

環境部公告

中華民國113年4月24日

環部化字第1138107286號

主 旨：修正「列管毒性化學物質及其運作管理事項」公告事項第一項及第二項附表二、第三項附表三、第四項附表四，並自即日生效。

依 據：毒性及關注化學物質管理法第八條、第十一條及第四十四條第四項。

公告事項：第一項修正為：公告毒性化學物質及其管制濃度與分級運作量如附表一及附件一。本公告所稱毒性化學物質指附表一所列化學物質重量百分比含量達管制濃度以上之物質。

部 長 薛富盛

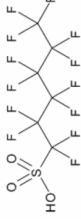

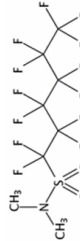



附表一 公告毒性化學物質及其管制濃度與分級運作量一覽表


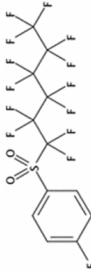
列管編號 註1 Listed No.	序號 註1 Series No.	中文名稱 註2 Chinese Name	英文名稱 註2 English Name	分子式 註2 Chemical Formula	化學文摘社登記號碼 註2 CAS No.	管制濃度 註3 control concentration standard %	分級運作量 註4 graded handling quantity (公斤)	毒性分類 註5 Toxicity Classify	公告日期
169	01	全氟辛烷磺酸	Perfluorooctane sulfonic acid	C ₈ HF ₁₇ O ₃ S	1763-23-1	全濃度註8	50	1,2	99.12.24 107.06.28 109.09.08 113.04.24
169	02	全氟辛烷磺酸鋰鹽	Lithium perfluorooctane sulfonate	C ₈ HF ₁₇ O ₃ S Li	29457-72-5	全濃度註8	50	1,2	99.12.24 109.09.08 113.04.24
169	03	全氟辛烷磺醯氟	Perfluorooctane sulfonyl fluoride	C ₈ F ₁₈ O ₂ S	307-35-7	全濃度註8	50	1	99.12.24 109.09.08 113.04.24
169	04	全氟辛酸	Perfluorooctanoic acid (PFOA)	C ₈ HF ₁₅ O ₂	335-67-1	全濃度註8	50	1	107.06.28 109.09.08 113.04.24
169	05	全氟己烷磺酸及其鹽類與相關化合物(詳附件一所列化學物質)	Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds	--	附件一	全濃度註8	50	1	113.04.24




註：1.本表中毒理特性類似者，歸類為同一列管編號；一列管編號下之不同序號物質，計為不同種之毒性化學物質。
2.本表以化學文摘社登記號碼、中文名稱、英文名稱及分子式綜合判斷。
3.管制濃度：

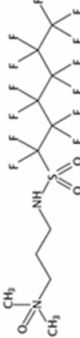
- 例1：「苯」表示含苯70%以上（含70%）者。
- 例2：「氰化鈉」表示含氰離子達1%以上（含1%）者。
- 例3：「多氯聯苯」表示含多氯聯苯0.1%（1,000ppm）以上（含0.1%）者。
- 4.分級運作量：鍍槽之鍍液、金屬表面處理槽之表面處理液及乾洗機器內循環使用中之四氯乙烯，不計入分級運作量。
- 例1：含六價鉻達1%以上（含1%）三氧化鉻運作總量（不含鍍槽之鍍液）低於500公斤（不含500公斤）者，運作量低於分級運作量。
- 例2：含氰離子達1%以上（含1%）氰化鈉運作總量（不含鍍槽之鍍液）低於500公斤（不含500公斤）者，運作量低於分級運作量。
- 5.毒性分類：「1」表第一類毒性化學物質，「2」表第二類毒性化學物質，「3」表第三類毒性化學物質，「4」表第四類毒性化學物質。
- 6.石棉管制濃度為纖維狀、細絲狀或絨毛狀石棉含量達1%以上（含1%）者。
- 7.在攝氏25度以下恆溫製程處理中之二異氰酸甲苯（其管制濃度計算以2,4-二異氰酸甲苯為主），其5公噸以下數量均計為使用量。
- 8.物質或混合物所含全氟及多氟烷基物質，其濃度符合下列規定，且非屬故意添加者，不受本法管制：
- (1)全氟辛烷磺酸、全氟辛烷磺醯氟及全氟辛烷磺酸鋰鹽總濃度未超過10 mg/kg。
 - (2)全氟辛酸未超過0.025 mg/kg。
 - (3)全氟己烷磺酸及其鹽類個別未超過0.025 mg/kg。
 - (4)全氟己烷磺酸相關化合物總濃度未超過1 mg/kg。

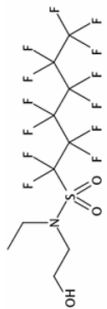

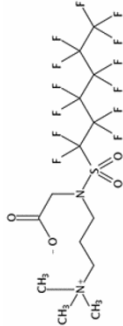
附件一 全氟己烷磺酸及其鹽類與相關化合物

項次 Item	英文名稱 English Name	化學文摘社登記號碼 CAS No.	結構式 structural formula
1	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-; Perfluorohexanesulfonic acid (PFHxS)	355-46-4	
2	1-Hexanesulfonyl bromide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	111393-39-6	
3	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-dimethyl-	1270179-82-2	
4	1-Hexanesulfonamide, N,N-diethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	1270179-93-5	
5	2-Propenoic acid, 2-methyl-, polymers with Bu methacrylate, lauryl methacrylate and 2-[methyl]([perfluoro-C4-8-alkyl])sulfonyl]amino]ethyl methacrylate	127133-66-8	
6	Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-(2-oxiranylmethyl)	129813-71-4	
7	β-Alanine, N-[3-(dimethylamino)propyl]-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	141607-32-1	
8	1-Hexanesulfonamide, N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-	1427176-17-7	
9	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-bis(2-methoxyethyl)-	1427176-20-2	

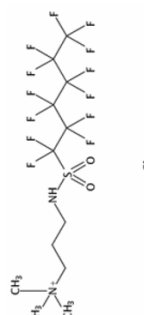

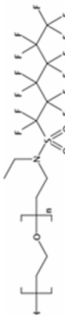

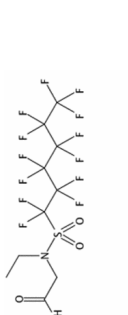
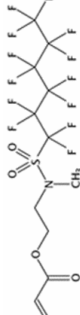

10	Benzenamine, 4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	147029-28-5	
11	Fatty acids, C18-unsatd., trimers, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl esters	148240-80-6	
12	Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1,6-diisocyanatohexane homopolymer and ethylene glycol	148684-79-1	
13	Benzene, 1-fluoro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	149652-30-2	
14	Benzoic acid, 2,3,4,5-tetrachloro-6-[[[(3-hydroxyphenyl)amino]carbonyl]-, perfluoro-C6-8-alkanesulfonates (esters), monopotassium salts	160305-97-5	
15	2-Propenoic acid, butyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate	160336-17-4	
16	Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate	160901-25-7	
17	Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol, Me Et ketone oxime and polymethylenepolyphenylene isocyanate	160901-26-8	
18	Fatty acids, C18-unsatd., trimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters	161074-58-4	
19	Sulfonamides, C4-8-alkane, perfluoro, N-(3-chloro-2-hydroxypropyl)-N-methyl	1645842-67-6	
20	Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene and N-butyl-1-butanamine	1645850-46-9	
21	Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene	1645852-09-0	
22	Siloxanes and Silicones, di-Me, Bu group- and 3-[[[2-methyl-1-oxo-2-propen-1-yl]oxy]propyl] group-terminated, telomers with acrylic acid, di-Me, Me 3-mercaptopropyl siloxanes, Me acrylate, Me methacrylate and 2-[methyl[(perfluoro-c4-8-alkyl)sulfonyl]amino]ethyl acrylate, 2,2'-(1,2-diazenediyl)bis[2-methylpropanenitrile]-initiated	1645852-10-3	


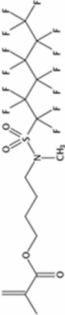

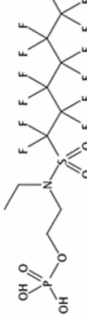

23	2-Propenoic acid, polymers with lauryl acrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate	1648534-82-0	
24	Poly(oxy-1,2-ethanediyl), α -[2-(methylamino)ethyl]- ω -hydroxy-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., C12-16-alkyl ethers	1648539-69-8	
25	2-Propenoic acid, 2-(methylamino)ethyl ester, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., polymers with propene	1648540-20-8	
26	Benzene, 1-nitro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	171561-95-8	
27	1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)	178094-71-8	
28	Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), polymers with 1,1'-methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked	178535-22-3	
29	Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], potassium salts	179005-06-2	
30	Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl]	179005-07-3	
31	2-Propenoic acid, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	1893-52-3	
32	Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid	192662-29-6	
33	Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with poly(Bu acrylate) and polyethylene-polypropylene glycol mono-Bu ether	222716-67-8	
34	Pyridinium, 1-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, inner salt	254889-10-6	

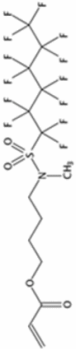
35	1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-	30295-56-8	
36	Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxyoctadecanoic acid and 2,4-TDI, ammonium salts	306973-47-7	
37	Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl]	306974-19-6	
38	Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group]-terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and stearyl methacrylate	306974-28-7	
39	Sulfonic acids, C6-8-alkane, perfluoro, compds. with polyethylene-polypropylene glycol bis(2-aminopropyl) ether	306974-45-8	
40	Fatty acids, C18-unsatd., dimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters	306974-63-0	
41	2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride	306975-62-2	
42	Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-, polymer with 1,6-diisocyanatohexane, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides-blocked	306975-84-8	
43	2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with N-(hydroxymethyl)-2-propenamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate, stearyl methacrylate and vinylidene chloride	306975-85-9	
44	1-Hexadecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-propen-1-yl)oxy]ethyl]-, bromide (1:1), polymers with Bu acrylate, Bu methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate	306976-25-0	
45	2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2,4-diisocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2-propenoic acid, N-ethyl-N-(hydroxyethyl)perfluoro-C4-8-alkanesulfonamides-blocked	306976-55-6	
46	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, telomer with 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate and 1-	306977-10-6	

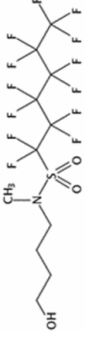

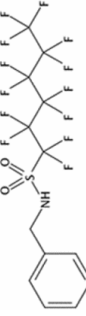
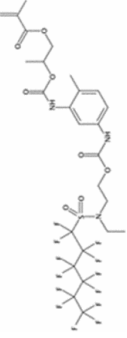
	octanethiol, N-oxides			
47	2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymers with acrylic acid, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compds. with 2,2'-(methylimino)bis[ethanol]	306977-58-2		
48	2-Propenoic acid, butyl ester, polymers with acrylamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride	306978-04-1		
49	Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides- and stearyl alc.-blocked	306978-65-4		
50	Poly(oxy-1,2-ethanediyl), α -[2-(methylamino)ethyl]- ω -[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs.	306979-40-8		
51	Sulfonamides, C4-8-alkane, perfluoro, N, N'-[1,6-hexanediy]bis[(2-oxo-3,5-oxazolidinediy)methylene]]bis[N-methyl]-	306980-27-8		
52	1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-	34455-03-3		
53	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)	3871-99-6		
54	1-Propanaminium, 3-[(carboxymethyl)][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N-trimethyl-, inner salt	38850-52-1		

55	1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-3-[(3-sulfo)propyl] [(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, inner salt	38850-58-7	
56	1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-	38850-60-1	
57	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	41997-13-1	
58	1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	423-50-7	
59	2-Propenoic acid, 2-methyl-, 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl ester, polymers with polyethylene glycol acrylate Me ether	504396-13-8	
60	1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	50598-28-2	
61	Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, reaction products with Me Et ketone oxime, 2-mercaptoethanol, 2-[methyl[(perfluoro-C3-8-alkyl)sulfonyl]amino]ethyl acrylate, polymethylene polyphenylene isocyanate and polypropylene glycol	507225-08-3	

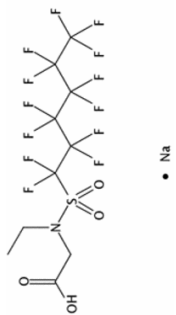
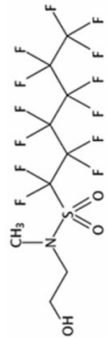
62	1-Propanaminium,N,N,N-trimethyl-3-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, chloride (1:1)	52166-82-2	
63	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)	55120-77-9	
64	1-Hexanesulfonyl chloride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	55591-23-6	
65	Poly(oxy-1,2-ethanediyl),α-[2-[ethyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]-ω-hydroxy-	56372-23-7	
66	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-2-propen-1-yl-	67584-48-9	
67	Glycine,N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, potassium salt (1:1)	67584-53-6	
68	2-Propenoic acid, 2-[methyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67584-57-0	
69	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	



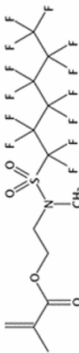
70	2-Propenoic acid, 2-methyl-, 2-[ethyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester	67906-70-1	
71	2-Propenoic acid, 2-methyl-, 2-[ethyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid	67906-71-2	
72	2-Propenoic acid, 2-methyl-, 4-[methyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl ester	67939-61-1	
73	1-Hexanesulfonamide, N,N'-[phosphinicobis(oxy-2,1-ethanediy)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-	67939-92-8	
74	1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-N-[2-(phosphonoxy)ethyl]-	67969-65-7	
75	Hexane, 1-(ethenylsulfonyl)-1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-	680187-85-3	
76	Hexane, 1-(ethenylsulfonyl)-1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-	680187-86-4	
77	Carbamic acid, N,N'-(4-methyl-1,3-phenylene)bis-, bis[2-[ethyl]((perfluoro-C4-8-alkyl)sulfonyl)amino]ethyl ester	68081-83-4	
78	2-Propenoic acid, 2-methyl-, 2-[ethyl][(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl][(1,1,2,2,3,3,4,4,4-nonafuorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl][(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl][(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-	68227-87-2	

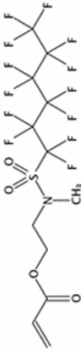
	methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-methylloxirane polymer with oxirane di-2-propenoate, 2-methylloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol		
79	2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl][methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, α -(2-methyl-1-oxo-2-propen-1-yl)- ω -hydroxypoly(oxy-1,2-ethanediyl), α -(2-methyl-1-oxo-2-propen-1-yl)- ω -[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and α -(1-oxo-2-propen-1-yl)- ω -methoxypoly(oxy-1,2-ethanediyl)	68227-94-1	
80	2-Propenoic acid, butyl ester, telomer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl][methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, α -(2-methyl-1-oxo-2-propen-1-yl)- ω -hydroxypoly(oxy-1,4-butanediyl), α -(2-methyl-1-oxo-2-propen-1-yl)- ω -[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	68227-96-3	
81	2-Propenoic acid, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]butyl ester	68227-98-5	
82	2-Propenoic acid, ethyl ester, polymer with 4-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl][methylamino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-propenoate, α -	68228-00-2	

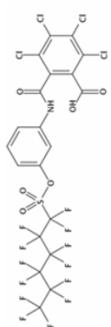
	(2-methyl-1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,4-butanediyl), α-(2-methyl-1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,2-ethanediyl), α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]butyl 2-propenoate and 4-[methyl[(1,1,2,2,3,3,4,4,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-propenoate		
83	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(4-hydroxybutyl)-N-methyl-	68239-74-7	
84	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl- (1:1)	68259-08-5	
85	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-	68259-15-4	
86	Poly[oxy(methyl-1,2-ethanediyl)], α-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]-ω-hydroxy-	68259-38-1	
87	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(phenylmethyl)-	68298-09-9	
88	2-Propenoic acid, 2-methyl-, 2-[[[5-[[[2-[ethyl[(tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester (9CI)	68298-74-8	


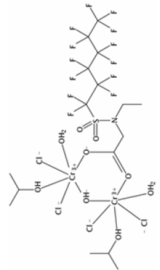
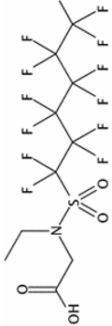

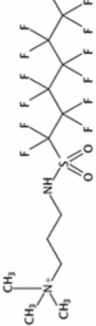
89	2-Propenoic acid, 2-methyl-, 2-[[[[[5-[[[2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[[[[5-[[[2-[ethyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[[5-[[[2-[ethyl]((1,1,2,2,3,3,4,4,5,5,6,6,6-pentadecafluoroheptyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[[5-[[[2-[ethyl]((1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[[5-[[[2-[ethyl]((1,1,2,2,3,3,4,4,5,5,8-heptafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	68298-78-2	
90	Benzenesulfonic acid, [[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]methyl]-, sodium salt (1:1)	68299-21-8	
91	2-Propenoic acid, 2-methyl-, 4-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]methylamino]butyl ester, telomer with butyl 2-propenoate, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 4-[methyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl]((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, α -(2-methyl-1-oxo-2-propen-1-yl)- ω -hydroxypoly(oxy-1,4-butanediyl), α -(2-methyl-1-oxo-2-propen-1-yl)- ω -[[2-methyl-1-oxo-2-propen-1-	68299-39-8	


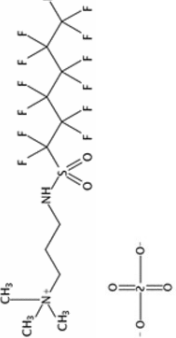
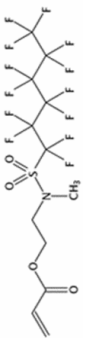
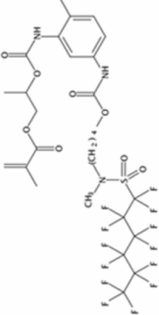
	y)oxy]poly(oxy-1,4-butanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol		
92	2-Propenoic acid, eicosyl ester, polymer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, hexadecyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and octadecyl 2-propenoate	68329-56-6	
93	Sulfonic acids, C6-12-alkane, perfluoro, potassium salts	68391-09-3	
94	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]-, sodium salt (1:1)	68555-70-4	
95	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-	68555-75-9	

96	Polymer based on 67584-55-8	68555-90-8	<p>由此結構式組成之聚合物：</p> 
97	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate	68555-91-9	<p>由此結構式組成之聚合物：</p> 
98	2-Propenoic acid, 2-methyl-, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate	68555-92-0	<p>由此結構式組成之聚合物：</p> 
99	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-chloro-1,3-butadiene, 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate	68568-77-4	
100	2-Propenoic acid, 2-[[[(heptafluorooctyl)sulfonyl]methylamino]ethyl ester,	68586-13-0	

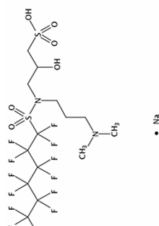
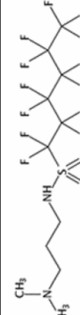
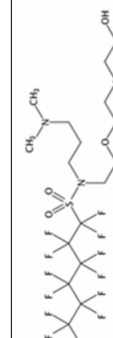
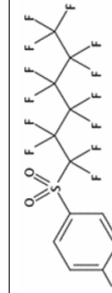
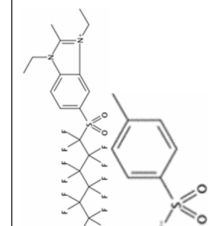
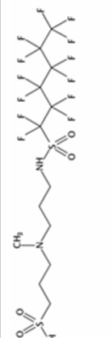
	polymer with 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, α -(2-methyl-1-oxo-2-propenyl)- ω -hydroxypoly(oxy-1,2-ethanediyl), α -(2-methyl-1-oxo-2-propenyl)- ω -[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(pentafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate and 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate (9CI)		
101	2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptafluorooctyl)sulfonyl]methylamino]ethyl ester, telomer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, α -(2-methyl-1-oxo-2-propen-1-yl)- ω -hydroxypoly(oxy-1,2-ethanediyl), α -(2-methyl-1-oxo-2-propen-1-yl)- ω -[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	68586-14-1	由此結構式組成之聚合物： 
102	Sulfonamides, C4-8-alkane,perfluoro,N-ethyl-N-(hydroxyethyl),reaction products with TDI	68608-13-9	
103	Sulfonamides, C4-8-alkane,perfluoro,N-ethyl-N-(hydroxyethyl),reaction products with 1,1'-methylenebis[4-isocyanatobenzene]	68608-14-0	
104	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptafluoro-N-(2-hydroxyethyl)-, reaction products with N-ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanedisulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5-undecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide, polymethylenepolyphenylene isocyanate and stearyl alc.	68649-26-3	
105	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-	68797-76-2	

	[methyl] [(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl] [(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl] [(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-oxiranylmethyl 2-methyl-2-propenoate			
106	Benzoic acid, 2,3,4,5-tetrachloro-6-[[[3-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]oxy]phenyl]amino]carbonyl]-, potassium salt (1:1)	68815-72-5		
107	2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]methylamino]ethyl] ester, polymer with 2-[methyl] [(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl] [(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl] [(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl] [(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and α -(1-oxo-2-propen-1-yl)- ω -methoxypoly(oxy-1,2-ethanediyl)	68867-60-7		
108	2-Propenoic acid, 2-methyl-, 2-[ethyl] [(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]amino]ethyl] ester, telomer with 2-[ethyl] [(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl] [(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl] [(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl] [(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 1-octanethiol and α -(1-oxo-2-propen-1-yl)- ω -methoxypoly(oxy-1,2-ethanediyl)	68867-62-9		
109	2-Propenoic acid, 2-methyl-, 2-[ethyl] [(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]amino]ethyl] ester, polymer with 2-[ethyl] [(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl] [(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl] [(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 1-octanethiol and α -(1-oxo-2-propen-1-yl)- ω -methoxypoly(oxy-1,2-ethanediyl)	68877-32-7	由此結構式組成之聚合物：	

	[ethyl][(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl][(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-methyl-1,3-butadiene		
110	Chromium,diaquatetrachloro[μ-[N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]glycinato-κO:κO']]-μ-hydroxybis(2-propanol)di-tridecafluorohexyl)sulfonyl		68891-98-5
111	2-Propenoic acid, eicosyl ester, polymers with branched octyl acrylate, 2-[[[heptadecafluorooctyl)sulfonyl]methylamino]ethyl acrylate, 2-[methyl]([nonafluorobutyl)sulfonyl]amino]ethyl acrylate, 2-[methyl]([pentadecafluoroheptyl)sulfonyl]amino]ethyl acrylate, 2-[methyl]([tridecafluorohexyl)sulfonyl]amino]ethyl acrylate, 2-[methyl]([undecafluoropentyl)sulfonyl]amino]ethyl acrylate, polyethylene glycol acrylate Me ether and stearyl acrylate		68909-15-9
112	Glycine,N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		68957-32-4
113	Glycine,N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, ethyl ester		68957-53-9
114	1-Propanaminium,N,N,N-trimethyl-3-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, iodide (1:1)		68957-58-4

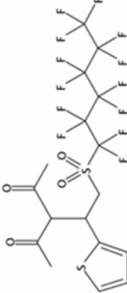

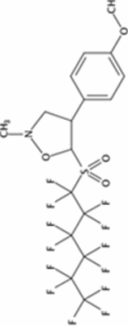
115	1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, hydrochloride (1:1)	68957-61-9	
116	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)	70225-16-0	
117	1-Propanaminium, N,N,N-trimethyl-3-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, sulfate (2:1)	70248-52-1	
118	2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl][methylamino]ethyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, 2-[methyl][(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl][(1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate and 2-[methyl][(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate	70776-36-2	由此結構式組成之聚合物： 
119	2-Propenoic acid, 2-methyl-, 2-[[[[[2-methyl-5-[[[4-[methyl][(tridecafluorohexyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl ester (9Cl)	70900-36-6	

120	<p>2-Propenoic acid, 2-methyl-, 2-[[[5-[[[4-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl][methylamino]butoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester, telomer with butyl 2-propenoate, 2-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl][methylamino]ethyl 2-propenoate, 2-[[[2-methyl-5-[[[4-[methy]l[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoroheptyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[methy]l[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methy]l[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methy]l[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol</p>	70900-40-2	
121	<p>2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 2-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl][methylamino]ethyl 2-propenoate, 2-[methy]l[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methy]l[(1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methy]l[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methy]l[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-propenoic acid</p>	71487-20-2	

122	1-Propanesulfonic acid, 3-[[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-2-hydroxy-, sodium salt (1:1)	73772-32-4	
123	1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, acetate (1:1)	73772-33-5	
124	1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-(2-hydroxyethoxy)ethoxy]ethyl]-	73772-34-6	
125	Benzene, 1-chloro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	76848-59-4	
126	1H-Benzimidazolium, 1,3-diethyl-2-methyl-5-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-4-methylbenzenesulfonate (1:1)	76848-68-5	
127	1-Propanesulfonic acid, 3-[methyl[3-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]propyl]amino]-, sodium salt (1:1)	80621-17-6	

128	1-Propanaminium,N-(2-hydroxyethyl)-3-[(2-hydroxy-3-sulfopropyl)[(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N-dimethyl-, hydroxide, sodium salt (1:1:1)	81190-38-7	
129	1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt (1:1)	82382-12-5	
130	1-Hexanesulfonamide,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-propyl-	85665-64-1	
131	Glycine,N-propyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, potassium salt (1:1)	85665-66-3	
132	1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (2:1)	86525-30-6	
133	Thiophene,2-[2-[(tridecafluorohexyl)sulfonyl]ethenyl]-	86525-43-1	
134	Furan,2-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-	86525-48-6	
135	Benzene,1-methyl-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-	86525-51-1	

136	Benzene, 1-methoxy-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-	86525-52-2	
137	Thiophene, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-48-9	
138	Furan, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-49-0	
139	Benzene, 1-methyl-4-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-50-3	
140	Thiophene, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-55-8	
141	Furan, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-56-9	

142	2,4-Pentanedione,3-[1-(2-thienyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-63-8	
143	2,4-Pentanedione,3-[1-(2-furanyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-64-9	
144	Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with epichlorohydrin, adipates (esters)	91081-99-1	
145	Isoxazolidine, 4-(4-methoxyphenyl)-2-methyl-5-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	93416-31-0	
146	Sulfonic acids, C6-12-alkane, perfluoro	93572-72-6	
147	Sulfonamides, C4-8-alkane, perfluoro, N-[4,7-dimethyl-4-[[[1-methylpropylidene)amino]oxy]-3,5-dioxo-6-aza-4-silanon-6-en-1-yl]-N-ethyl	944578-05-6	

附表二 公告列管毒性化學物質禁止運作事項一覽表

列管 編號	序號	化學物質 中文名稱	禁 止 運 作 事 項
169	05	全氟己烷磺酸及其 鹽類與相關化合物	禁止製造、輸入、販賣及使用。但研究、試驗、教育用途者，不在此限。

附表三 公告列管毒性化學物質得使用用途一覽表

列管 編號	序號	化學物質 中文名稱	用 途
169	01	全氟辛烷磺酸	1.研究、試驗、教育。 2.使用於封閉系統中硬金屬電鍍。
	02	全氟辛烷磺酸鋰鹽	
	03	全氟辛烷磺醯氟	
169	04	全氟辛酸	1.研究、試驗、教育。 2.半導體的光刻或蝕刻製程。 3.攝影底片塗層之製造。 4.具撥油、撥水性之勞工用紡織品之製造。 5.工業廢熱交換器及工業密封劑之聚四氟乙烯(PTFE)及聚偏氟乙烯膜(PVDF)之製造。 6.高壓電線及電纜之聚氟乙烯丙烯(FEP)之製造。 7.車用內裝之圓形環、三角皮帶及塑膠零件之製造。
169	05	全氟己烷磺酸及其鹽類與相關化合物	研究、試驗、教育。

附表四 已運作公告列管毒性化學物質應於規定期限完成相關事項一覽表

(一) 氧化三丁錫、氫氧化三苯錫、醋酸三丁錫、溴化三丁錫、氯化三丁錫、氟化三丁錫、氫化三丁錫、溴化三苯錫、醋酸三苯錫、氯化三苯錫應於規定期限完成相關事項一覽表

毒性化學物質 規定事項	氧化三丁錫、氫氧化三苯錫規定 期限完成事項 ^(註)	醋酸三丁錫、溴化三丁錫、氯化 三丁錫、氟化三丁錫、氫化三丁 錫、溴化三苯錫、醋酸三苯錫及 氯化三苯錫規定期限完成事項 ^(註)
提報危害預防及應變 計畫。	自即日起。	中華民國一百十三年五月一日前 完成。
運送毒性化學物質。	中華民國一百十三年二月一日起 依規定辦理。	中華民國一百十三年八月一日起 依規定辦理。
提報應變器材、偵測 及警報設備之設置及 操作計畫。	自即日起。	中華民國一百十三年五月一日前 完成提報。
提報聯防組織設立計 畫。	自即日起。	中華民國一百十三年五月一日前 完成提報。
完成偵測及警報設備 之設置。	自即日起。	中華民國一百十三年八月一日前 完成設置。
依備查之危害預防及 應變計畫內容實施。	自即日起。	中華民國一百十三年八月一日起 實施。
專業技術管理人員。	自即日起。	中華民國一百十三年八月一日前 完成設置。
專業應變人員。	中華民國一百十二年七月一日前 完成訓練及登載。	中華民國一百十三年八月一日前 完成訓練及登載。
依規定取得許可證、 登記文件或核可文 件。	中華民國一百十三年八月一日前 取得或完成證件變更。	中華民國一百十三年八月一日前 取得或完成證件變更。
其他本表未列事項。	中華民國一百十三年二月一日起 依有關規定辦理。	中華民國一百十三年二月一日起 依有關規定辦理。

註：限原已取得許可證、登記文件或核可文件者。

(二) 三苯基- α -萘錫（化學文摘社登記號碼 81134-67-0）、氟化三丙錫（化學文摘社登記號碼 682-32-6）、溴化三甲苯錫（化學文摘社登記號碼 58436-46-7）及參（三苯錫）甲烷（化學文摘社登記號碼 50485-45-5）應於規定期限完成相關事項一覽表

毒性化學物質 規定事項	三苯基- α -萘錫（化學文摘社登記號碼 81134-67-0）、氟化三丙錫（化學文摘社登記號碼 682-32-6）、溴化三甲基錫（化學文摘社登記號碼 58436-46-7）、參（三苯錫）甲烷（化學文摘社登記號碼 50485-45-5）規定期限完成事項
運作紀錄及釋放量紀錄。	中華民國一百十二年八月一日起開始記錄並依規定定期申報。
專業應變人員。	中華民國一百十三年八月一日前完成訓練及登載。
依規定取得核可文件。	中華民國一百十三年八月一日前取得。
其他本表未列事項。	中華民國一百十三年二月一日起依有關規定辦理。

（三）全氟己烷磺酸及其鹽類與相關化合物、全氟辛烷磺酸、全氟辛烷磺醯氟、全氟辛烷磺醯鋰鹽、全氟辛酸應於規定期限完成相關事項一覽表

毒性化學物質 規定事項	全氟己烷磺酸及其鹽類與相關化合物、全氟辛烷磺酸(未達濃度 0.01%)、全氟辛烷磺醯氟(未達濃度 0.01%)、全氟辛烷磺醯鋰鹽(未達濃度 0.01%)、全氟辛酸(未達濃度 0.01%)應於規定期限完成相關事項
運作紀錄及釋放量紀錄。	自公告日起開始記錄並依規定定期申報。
提報危害預防及應變計畫。	中華民國一百十四年五月一日前完成提報。
完成容器、包裝、運作場所及設施之標示並備安全資料表。	中華民國一百十四年五月一日前完成改善。
運送毒性化學物質。	中華民國一百十四年十一月一日前依規定辦理。
備緊急應變工具及設備。	中華民國一百十四年五月一日前完成。
提報應變器材、偵測及警報設備之設置及操作計畫。	中華民國一百十四年八月一日前完成提報。
提報聯防組織設立	中華民國一百十四年八月一日前完成提報。

計畫。	
完成偵測及警報設備之設置。	中華民國一百十四年十一月一日前完成設置。
依備查之危害預防及應變計畫內容實施。	中華民國一百十四年十一月一日起實施。
專業技術管理人員。	中華民國一百十四年十一月一日前完成設置。
責任保險。	自公告日起六個月內完成投保事宜。
專業應變人員。	中華民國一百十四年十一月一日前完成訓練及登載。
依規定取得許可證、登記文件或核可文件。	中華民國一百十四年十一月一日前取得。
其他本表未列事項。	自即日起依有關規定辦理。