	-
	Ammonium bis[2-(perfluorohexyl)ethyl] phosphate	1764-95-0	-
	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium salt	92401-44-0	-
	Sodium 1H,1H,2H,2H-perfluorooctylphosphate	144965-22-0	-
	Monopotassium monoperfluorohexyl ethylphosphate	150033-28-6	-
	Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate	2353-52-8	-
8:2 FTS, its salts	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	0.01
	Potassium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-K)	438237-73-1	-
	Ammonium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-NH ₄)	149724-40-3	-
	Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-Na)	27619-96-1	-
	8:2 Fluorotelomer sulfonate (anion) (8:2 FTS(anion))	481071-78-7	-
	2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl)	27619-90-5	-
-	1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	0.1
-	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	0.1
-	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	0.1
H2PFDA, its salts	2H,2H-Perfluorodecane acid (H2PFDA)	27854-31-5	0.01
	Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	882489-14-7	-
-	1H,1H,2H,2H-Perfluorodecyl iodide (8_2 FTI)	2043-53-0	0.1
-	1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC ₂ H ₅) ₃)	101947-16-4	0.1
4HPFUnA, its salts	2H,2H,3H,3H-Perfluoroundecanoic Acid (4HPFUnA)	34598-33-9	0.01
	Potassium 2H,2H,3H,3H-Perfluoroundecanoate (H4PFUnA-K)	83310-58-1	-
	Lithium 3-(perfluorooctyl)propanoate (H4PFUnA-Li)	67304-23-8	-
-	1H,1H,2H-Heptadecafluoro-1-decene (PFDE)	21652-58-4	0.1
8:2diPAP, its salts	Bis(1H,1H,2H,2H-Perfluorodecyl)phosphate (8:2diPAP)	678-41-1	0.01
	Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
8:2diPAP, its salts	Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate	57677-97-1	-
	Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2diPAP-NH ₄)	93776-20-6	-
	8:2 Fluorotelomer phosphate diester ion	1411713-91-1	-
PFNA, its salts	Perfluorononan-1-oic acid (PFNA)	375-95-1	0.01
	Perfluorononanoate Na-salt (PFNA-Na)	21049-39-8	-
	Perfluorononanoate ammonium salt (APFN)	4149-60-4	-
	Potassium perfluorononanoate (PFNA-K)	21049-38-7	-
	Perfluorononanoate Li-Salt (PFNA-Li)	60871-92-3	-
	Silver perfluorononanoate (PFNA-Ag)	7358-16-9	-
	Methanaminium perfluorononanoate (PFNA-NH ₃ (CH ₃))	77032-23-6	-
	Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptafluoro-, compd. with N-ethylethanamine (1:1) PFNA-NH ₂ (C ₂ H ₅) ₂	77032-27-0	-
PFNA, its salts	Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptafluoro-, compd. with N-methylmethanamine (1:1) (PFNA-NH ₂ (CH ₃) ₂)	77032-24-7	-
	Nonanoic acid, heptafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-NH(C ₂ H ₅) ₃)	327176-80-7	-
	Nonanoic acid, heptafluoro-, compd. with piperidine (1:1) (9CI) (PFNA-NH ₂ (C ₅ H ₁₀))	95682-66-9	-
	Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptafluoro-, compd. with benzenamine (1:1) (PFNA-NH ₃ (C ₆ H ₅))	95682-67-0	-
	Nonanoic acid, heptafluoro-, compd. with cyclohexanamine (1:1) (9CI) (PFNA-NH ₃ (C ₆ H ₁₁))	328531-06-2	-
	Perfluorononanoate (anion)	72007-68-2	-
	4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptafluorononanoate (PFNA-C ₁₁ H ₁₂ N ₄ O ₃ S)	298703-33-0	-
	Perfluorononanoic anhydride (PFNAA)	228407-54-3	-
	Perfluorononanoyl chloride (PFNA-Cl)	52447-23-1	-
PFNA, its salts	Perfluorononanoyl fluoride (PFNA-F)	558-95-2	-
	Heptafluorononanoyl Bromide (PFNA-Br)	261503-42-8	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
9H-PFNA, its salts	9H-Perfluorononanoic acid (9H-PFNA)	76-21-1	0.1
	Sodium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-	-
	Sodium 9-chloro-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-	-
	Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-	-
	Potassium 9-chloroperfluorononanoate	1415963-94-8	-
	Ammonium hexadecafluorononanoate	1868-86-6	-
	Lithium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-	-
	Lithium 9-chloro-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-	-
-	Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6	0.01
-	((Perfluorooctyl)ethyl)phosphonic acid	80220-63-9	0.02
PFDA, its salts	Perfluorodecane acid (PFDA)	335-76-2	0.01
	Perfluorodecanoate Na-salt (PFDA-Na)	3830-45-3	-
	Perfluorodecanoate ammonium salt (APFDA)	3108-42-7	-
	Potassium perfluorodecanoate (PFDA-K*)	51604-85-4	-
	Silver perfluorodecanoate (PFDA-Ag)	5784-82-7	-
	Lithium perfluorodecanoate (PFDA-Li)	84743-32-8	-
	Perfluorodecanoate (anion)	73829-36-4	-
	Perfluorodecanoic anhydride (PFDA-A)	942199-24-8	-
	Nonadecafluorodecanoyl chloride (PFDA-Cl)	307-38-0	-
	Nonadecafluorodecanoyl Fluoride (PFDA-F)	-	-
PFDDiA, its salts	Perfluorodecanedioic acid (PFDDiA)	307-78-8	0.01
	Disodium;2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorodecanedioate	-	-
	Dilithium;2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorodecanedioate	-	-
PFDDPA, its salts	Perfluorodecylphosphonic acid (PFDDPA)	52299-26-0	0.01
	Perfluorodecylphosphonic Acid 4-Methylbenzamine	-	-
	Perfluorodecylphosphonic Acid Di-4-toluidine Salt	-	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFUnDA, its salts	Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.01
	Ammonium perfluoroundecanoate (PFUnDA-NH ₄)	4234-23-5	-
	Perfluoroundecanoic acid sodium salt (PFUnDA-Na)	60871-96-7	-
	Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8	-
	Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2	-
	Perfluoroundecanoate (anion)	196859-54-8	-
PFDoDA, its salts	Perfluorododecanoic acid (PFDoDA)	307-55-1	0.01
	Ammonium perfluorododecanoate (APFDoDA)	3793-74-6	-
	Perfluorododecanoate (anion)	171978-95-3	-
	Sodium perfluoro-n-dodecanoic acid (PFDoDA-Na)	307-67-5	-
PFDS, its salts	Perfluorodecane sulfonate (PFDS)	335-77-3	0.01
	Perfluorodecanesulfonate Na-salt (PFDS-Na)	2806-15-7	-
	Perfluorodecanesulfonate K-salt (PFDS-K)	2806-16-8	-
	Perfluoroaliphatic dean-sulfonate salt of NH ₄ (PFDS-NH ₄)	67906-42-7	-
	Perfluorodecane sulfonate (anion)	126105-34-8	-
	Perfluorodecane sulfonic anhydride (PFDSA)	51667-62-0	-
	Perfluorodecanesulphonyl fluoride (PFDS-F)	307-51-7	-
	Perfluorodecanesulphonyl chloride (PFDS-Cl)	32779-61-6	-
PFTrDA, its salts	Pentacosafuorotridecanoic acid (PFTrDA)	72629-94-8	0.01
	Ammonium perfluorotridecanoate (PFTrDA-NH ₄)	4288-72-6	-
	Sodium perfluorotridecanoate (PFTrDA-Na)	60872-01-7	-
	Perfluorotridecanoate (anion)	862374-87-6	-
PFTDA, its salts	Perfluorotetradecanoic acid (PFTDA)	376-06-7	0.01
	Perfluorotetradecanoate (anion)	365971-87-5	-
-	1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	0.1
-	1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	0.1
-	1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	0.1
-	1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	0.1
10:2 FTS, its salts	1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	0.01
	1H,1H,2H,2H-Perfluorododecane sulfonic acid Sodium Salt (10:2 FTS-Na)	108026-35-3	-
	2-(Perfluorodecyl)ethane-1-sulfonyl chloride (10:2 FTS-Cl)	27619-91-6	-

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Unit A2 High Park, Saxenburg Road, 7580 Kulis River

Group Name	Substance Name	CAS No.	MDL (mg/kg)
-	1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	0.1
-	1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	0.1
PFNS, its salts	Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.01
	Sodium perfluoro-1-nananesulfonate (PFNS-Na*)	98789-57-2	-
	Ammonium nonadecafluoronananesulphonate (PFNS-NH ₄)	17202-41-4	-
	Potassium perfluoronananesulfonate (PFNS-K*)	29359-39-5	-
	Perfluorononane sulfonate (anion)	474511-07-4	-
	Perfluoronananesulfonyl fluoride (PFNS-F)	68259-06-3	-
PFUnDS, its salts	Perfluoroundecane sulfonic acid (PFUnDS)	749786-16-1	0.01
	Perfluoroundecanesulfonate (anion)	441296-91-9	-
PFDoDS, its salts	Perfluorododecane sulfonic acid (PFDoDS)	79780-39-5	0.01
	Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na*)	1260224-54-1	-
	Potassium perfluorododecanesulfonate (PFDoDS-K)	85187-17-3	-
	Perfluorododecane sulfonate (anion)	343629-43-6	-
PFTrDS, its salts	Perfluorotridecane sulfonic acid (PFTrDS)	791563-89-8	0.01
	Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na*)	174675-49-1	-
10:2 diPAP, its salts	10:2 Fluorotelomer phosphate diester (10:2 diPAP)	1895-26-7	0.1
	bis[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuorododecyl] hydrogen phosphate, compound with 2,2'-iminodiethanol (1:1) (10:2 diPAP-C ₄ H ₁₁ O ₂)	57677-98-2	-
-	Perfluorododecyl iodide (PFDoDI)	307-60-8	0.1
-	Perfluorodecyl iodide (PFDI)	423-62-1	0.1
10:2 monoPAP, its salts	10:2 Fluorotelomer phosphate monoester (10:2 monoPAP)	57678-05-4	0.1
	10:2 Fluorotelomer diammonium dihydrogen phosphate	93857-45-5	-
	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	-
PFPeDA, its salts	Perfluoropentadecanoic acid (PFPeDA, C15)	141074-63-7	0.1
	Nonacosafuoropentadecanoate (PFPeDA (anion))	1214264-29-5	-
PFHxDA, its salts	Perfluorohexadecanoic acid (PFHxDA, C16)	67905-19-5	0.01
	Hentriacontafluorohexadecanoate anion (PFHxDA (anion))	1214264-30-8	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
-	Perfluoroheptadecanoic acid (PFHpDA, C17)	57475-95-3	0.01
PFODA, its salts	Perfluorooctadecanoic acid (PFODA, C18))	16517-11-6	0.01
	Perfluorooctadecanoate anion (PFODA (anion))	798556-82-8	-
	Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14, 15,15,16,16,17,17,18,18,18- pentatriacontafluorooctadecanoate	-	-
	Sodium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14, 15,15,16,16,17,17,18,18,18- pentatriacontafluorooctadecanoate	-	-
	Lithium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14, 15,15,16,16,17,17,18,18,18- pentatriacontafluorooctadecanoate	-	-
-	Perfluorononadecanoic acid (PFNDA, C19)	133921-38-7	0.01
-	Perfluoroeicosanoic acid (PFCA, C20)	68310-12-3	0.01
-	Perfluoroheneicosanoic acid (PFCA, C21)	2920913-30-8	0.01
PFMPA, its salts	Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	0.01
	Perfluoro-3-methoxypropanoic anhydride (PFMPAA)	42566-65-4	-
-	Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	0.01
-	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	0.01
ADONA, its salts	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	0.01
	Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA-NH ₄)	958445-44-8	-
	Sodium 4,8-dioxa-3H-perfluorononanoate (ADONA-Na)	2250081-67-3	-
	Potassium 2,2,3-trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA-K)	1087271-46-2	-
	2,2,3-Trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA (anion))	2127366-90-7	-
-	1H,1H,2H,2H-Perfluoro-1-hexanol (4:2FTOH)	2043-47-2	0.4
HFPO-DA, its salts & derivatives	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acide (HFPO-DA)	13252-13-6	0.01
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-(2R)-	75579-39-4	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
HFPO-DA, its salts & derivatives	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-(2S)-	75579-40-7	-
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, K ⁻ salts	67118-55-2	-
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, ammonium salts	62037-80-3	-
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-, sodium salt (1:1)	67963-75-1	-
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-, ion(1-)	122499-17-6	-
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-, compd. with N-propyl-1-propanamine (1:1)	165951-17-7	-
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, compd. with N,N-diethylethanamine (1:1) (9CI)	165951-18-8	-
	4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	298703-31-8	-
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its acyl halides	2062-98-8	-
	Benzoic acid, 2,3,6-triiodo-, (1-methyl-3-piperidiny)methyl ester, compd. with 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoro propoxy)propanoate (1:1) (HFPO-C ₁₄ H ₁₆ I ₃ NO ₂)	2412106-69-3	-
4:2 FTS, its salts	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	0.01
	1H,1H,2H,2H-perfluorohexane sulfonate acid sodium salt	27619-93-8	-
	4: 2 Fluorotelomer sulfonate (4:2FTS(anion))	414911-30-1	-
FOSAA, its salts	Perfluorooctane sulfonamidoacetic acid (FOSAA)	2806-24-8	0.01
	N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6	-
	N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4	-
	N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5	-
N-MeFOSAA, its salts	N-methylperfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	2355-31-9	0.01
	2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))	909405-48-7	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
N-MeFOSAA, its salts	Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5	-
	Cyclo-hexachloro (N-methyl- (N-(perfluorooctylsulphonyl) glycinato-O1:O1')) dihydroxytrichromium	97298-47-0	-
N-EtFOSAA, its salts	N-ethylperfluorooctane sulfonamidoacetic (N-EtFOSAA)	2991-50-6	0.01
	Potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate (N-Et-FOSAA-K)	2991-51-7	-
	2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))	909405-49-8	-
	Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH4)	2991-52-8	-
	Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9	-
	Diaquatetrachloro[μ-[N-ethyl-N-[(perfluorooctyl)sulfonyl]glycinato-O1:O1']-μ-hydroxybis[2-methylpropanol]dichromium	68891-96-3	-
PFPeS, its salts	Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.01
	Sodium perfluoro-1-pentanesulfonate (PFPeS-Na*)	630402-22-1	-
	Potassium perfluoropentane-1-sulphonate (PFPeS-K)	3872-25-1	-
	Ammonium perfluoropentanesulfonate (PFPeS-NH ₄ *)	68259-09-6	-
	Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate	70225-17-1	-
	Undecafluoropentane-1-sulfonic acid lithium salt (PFPeS-Li)	1046864-81-6	-
	Perfluoropentane sulfonate (anion)	175905-36-9	-
	Triethylammonium perfluoropentane sulfonate	72033-42-2	-
	Perfluoropentane sulfonic anhydride (PFPeSA)	161877-72-1	-
3:3 FTCA, its salts	3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	0.01
	4,4,5,5,6,6-Heptafluorohexanoate (3:3 FTCA(anion))	1169706-83-5	-
	Sodium 3-(perfluoropropyl)propanoate (3:3FTCA-Na)	1207462-13-2	-
-	2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3	0.01

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
5:3 FTCA, its salts	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	0.01
	2H,2H,3H,3H-Perfluorooctanoate (5:3 FTCA(anion))	1799325-94-2	-
PFEESA, its salts	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	0.01
	Potassium perfluoro(2-ethoxyethane) sulfonate (PFEESA-K)	117205-07-9	-
	Sodium perfluoro(2-ethoxyethane) sulfonate (PFEESA-Na)	113507-87-2	-
9CI-PF ₃ ONS, its salts	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF ₃ ONS)	756426-58-1	0.01
	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9CI-PF ₃ ONS-K)	73606-19-6	-
	Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9CI-PF ₃ ONS-NH ₄)	1383434-28-3	-
	Perfluoro(2-[(6-chlorohexyl)oxy]ethanesulfonate) (9CI-PF ₃ ONS (anion))	1621485-21-9	-
11CI-PF ₃ OUdS, its salts	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF ₃ OUdS)	763051-92-9	0.01
	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate (11CI-PF ₃ OUdS-K)	83329-89-9	-
	2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2-tetrafluoroethanesulfonate (11CI-PF ₃ OUdS (anion))	2196242-82-5	-
-	2-(N-ethylperfluorooctanesulfamido)ethyl acrylate (EtFOSAC)	423-82-5	0.1
11H-PFUnDA, its salts	11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6	0.1
	potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-K)	307-71-1	-
	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-NH ₄)	5081-02-7	-
	11-H-Perfluoroundecanoate (11H-PFUnDA(anion))	69681-37-4	-
PFPrA, its salts	Pentafluoropropionate acid (PFPrA)	422-64-0	0.1
	Sodium pentafluoropropionate (PFPrA-Na)	378-77-8	-
	Silver pentafluoropropionate (PFPrA-Ag)	509-09-1	-
	Potassium pentafluoropropionate (PFPrA-K)	378-76-7	-
	Ammonium pentafluoropropionate (PFPrA-NH ₄)	2730-58-7	-
	Perfluoropropionate (PFPrA(anion))	44864-55-3	-
	Pentafluoropropionic acid-1-phenylpiperazine (1/1) (PFPrA-C10H14N2)	893-87-8	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFPrA, its salts	Pentafluoropropanoic acid-piperazine (1/1) (PFPrA-C ₄ H ₁₀ N ₂)	1690-94-4	-
	Imidazole perfluoropropionic acid salt (PFPrA-C ₃ H ₄ N ₂)	200705-90-4	-
-	1H,1H,2H,2H-Perfluorodecyltrichlorosilane	78560-44-8	0.1
-	1H,1H,2H,2H-Perfluorodecyltrimethoxysilane	83048-65-1	
-	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	0.01
-	2H-Perfluoro-2-octenoic acid (6:2 FTUCA)	70887-88-6	0.01
-	2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA)	70887-94-4	0.01
-	2-Perfluorodecyl ethanoic acid (10:2 FTCA)	53826-13-4	0.01
6:6 PFPI, its salts	6:6 Perfluorophosphinic acid (6:6 PFPI)	40143-77-9	0.01
	Sodium bis(perfluorohexyl)phosphinate (6:6 PFPI-Na)	70609-44-8	-
	Bis(perfluorohexyl) phosphinic acid ytterbium(3+) salt (6:6 PFPI-Yb)	500776-72-7	-
	Bis(perfluorohexyl) phosphinic acid erbium(3+) salt (6:6 PFPI-Er)	500776-73-8	-
-	6:8 Perfluorophosphinic acid (6:8 PFPI)	610800-34-5	0.01
8:8 PFPI, its salts	8:8 Perfluorophosphinic acid (8:8 PFPI)	40143-79-1	0.01
	Sodium bis(perfluorooctyl)phosphinate (8:8 PFPI-Na)	500776-69-2	-
	Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPI-Er)	500776-70-5	-
	Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPI-Yb)	500776-71-6	-
-	1H,1H,2H,2H-Heptadecafluorodecyl acetate (8:2 FTOAc)	37858-04-1	0.1
-	1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, 1-acetate (10:2 FTOAc)	37858-05-2	0.1
PFTrOODA, its salts	Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid	65294-16-8	0.01
	Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid potassium salt	67963-77-3	-
	Propanoic acid, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]-, ammonium salt (1:1)-, ammonium salt (1:1)	-	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
HFPO-TA, its salts	Perfluoro-2,5-dimethyl-3,6-dioxananoic acid (HFPO-TA)	13252-14-7	0.2
	Potassium perfluoro(2-(2-propoxypropoxy)propanoate) (HFPO-TA-K)	67118-57-4	-
	Perfluoro-2,5-dimethyl-3,6-dioxananoic acid, sodium salt (HFPO-TA-Na)	67963-76-2	-
	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid--ammonia (HFPO-TA-NH ₄)	13043-05-5	-
	Hexafluoropropene oxide trimer (HFPO-TA-F)	2641-34-1	-
	Triethylaminium perfluoro-2-(2-propoxypropoxy)propanoate (HFPO-TA-NH(C ₂ H ₅) ₃)	165951-19-9	-
	Methanaminium perfluoro-2-(2-propoxypropoxy)propanoate	328065-29-8	-
	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid--N-methylmethanamine	328065-54-9	-
PFETs, its salts	Pentafluoroethane sulfonic acid (PFETs)	354-88-1	0.01
	Pentafluoroethanesulfonate (PFETs (anion))	108410-37-3	-
	Potassium pentafluoroethane-1-sulfonate (PFETs-K)	2837-92-5	-
HFAC, its salts	Hexafluoroacetylacetone and its salts (HFAC)	1522-22-1	0.01
	Strontium hexafluoroacetylacetonate (HFAC-Sr)	121012-89-3	-
	Calcium hexafluoroacetylacetonate (HFAC-Ca)	121012-90-6	-
	Bismuth(III) hexafluoroacetylacetonate (HFAC-Bi)	141364-06-9	-
	Nickel(2 ⁺) bis(1,1,1,5,5,5-hexafluoro-2,4-dioxopentan-3-ide) (HFAC-Ni)	14949-69-0	-
	Copper(II) hexafluoroacetylacetonate hydrate (HFAC- Cu·H ₂ O)	155640-85-0	-
	Thorium hexafluoroacetylacetonate (HFAC-Th)	18865-75-3	-
	Yttrium hexafluoroacetylacetonate (HFAC-Y)	18911-76-7	-
	Erbium(III) hexafluoroacetylacetonate hydrate (HFAC- Er·H ₂ O)	18923-92-7	-
	Scandium(III) hexafluoroacetylacetonate (HFAC-Sc)	18990-42-6	-
	Cobalt(2 ⁺) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten- 2-olate] (HFAC-Co)	19648-83-0	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
HFAC, its salts	Magnesium bis(1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate) (HFAC-Mg)	19648-85-2	-
	Manganese(2 ⁺) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate] (HFAC-Mn)	19648-86-3	-
	Sodium hexafluoroacetylacetonate (HFAC-Na)	22466-49-5	-
	Caesium (2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate (HFAC-Cs)	22518-56-5	-
	Barium hexafluoroacetylacetonate (HFAC-Ba)	314071-48-2	-
	Indium hexafluoropentanedionate (HFAC-In)	34110-72-0	-
	Tin(II) hexafluoroacetylacetonate (HFAC-Sn)	51319-99-4	-
	Palladium(II) hexafluoroacetylacetonate (HFAC-Pd)	64916-48-9	-
6:2 diPAP, its salts	Bis[2-(perfluorohexyl)ethyl] Phosphate (6:2 diPAP)	57677-95-9	0.01
	Sodium bis[2-(perfluorohexyl)ethyl] phosphate (6:2 diPAP-Na)	407582-79-0	-
	Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate ion (6:2 diPAP(anion))	667465-18-1	-
TFSI, its salts	Trifluoromethanesulfonimide (TFSI)	82113-65-3	0.01
	Pyrrolidinium, 1-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1)	223437-11-4	-
	Tributylmethyl Ammonium Bis(trifluoromethanesulfonyl) Imide	405514-94-5	-
	Lithium bis((trifluoromethyl)sulfonyl)azanide (TFSI-Li)	90076-65-6	-
	1-Decyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide	433337-23-6	-
	Zinc(II) Bis(trifluoromethanesulfonyl)imide ((TFSI)2-Zn)	168106-25-0	-
	Manganese(II) Bis(trifluoromethanesulfonyl)imide ((TFSI)2-Mn)	207861-55-0	-
	Nickel bis(trifluoromethylsulfonyl)imide ((TFSI)2-Ni)	207861-63-0	-
	Copper(II) Bis(trifluoromethanesulfonyl)imide ((TFSI)2-Cu)	162715-14-2	-
	(OC-6-11)-Tris(1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl-kappaO)methanesulfonamidato-kappaO)iron ((TFSI)3-Fe)	207861-59-4	-
	Copper(II) trifluoromethanesulfonimide xhydrate ((TFSI)2-CuH2O)	1334406-76-6	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
TFSI, its salts	Silver Bis(trifluoromethanesulfonyl)imide (TFSI-Ag)	189114-61-2	-
	Copper bis(trifluoromethylsulfonyl)imide (TFSI-Cu)	291300-50-0	-
	Barium(II) Bis(trifluoromethanesulfonyl)imide ((TFSI)2-Ba)	168106-22-7	-
	Strontium bis(trifluoromethylsulfonyl)imide	862121-57-1	-
	1-Methylimidazole Bis(trifluoromethanesulfonyl)imide	353239-08-4	-
	1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide	174899-82-2	-
	1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide	169051-76-7	-
	Magnesium bis(trifluoromethylsulfonyl)imide (TFSI-Mg)	133395-16-1	-
	1-Methyl-3-propylimidazolium Bis(trifluoromethanesulfonyl)imide	216299-72-8	-
	1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide	623580-02-9	-
	1-Methyl-3-n-octylimidazolium Bis(trifluoromethanesulfonyl)imide	178631-04-4	-
	Tris[bis(trifluoromethylsulfonyl)amino] ytterbium ((TFSI)3-Yb)	175438-43-4	-
	Butyltrimethylammonium bis(trifluoromethylsulfonyl)imide	258273-75-5	-
	Cobalt bis(trifluoromethylsulfonyl)imide ((TFSI)2-Co)	207861-61-8	-
	Potassium Bis(trifluoromethanesulfonyl)imide (TFSI-K)	90076-67-8	-
	1-Methyl-1-propylpiperidin-1-ium Bis((trifluoromethyl)sulfonyl)amide	608140-12-1	-
	1-Ethyl-2,3-dimethylimidazolium Bis(trifluoromethanesulfonyl)imide	174899-90-2	-
	1-Methyl-1-propylpyrrolidinium Bis(trifluoromethanesulfonyl)imide	223437-05-6	-
	1,1,1-trifluoro-N-trifluoromethanesulfonyl-N-((N-trifluoromethanesulfonyltrifluoromethanesulfonamido)calcio)methanesulfonamide ((TFSI)2-Ca)	165324-09-4	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
TFSI, its salts	Choline bis(trifluoromethylsulfonyl)imide	827027-25-8	-
	1-Dodecyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide	404001-48-5	-
	1-Ethyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide	223436-99-5	-
	Diethylmethylsulfonium bis(trifluoromethylsulfonyl)imide	792188-85-3	-
	Bis(trifluoromethylsulfonyl)azanide;mercury(2+) ((TFSI)2-Hg)	104715-41-5	-
	Cerium(III) Bis(trifluoromethanesulfonyl)imide (TFSI-Ce)	1046099-39-1	-
	Cadmium bis[bis[(trifluoromethyl)sulfonyl]azanide) (TFSI-Cd)	1263295-73-3	-
	Bis(trifluoromethanesulfonyl)imide Lanthanum(III) Salt (TFSI-La)	168106-26-1	-
	Scandium(III) bis(trifluoromethylsulfonyl)imide (TFSI-Sc)	176726-07-1	-
	Yttrium(III) bis(trifluoromethanesulfonyl)imide (TFSI-Y)	189114-86-1	-
	Vanadium tris(bis(trifluoromethanesulfon)imide) (TFSI-V)	207861-54-9	-
	Iron(II) bis(trifluoromethanesulfonyl)imide (TFSI-Fe)	207861-57-2	-
	Tin(II) bis(trifluoromethylsulfonyl)imide (TFSI-Sn)	460096-08-6	-
	Cesium bis(trifluoromethanesulfonyl)imide (TFSI-Cs)	91742-16-4	-
	Sodium bis(trifluoromethanesulfonyl)imide (TFSI-Na)	91742-21-1	-
TFMS, its salts	Trifluoromethane sulfonic acid (TFMS)	1493-13-6	0.01
	Trifluoromethane sulfonic acid Sodium salt (TFMS-Na)	2926-30-9	-
	Silver trifluoromethanesulfonate (TFMS-Ag)	2923-28-6	-
	Zinc trifluoromethanesulfonate (TFMS-Zn)	54010-75-2	-
	Scandium trifluoromethanesulfonate (TFMS-Sc)	144026-79-9	-
	Trifluoromethanesulfonic anhydride	358-23-6	-
	Lithium trifluoromethanesulfonate (TFMS-Li)	33454-82-9	-
	Copper(II) trifluoromethanesulfonate (TFMS-Cu)	34946-82-2	-
	Barium trifluoromethanesulfonate (TFMS-Ba)	2794-60-7	-
	Cerium(IV) trifluoromethanesulfonate (TFMS-Ce)	107792-63-2	-
	Magnesium trifluoromethanesulfonate (TFMS-Mg)	60871-83-2	-
	Potassium trifluoromethanesulfonate (TFMS-K)	2926-27-4	-
	Nickel(II) Trifluoromethanesulfonate (TFMS-Ni)	60871-84-3	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
TFMS, its salts	Tin(II) trifluoromethanesulfonate (TFMS-Sn)	62086-04-8	-
	Yttrium(III) trifluoromethanesulfonate (TFMS-Y)	52093-30-8	-
	Iron(III) trifluoromethanesulfonate (TFMS-Fe)	63295-48-7	-
	Cerium(III) Trifluoromethanesulfonate (TFMS-Ce)	76089-77-5	-
	Tetrabutylammonium trifluoromethanesulfonate	35895-70-6	-
	Methyltrioctylammonium trifluoromethanesulfonate	121107-18-4	-
	Imidazole trifluoromethanesulfonate	29727-06-8	-
	Trifluoroacetyl Trifluoromethanesulfonate	68602-57-3	-
	Lanthanum(III) trifluoromethanesulfonate (TFMS-La)	52093-26-2	-
	Indium(III) trifluoromethanesulfonate (TFMS-In)	128008-30-0	-
	Samarium(III) trifluoromethanesulfonate (TFMS-Sm)	52093-28-4	-
	Ytterbium(III) trifluoromethanesulfonate (TFMS-Yb)	54761-04-5	-
	Thulium(III) trifluoromethanesulfonate (TFMS-Tm)	141478-68-4	-
	Tetraethylammonium trifluoromethanesulfonate	35895-69-3	-
	1-Fluoro-3,5-dichloropyridinium triflate	107264-06-2	-
	Triethylamine salt of trifluoromethanesulfonic acid	646-58-2	-
	Triphenylphosphonium anhydride triflate	72450-51-2	-
	N,N-Diethyl-6-(diethylamino)-9-(2-(methoxycarbonyl)phenyl)-3H-xanthene-3-ylideneammonium trifluoromethanesulfonate	120611-30-5	-
	Diphenylammonium Trifluoromethanesulfonate	164411-06-7	-
	1-(3-aminoazetidin-1-yl)prop-2-en-1-one, trifluoromethanesulfonic acid	2060047-56-3	-
	Guanidine trifluoromethanesulfonic acid	153756-25-3	-
	Trifluoromethanesulfonic acid--1-ethyl-1H-imidazole (1/1)	501693-46-5	-
	Ruthenium(3+), (OC-6-22)-, salt with trifluoromethanesulfonic acid (1:3)	74468-24-9	-
	O-Pivaloylhydroxylamine trifluoromethanesulfonate	1293990-73-4	-
	Trifluoromethanesulfonyl chloride	421-83-0	-
	(2-Pyridylmethyl)sulfonyl chloride triflate	882564-09-2	-
	Trifluoromethanesulfonyl bromide	15458-53-4	-
	Mercury(II) trifluoromethanesulfonate (TFMS-Hg)	49540-00-3	-
	Dysprosium(III) tris(trifluoromethanesulfonate) (TFMS-Dy)	139177-62-1	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
TFMS, its salts	Manganese bis(trifluoromethanesulfonate) (TFMS-Mn)	55120-76-8	-
	Pentaammine(trifluoromethanesulfonato)osmium(III) triflate	83781-30-0	-
	Lutetium(III) trifluoromethanesulfonate (TFMS-Lu)	126857-69-0	-
	Terbium(III) trifluoromethanesulfonate (TFMS-Tb)	148980-31-8	-
	Neodymium(III) trifluoromethanesulfonate (TFMS-Nd)	34622-08-7	-
	Ammonium trifluoromethanesulfonate (TFMS-NH ₄)	38542-94-8	-
	Holmium(III) trifluoromethanesulfonate (TFMS-Ho)	139177-63-2	-
	Trifluoromethanesulfonate	37181-39-8	-
	Praseodymium(III) trifluoromethanesulfonate (TFMS-Pr)	52093-27-3	-
	Bismuth(III) trifluoromethanesulfonate (TFMS-Bi)	88189-03-1	-
	Europium(III) trifluoromethanesulfonate (TFMS-Eu)	52093-25-1	-
	Erbium(III) trifluoromethanesulfonate (TFMS-Er)	139177-64-3	-
	Gallium(III) trifluoromethanesulfonate (TFMS-Ga)	74974-60-0	-
	N,N,N-Triethyl-2,2,2-trifluoroethan-1-aminium trifluoromethanesulfonate	380230-73-9	-
	Methanesulfonic acid, trifluoro-, calcium salt (TFMS-Ga)	55120-75-7	-
	Thallium(1+) trifluoromethanesulfonate (TFMS-Tl)	73491-36-8	-
	Hafnium(IV) Trifluoromethanesulfonate (TFMS-Hf)	161337-67-3	-
	1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctyl)pyridinium trifluoromethanesulfonate	25061-59-0	-
	Tetrapropylammonium trifluoromethanesulphonate (TFMS- N(C ₃ H ₇) ₄)	35925-48-5	-
	(Heptafluoropropyl)(phenyl)iodanium trifluoromethanesulfonate	77758-79-3	-
	Phenyl(tridecafluorohexyl)iodanium trifluoromethanesulfonate	77758-84-0	-
	(Heptadecafluorooctyl)(phenyl)iodanium trifluoromethanesulfonate	77758-89-5	-
	(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)(phenyl)iodanium trifluoromethanesulfonate	82959-18-0	-
	Triethylmethylammonium triflate	90756-35-7	-
	Pentafluoroanilinium trifluoromethanesulfonate	912823-79-1	-
	Tributylmethylammonium trifluoromethanesulfonate	944557-37-3	-

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Group Name	Substance Name	CAS No.	MDL (mg/kg)
PFPrS, its salts	Perfluoropropate sulfonic acid (PFPrS)	423-41-6	0.01
	Perfluoropropanesulfonic acid sodium salt (PFPrS-Na)	359868-82-9	-
-	1-perfluoroheptyl ethanol (7:2 secondary) (7:2sFTOH)	24015-83-6	0.2
-	4:2 Fluorotelomer iodide (4:2 FTI)	2043-55-2	0.2
PFHpSi, its salts	Perfluoroheptane-1-sulfonic acid (PFHpSi)	769067-51-8	0.01
	1-heptanesulfonic Acid Sodium Salt (PFHpSi-Na)	68555-66-8	-
PFOPA, its salts	Perfluorooctyl phosphonic acid (PFOPA)	40143-78-0	0.01
	(Heptadecafluorooctyl)phosphonic acid--4-methylaniline (1/1)	1263361-03-0	-
-	1H,1H-Perfluorooctylamine	307-29-9	0.2
-	Perfluoroheptanamide	2358-22-7	0.1
-	Perfluorobutyramide	662-50-0	0.2
-	1H,1H,2H,2H-Nonafluorohexyl acrylate (4:2 FTA)	52591-27-2	0.2
-	N-methylperfluoro-1-butanefulfonamide	68298-12-4	0.01
-	N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide	34455-03-3	0.01
BETI, its salts	Bis(pentafluoroethylsulfonyl)imide	152894-10-5	0.02
	Lithium Bis(pentafluoroethanesulfonyl)imide	132843-44-8	-
	Bis(perfluoroethylsulfonyl)imide anion	129318-46-3	-
	Sodium bis((perfluoroethyl)sulfonyl)amide	152894-04-7	-
	Potassium bis((perfluoroethyl)sulfonyl)amide	221203-22-1	-
	1-Ethyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide	216299-76-2	-
-	Perfluoro-2-ethoxypropanoic acid (PEPA)	267239-61-2	0.01
PFHxPA, its salts	Perfluorohexyl phosphonic acid	40143-76-8	0.01
	Perfluorohexylphosphonic Acid 4-Methylbenzamine	1263361-02-9	-
-	Perfluoro-3,6,9-trioxaundecane-1,11-dioic acid	55621-18-6	0.02
-	Perfluorononanedioic acid	23453-64-7	0.02
-	Perfluorooctanedioic acid	678-45-5	0.02
-	Perfluorotripropylamine	338-83-0	10
HFPSI, its salts	1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide (HFPSI)	84246-29-7	0.01
	Potassium 1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide	588668-97-7	-
	Lithium 1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide	189217-62-7	-

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Servatec (Pty) Ltd.

Unit A2 High Park, Saxenburg Road, 7580 Kulis River

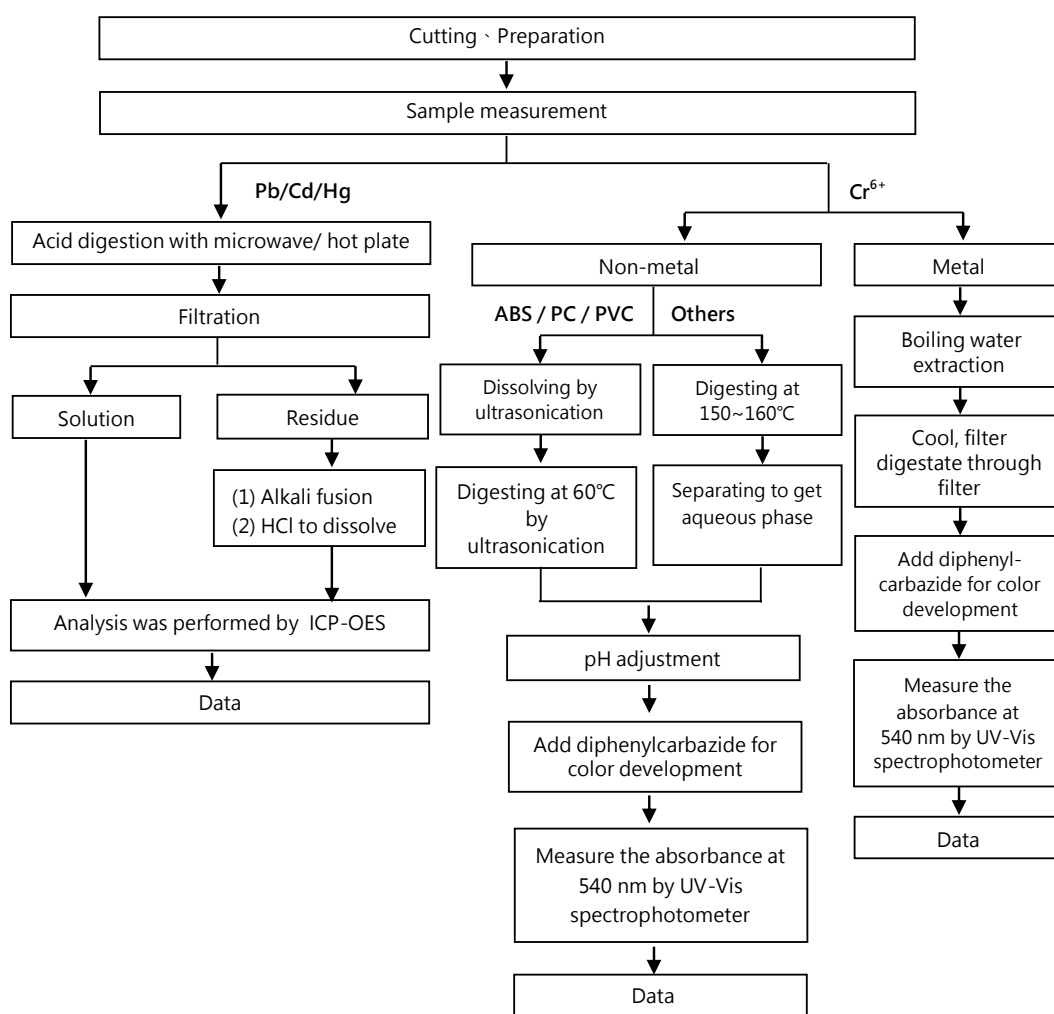
Group Name	Substance Name	CAS No.	MDL (mg/kg)
-	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	10
-	Perfluorohexyl ethylene (PFHxE)	25291-17-2	1
Ethyl perfluoroisobutyl ether and its isomers	Ethyl perfluoroisobutyl ether and its isomers	163702-05-4	10
	Perfluoroisobutyl ethyl ether	163702-06-5	-
-	1,1,1,2,2,3,4,5,5,5,-decafluoro-Pentane	138495-42-8	10
-	Trifluorotoluene	98-08-8	1
-	1-Chloro-4 (Trifluoromethyl)Benzene	98-56-6	1
-	1H,1H,2H,2H-Perfluorodecylmethyldichlorosilane	3102-79-2	0.1
-	Bisphenol AF (HFBPA)	1478-61-1	0.01

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Analytical flow chart of heavy metal

These samples were dissolved totally by pre-conditioning method according to below flow chart.

(Cr^{6+} test method excluded)



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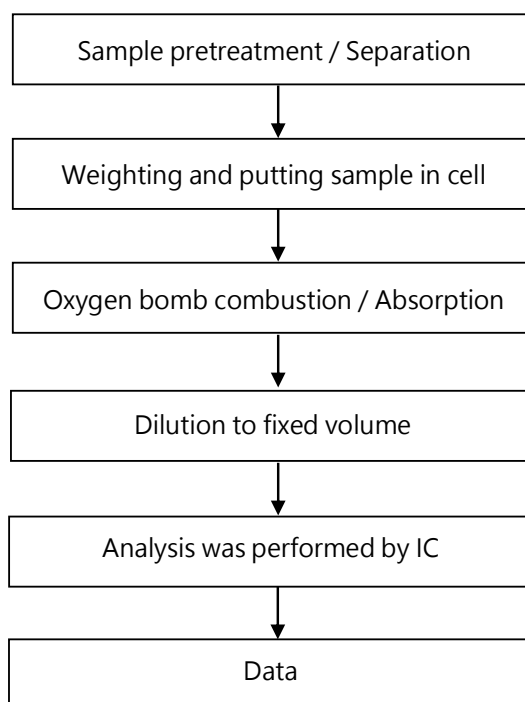
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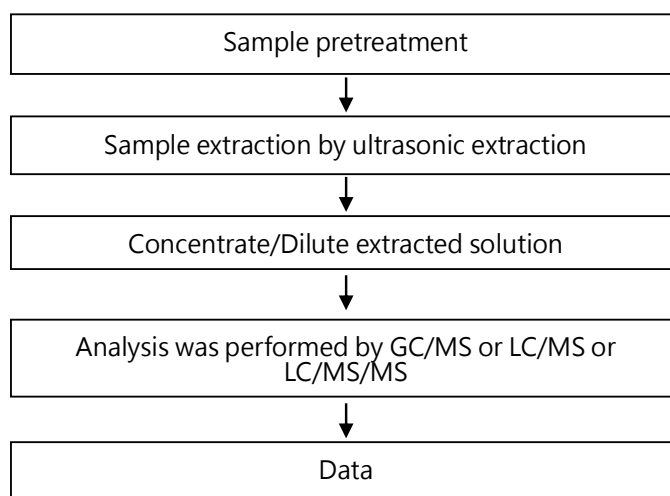
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Analytical flow chart - Halogen



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Analytical flow chart – PFAS (including PFOA/PFOS/its related compound, etc.)



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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of Report **

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