

MOORIM P&P CO., LTD.

3-36 Ubonggangyang-ro, Onsan-eup Ulju-gun, Ulsan Korea

Page 1 of 10

Issued Date: 2024. 01. 24



The following sample(s) was/were submitted and identified by/on behalf of the client as:-

· AYHA24-00532 SGS File No.

: Woodfree printing paper **Product Name**

 N/A Item No./Part No.

: 2024. 01. 17 **Received Date**

2024. 01. 24 : 2024. 01. 17 **Test Period**

Test Results : For further details, please refer to following page(s)

Tonny Park

Technical Manager / SGS Korea Co., Ltd

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SGS File No. : AYHA24-00532.001

Product Name : Woodfree printing paper

Item No./Part No. : N/A
Materials : N/A

No.	Test Items	CAS No.	Unit	Test Method	MDL	Results
1	Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
2	N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
3	N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
4	2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
5	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	24448-09-7	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
6	Perfluorooctane Sulfonamide (PFOSA)	754-91-6	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
PF	OA, its salts					
No.	Test Items	CAS No.	Unit	Test Method	MDL	Results
7	Perfluorootanoic acid (PFOA)	335-67-1	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
PF	OA-related compounds			,		
No.	Test Items	CAS No.	Unit	Test Method	MDL	Results
8	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
9	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	μg/kg	In house, GC/MS	100	N.D.
10	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	μg/kg	In house, GC/MS	100	N.D.
11	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	μg/kg	In house, GC/MS	100	N.D.
12	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	μg/kg	In house, GC/MS	100	N.D.
13	Perfluoro-1-iodooctane (PFOI)	507-63-1	μg/kg	In house, GC/MS	100	N.D.
14	2H,2H Perfluorodecane Acid (H2PFDA/8:2 FTCA)	27854-31-5	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
15	1H,1H,2H,2H-Perfluorodecan-1-ol (8:2 FTOH)	678-39-7	μg/kg	In house, GC/MS	100	N.D.
<u>C9</u>	-C14 PFCA, their salts					
No.	Test Items	CAS No.	Unit	Test Method	MDL	Results
16	Perfluorononane Acid (PFNA)	375-95-1	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
17	Perfluorodecane Acid (PFDA)	335-76-2	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
				.2010, NFLC/M3/M3	١	<u> </u>

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:2010, HPLC/MS/MS

Issued Date: 2024. 01. 24

Page 2 of 10



SGS File No. : AYHA24-00532.001

Product Name : Woodfree printing paper

Item No./Part No. : N/A
Materials : N/A

No.	Test Items	CAS No.	Unit	Test Method	MDL	Results
19	Perfluorododecanoic Acid (PFDoDA)	307-55-1	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
20	Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
21	Perfluorotetradecanoic Acid (PFTDA)	376-06-7	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
22	Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
<u>C9</u>	-C14 PFCA-related substances					
No.	Test Items	CAS No.	Unit	Test Method	MDL	Results
23	1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC2H5)3)	101947-16-4	μg/kg	In house, GC/MS	100	N.D.
24	Perfluorodecane sulfonic Acid (PFDS)	335-77-3	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
25	1H,1H,2H,2H-Perfluoro-1-dodecaol (10:2 FTOH)	865-86-1	μg/kg	In house, GC/MS	100	N.D.
26	1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	μg/kg	In house, GC/MS	100	N.D.
27	1-lodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI)	2043-53-0	μg/kg	In house, GC/MS	100	N.D.
28	2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnDA/8:3 FTCA)	34598-33-9	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
29	1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	μg/kg	In house, GC/MS	100	N.D.
30	1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
31	1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	μg/kg	In house, GC/MS	100	N.D.
32	1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	μg/kg	In house, GC/MS	100	N.D.
33	1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	μg/kg	In house, GC/MS	100	N.D.
<u>PF</u>	HxS, its salts					
No.	Test Items	CAS No.	Unit	Test Method	MDL	Results
34	Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
PF	HxS-related compounds					
No.	Test Items	CAS No.	Unit	Test Method	MDL	Results
35	Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.
36	N-Methylperfluoro-1-hexanesulfonamide (N-MeFHxSA)	68259-15-4	μg/kg	with reference to CEN/TS 15968	10	N.D.

Other PFAS

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:2010, HPLC/MS/MS

Issued Date: 2024. 01. 24

Page 3 of 10



SGS File No. : AYHA24-00532.001

Product Name : Woodfree printing paper

Item No./Part No. : N/A
Materials : N/A

Other PFAS CAS No. Unit MDL Results No. **Test Items Test Method** 37 Perfluorobutane Acid (PFBA) 375-22-4 µg/kg 10 N.D. with reference to CEN/TS 15968 :2010, HPLC/MS/MS Perfluorobutanesulfonic acid (PFBS) 10 N.D. 38 375-73-5 µg/kg with reference to CEN/TS 15968 :2010. HPLC/MS/MS 39 Perfluoropentane Acid (PFPeA) 2706-90-3 μg/kg with reference to CEN/TS 15968 NΩ :2010, HPLC/MS/MS Perfluorohexane Acid (PFHxA) 40 307-24-4 µg/kg with reference to CEN/TS 15968 10 N.D. :2010, HPLC/MS/MS 41 Perfluoroheptane Acid (PFHpA) 10 N.D. 375-85-9 µg/kg with reference to CEN/TS 15968 :2010, HPLC/MS/MS 42 Perfluoroheptanesulfonic Acid (PFHpS) 375-92-8 10 N.D. µg/kg with reference to CEN/TS 15968 :2010, HPLC/MS/MS 7H-Dodecanefluoroheptane Acid (HPFHpA) 43 1546-95-8 µg/kg with reference to CEN/TS 15968 10 ΝD :2010, HPLC/MS/MS Perfluorooctanesulphonic acid 1H,1H,2H,2H (6:2 FTS) 44 27619-97-2 µg/kg 10 N.D. with reference to CEN/TS 15968 :2010, HPLC/MS/MS 1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA) 45 17527-29-6 μg/kg In house, GC/MS 100 N.D. 1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH) 100 46 2043-47-2 µg/kg In house, GC/MS N D 1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH) 100 47 N.D. 647-42-7 µg/kg In house, GC/MS 48 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its 13252-13-6 with reference to CEN/TS 15968 10 N.D. µg/kg salts and its acyl halides (HFPO-DA) :2010. HPLC/MS/MS 1H, 1H, 2H, 2H-Perfluorohexanesulfonic Acid (4:2 FTS) 757124-72-4 µg/kg with reference to CEN/TS 15968 N D :2010, HPLC/MS/MS Perfluorooctane sulfonamidoacetic Acid (FOSAA) 50 10 N.D. 2806-24-8 µg/kg with reference to CEN/TS 15968 :2010, HPLC/MS/MS 51 N-Methylperfluoro-1-octanesulfonamidoacetic Acid 10 N.D. 2355-31-9 µg/kg with reference to CEN/TS 15968 (N-MeFOSAA) :2010. HPLC/MS/MS 52 N-Ethylperfluorooctane sulfonamidoacetic Acidl 2991-50-6 10 N.D. µg/kg with reference to CEN/TS 15968 (N-EtFOSAA) :2010, HPLC/MS/MS Perfluoropentane sulfonic acid (PFPeS) 53 2706-91-4 µg/kg with reference to CEN/TS 15968 10 N.D. :2010, HPLC/MS/MS Perfluorononane sulfonic acid (PFNS) 68259-12-1 10 N.D. ua/ka with reference to CFN/TS 15968 :2010, HPLC/MS/MS 55 Perfluoroundecane sulfonic acid (PFUnDS) 749786-16-1 µg/kg with reference to CEN/TS 15968 10 ND :2010, HPLC/MS/MS 56 Perfluorododecane sulfonic acid (PFDoDS) 10 N.D. 79780-39-5 µg/kg with reference to CEN/TS 15968 :2010. HPLC/MS/MS

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Issued Date: 2024. 01. 24

Page 4 of 10



SGS File No. : AYHA24-00532.001

Product Name : Woodfree printing paper

Item No./Part No. : N/A
Materials : N/A

<u>Ot</u>	Other PFAS							
No.	Test Items	CAS No.	Unit	Test Method	MDL	Results		
57	Perfluorotridecane sulfonic acid (PFTrDS)	791563-89-8	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
58	2-Perfluorohexyl ethanoic acid (6:2 FTCA)	53826-12-3	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
59	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
60	Hexadecanoic acid, hentriacontafluoro-(PFHxDA)	67905-19-5	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
61	Octadecanoic acid, pentatriacontafluoro-(PFODA)	16517-11-6	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
62	bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecy I) hydrogen phosphate (8:2 diPAP)	678-41-1	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
63	1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA)	2144-53-8	μg/kg	In house, GC/MS	100	N.D.		
64	Perfluoropentadecanoic Acid(PFPeDA)	141074-63-7	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
65	1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA)	1799-84-4	μg/kg	In house, GC/MS	100	N.D.		
66	Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
67	Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
68	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
69	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
70	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
71	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
72	3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
73	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		
74	3-Perfluoroheptyl propanoic acid (7:3 FTCA)	812-70-4	μg/kg	with reference to CEN/TS 15968 :2010, HPLC/MS/MS	10	N.D.		

NOTE:

- (1) N.D. = Not Detected. (<MDL)
- (2) mg/kg = ppm, ug/kg = ppb, mg/L = ppm
- (3) MDL = Method Detection Limit
- (4) The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report is not related to Korea Laboratory Accreditation Scheme.

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Issued Date: 2024. 01. 24

Page 5 of 10

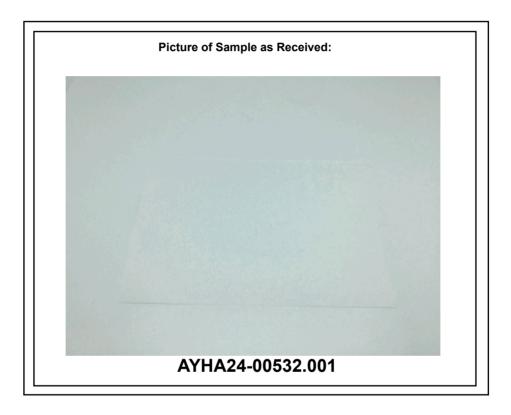


SGS File No. : AYHA24-00532.001

Product Name : Woodfree printing paper

Item No./Part No. : N/A

Materials : N/A



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Issued Date: 2024. 01. 24

Page 6 of 10



Appendix 1 - List of PFAS its salts & derivatives

No.	Substances	CAS No.	No.	Substances	CAS No.					
PFOA, its salts & derivatives										
1	Silver perfluorooctanoate (PFOA-Ag)	335-93-3	2	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0					
3	Sodium perfluorooctanoate (PFOA-Na)	335-95-5	4	Ammonium perfluorooctanoate (APFO)	3825-26-1					
5	Potassium perfluorooctanoate (PFOA-K)	2395-00-8								
	8:2 FTCA, its salts									
6	Tetrabutylphosphonium 2H,2H- Perfluorodecanoate (8:2 FTCA-P(C ₄ H ₉) ₄)	882489-14-7								
		PFOS, its salts	& de	rivatives						
7	Perfluorooctane sulfonate diethanolamine salt $(PFOS-NH_2(C_2H_4OH)_2)$	70225-14-8	8	Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N($\mathrm{C_2H_5}$) $_4$)	56773-42-3					
9	Potassium perfluorooctane sulfonate (PFOS-K)	2795-39-3	10	Didecyl dimethyl ammonium perfluorooctane sulfonate (PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂)	251099-16-8					
11	Sodium perfluorooctane sulfonate (PFOS-Na)	4021-47-0	12	Magnesium bis(heptadecafluoro octanesulphonate) (PFOS-Mg)	91036-71-4					
13	Lithium perfluorooctane sulfonate (PFOS-Li)	29457-72-5	14	Perfluoro-1-octanesulfonyl fluoride (PFOS-F)	307-35-7					
15	Ammonium perfluorooctane sulfonate (PFOS-NH,)	29081-56-9								
		PFNA, i	ts sal	ts						
16	Sodium heptadecafluorononanoate (PFNA-Na)	21049-39-8	17	Potassium perfluorononanoate (PFNA-K)	21049-38-7					
18	Perfluorononanoate ammounium salt (PFNA-NH)	4149-60-4	19	Lithium perfluorononanoate(PFNA-Li)	60871-92-3					
		PFDA, i	ts sal	ts						
20	Perfluorodecanoate ammonium salt (PFDA-NH)	3108-42-7	21	Potassium perfluorodecanoate (PFDA-K)	51604-85-4					
22	Sodium nonadecafluorodecanoate (PFDA-Na)	3830-45-3								
		PFUnDA,	its s	alts						
23	Sodium perfluoroundecanoate (PFUnDA-Na)	60871-96-7	24	Ammonium perfluoroundecanoate (PFUnDA-NH)	4234-23-5					
		PFDoDA,	its s	alts						
25	Ammonium tricosafluorododecanoate (PFDoDA-NH ₄)	3793-74-6								
		PFDS, i	ts sal	ts						
26	Potassium perfluorodecanesulfonate (PFDS-K)	2806-16-8	27	$ \begin{array}{c} {\sf Perfluorodecanesulfonic\ acid\ ammonium\ salt} \\ ({\sf PFDS-NH_4}) \end{array} $	67906-42-7					
28	Sodium perfluorodecanesulfonate (PFDS-Na)	2806-15-7								

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Issued Date: 2024. 01. 24

Page 7 of 10



		8:3 FTCA	, its s	alts				
29	Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)	83310-58-1						
PFHxS, its salts & derivatives								
30	Bis(4-tert-butylphenyl)iodanium tridecafluorohexane-1-sulfonate	213740-81-9	31	Bis(4-methylphenyl)(phenyl)sulfanium tridecafluorohexane-1-sulfonate	341548-85-4			
32	1-Hexanesulfonic acid, 1,1,2,2,3,3, 4,4,5,5,6,6,6-tridecafluoro-, sodium salt (PFHxS-Na)	82382-12-5	33	Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt w ith perfluorohexanesulfonic acid (1:2)	421555-73-9			
34	Potassium perfluorohexane-1-sulphonate (PFHxS-K)	3871-99-6	35	Perfluorohexanesulfonic acid, Gallium(3+) salt (3:1) (PFHxS-Ga)	341035-71-0			
36	Perfluorohexane Sulfonic acid, lithium salt (PFHxS-Li)	55120-77-9						
37	Perfluorohexane Sulfonic acid, ammonium salt (PFHxS-NH ₄)	68259-08-5	38	Perfluorohexanesulfonic acid, Scandium(3+) salt (3:1) (PFHxS-Sc)	350836-93-0			
39	Benzyltriphenylphosphanium tridecafluorohexane-1-sulfonate (PFHxS-BTPP)	1000597-52-3	40	Perfluorohexanesulfonic acid, Neodymium(3+) salt (3:1) (PFHxS-Nd)	41184-65-0			
41	N,N,N-Tributylbutan-1-aminium tridecafluorohexane-1-sulfonate	108427-54-9	42	Perfluorohexanesulfonic acid, Yttrium(3+) salt (3:1) (PFHxS-Y)	41242-12-0			
43	Tetraethylammonium perfluorohexane sulfonate	108427-55-0	44	Cesium perfluorohexanesulfonate (PFHxS-Cs)	92011-17-1			
45	Tridecafluorohexane-1-sulfonic acid-pyrrolidine	1187817-57-7	46	Perfluorohexanesulfonic acid, Zinc salt (PFHxS-Zn)	70136-72-0			
47	4-{[4-(Diethylamino)phenyl][4- (ethylamino)naphthalen-1-yl]methylidene}-N,N- diethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate	1310480-24-0	48	lodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, perfluorohexanesulfonate (1:1)	421555-74-0			
49	4-{[4-(Dimethylamino)phenyl][4- (ethylamino)naphthalen-1-yl]methylidene}-N,N- dimethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate	1310480-27-3	50	Tris(4-tert-butylphenyl)sulfanium tridecafluorohexane-1-sulfonate	425670-70-8			
51	4-{[4-(Dimethylamino)phenyl][4- (phenylamino)naphthalen-1-yl]methylidene}-N,N- dimethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate	1310480-28-4	52	Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-16-0			
53	Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	1329995-45-0	54	Triethylammonium perfluorohexane sulfonate	72033-41-1			
55	Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	1329995-69-8	56	lodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with perfluorohexanesulfonic acid (1:1)	866621-50-3			
57	Triphenylsulfanium tridecafluorohexane-1-sulfonate (TPS-PFHxS)	144116-10-9	58	(4-Methylphenyl)diphenylsulfanium tridecafluorohexane-1-sulfonate	910606-39-2			

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Issued Date: 2024. 01. 24

Page 8 of 10



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59	1-(Carboxymethyl)-4-(2-{4-[4-(2,2-diphenylethenyl)phenyl]-1H,2H,3H,3aH,4H,8bH-cyclopenta[b]indol-7-yl}ethenyl)quinolin-1-ium tridecafluorohexane-1-sulfonate	1462414-59-0	60	{4-[(2-Methylprop-2- enoyl)oxy]phenyl}diphenylsulfanium tridecafluorohexane-1-sulfonate	911027-68-4			
61	Diphenyliodanium tridecafluorohexane-1- sulfonate	153443-35-7	62	Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentad ecinium, 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			
63	Tetramethylammonium perfluorohexane sulfonate (PFHxS-TMA)	189274-31-5	64	Perfluorohexylsulfonyl fluoride (PFHxS-F)	423-50-7			
65	Tert-butylazanium;1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	202189-84-2	66	Perfluorohexylsulfonyl chloride (PFHxS-CI)	55591-23-6			
		PFHxA, its salt	s & d	erivatives				
67	Ammonium perfluorohexanoate (APFHx)	21615-47-4	68	Potassium perfluorohexanoate (PFHxA-K)	3109-94-2			
69	Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4	70	Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4			
	PFBA, its salts							
71	Sodium perfluorobutanoate (PFBA-Na)	2218-54-4	72	Ammonium perfluorobutanoate (PFBA-NH)	10495-86-0			
73	Potassium heptafluorobutanoate (PFBA-K)	2966-54-3	74	Silver perfluorobutanoate (PFBA-Ag)	3794-64-7			
		PFBS, its salts	& de	rivatives				
75	Tetrabutyl-phosphonium perfluorobutanesulfonate	220689-12-3	76	Potassium perfluorobutanesulfonate (PFBS-K)	29420-49-3			
77	Perfluorobutane sulfonic acid hydrate (PFBS-HO)	59933-66-3	78	N,N,N,-Triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	25628-08-4			
79	Sodium perfluorobutanesulfonate (PFBS-Na)	60453-92-1	80	N-Morpholinium perfluorobutanesulfonate	503155-89-3			
81	Lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5	82	Bis(4-tert-butylphenyl)iodonium perfluoro-1- butanesulfonate	194999-85-4			
83	Ammonium perfluorobutanesulfonate (PFBS-NH)	68259-10-9	84	1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-18-2			
85	Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3	86	Perfluorobutanesulfonyl fluoride (PFBS-F)	375-72-4			
87	Triphenylsulfonium perfluorobutanesulfonate (TPS-PFBS)	144317-44-2	88	Perfluorobutanesulphonyl chloride (PFBS-CI)	2991-84-6			
		PFPeA,	its sa	alts				
89	Potasium perfluoropentanoate (PFPeA-K)	336-23-2	90	Ammonium perfluoropentanoate (PFPeA-NH)	68259-11-0			
91	Sodium perfluoropentanoate (PFPeA-Na)	2706-89-0						
		PFHpA,	its sa	lts				
92	Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5	93	Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5			
94	Ammonium perfluoroheptanoate (PFHpA-N닊)	6130-43-4						

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Issued Date: 2024. 01. 24

Page 9 of 10



	DELLO Marcollo							
	PFHpS, its salts							
95	Sodium perfluoroheptanesulfonate (PFHpS-Na)	21934-50-9	96	Potassium perfluoroheptanesulfonate (PFHpS-K)	60270-55-5			
97	Ammonium perfluoroheptanesulfonate (PFHpS-NH ₄)	68259-07-4						
	HFPO-DA, its salts & derivatives							
98	Potassium 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionate (HFPO-DA-K)	67118-55-2	99	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionyl fluoride (HFPO-DA-F)	2062-98-8			
100	Propanoic acid, 2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)-, ammonium salt (HFPO-DA-NH ₄)	62037-80-3						
	PFPeS, its salts							
101	Potassium perfluoropentane-1-sulphonate (PFPeS-K)	3872-25-1	102	Ammonium perfluoropentanesulfonate (PFPeS-NH ₄)	68259-09-6			
103	Sodium perfluoropentanesulfonate (PFPeS-Na)	630402-22-1						
		PFNS, in	ts sal	ts				
104	Sodium perfluorononanesulfonate (PFNS-Na)	98789-57-2	105	Potassium perfluorononanesulfonate (PFNS-K)	29359-39-5			
106	Ammonium nonadecafluorononanesulphonate (PFNS-NH ₄)	17202-41-4						
		PFDoDS,	its sa	alts				
107	Sodium perfluorododecanesulfonate (PFDoDS-Na)	1260224-54-1						
		PFTrDS,	its sa	ılts				
108	Sodium perfluorotridecanesulfonate (PFTrDS-Na)	174675-49-1						
		8:2 diPAP	, its s	alts				
109	Sodium bis(1H,1H,2H,2H- perfluorodecyl)phosphate (8:2 diPAP-Na)	114519-85-6						

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Issued Date: 2024. 01. 24

Page 10 of 10