

● **환경부고시 제2022-204호**

환경부고시 「유해화학물질의 교역시 사전통보승인절차에 관한 협약에 따른 화학물질의 수출에 관한 규정」(제2019-165호, 2019.9.16)을 다음과 같이 개정·고시합니다.

2022년 10월 25일

환경부장관

**유해화학물질의 교역시 사전통보승인절차에 관한 협약에 따른 화학물질의 수출에 관한 규정**

유해화학물질의 교역시 사전통보승인절차에 관한 협약에 따른 화학물질의 수출에 관한 규정 일부를 다음과 같이 개정한다.

제1조 본문 중 "유해화학물질의 교역시 사전통보승인절차에 관한 협약"을 "유해화학물질의 국제교역시 사전통보승인절차에 관한 로테르담협약"이라 한다.

제13조 중 "대하여 2018년 7월 1일 기준으로 매3년"을 "대하여 「훈령·예규 등의 발령 및 관리에 관한 규정」에 따라 2023년 1월 1일 기준으로 매 3년"으로, "6월 30일"을 "12월 31일"로 한다.

별표 협약 부속서Ⅲ 등재물질 중 산업용 화학물질에 대해 별지와 같이 추가한다.

부칙

이 고시는 2022년 10월 22일부터 시행한다.

[별표1]

협약 부속서Ⅲ 등재물질 중 산업용 화학물질(제2조제2호 관련)

물질명	CAS 등록번호	비고
Crocidolite	12001-28-4	' 04년 등재
Polybrominated biphenyls (PBBs) :		
- Hexabromobiphenyl	36355-01-8	
- Octabromobiphenyl	27858-07-7	
- Decabromobiphenyl	13654-09-6	
Polychlorinated biphenyls (PCB)	1336-36-3	
Polychlorinated terphenyls (PCT)	61788-33-8	' 05년 등재
Tris(2,3-dibromopropyl) phosphate	126-72-7	
Actinolite	77536-66-4	
Anthophyllite	77536-67-5	
Amosite	12172-73-5	
Tremolite	77536-68-6	
Tetraethyl Lead	78-00-2	' 13년 등재
Tetramethyl Lead	75-74-1	
Commercial pentabromodipheny ether including :		
- Tetradiphenyl ether	40088-47-9	
- Pentabromodiphenyl ether	32534-81-9	
Commercial octabromodipheny ether including :		
- Hexadiphenyl ether	36483-60-0	
- Heptabromodiphenyl ether	68928-80-3	

물질명	CAS 등록번호	비고
Perfluorooctane sulfonic acid, perfluorooctane sulfonates, perfluorooctane sulfonamides and perfluorooctane sulfonyls including:		
- Perfluorooctane sulfonic acid	1763-23-1	
- Potassium perfluorooctane sulfonate	2795-39-3	
- Lithium perfluorooctane sulfonate	29457-72-5	
- Ammonium perfluorooctane sulfonate	29081-56-9	
- Diethanolammonium perfluorooctane sulfonate	70225-14-8	
- Tetraethylammonium perfluorooctane sulfonate	56773-42-3	
- Didecyldimethylammonium perfluorooctane sulfonate	251099-16-8	
- N-Ethylperfluorooctane sulfonamide	4151-50-2	
- N-Methyl perfluorooctane sulfonamide	31506-32-8	
- N-Ethyl-N-(2-hydroxyethyl) perfluorooctane sulfonamide	1691-99-2	
- N-(2-Hydroxyethyl)-N-methylperfluorooctane sulfonamide	24448-09-7	
- Perfluorooctane sulfonyl fluoride	307-35-7	
Short-Chain Chlorinated Paraffins	85535-84-8	' 17년 등재
All Tributyltin compounds including :		
- Tributyltin oxide	56-35-9	
- Tributyltin fluoride	1983-10-4	
- Tributyltin methacrylate	2155-70-6	
- Tributyltin benzoate	4342-36-3	
- Tributyltin chloride	1461-22-9	
- Tributyltin linoleate	24124-25-2	
- Tributyltin naphthenate	85409-17-2	
Hexabromocyclododecane :		' 19년 등재
- Hexabromocyclododecane Commercial substance (does not specify the bromine positions)	25637-99-4	
- 1,2,5,6,9,10-Hexabromocyclododecane	3194-55-6	
- $\alpha$ -Hexabromocyclododecane stereoisomer	134237-50-6	
- $\beta$ -Hexabromocyclododecane stereoisomer	134237-51-7	
- $\gamma$ -Hexabromocyclododecane stereoisomer	134237-52-8	
Decabromodiphenyl ether	1163-19-5	' 22년 등재
Perfluorooctanoic acid(PFOA), its salts and PFOA-related compounds :		
- Perfluorooctanoic acid	335-67-1	
- Perfluorooctanoate (conjugate base of the free acid) (Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentafluoro-, ion(1-))	45285-51-6	
- Branched perfluorooctanoic acid	90480-55-0	
- Hexanoic acid, 2,2,3,4,5,5,6,6,6-nonafluoro-3,4-bis	1882109-81-0	

물질명	CAS 등록번호	비고
(trifluoromethyl) -		
- Hexanoic acid, 2,3,3,4,4,5,6,6,6-nonafluoro-2,5-bis(trifluoromethyl) -	1882109-80-9	
- Hexanoic acid, 2,2,3,3,4,5,5,6,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl) -	1882109-79-6	
- Hexanoic acid, 2,2,3,4,4,5,5,6,6,6-decafluoro-3-(1,1,2,2,2-pentafluoroethyl) -	1882109-78-5	
- Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-(1,1,2,2,3,3,3-heptafluoropropyl)	1882109-77-4	
- Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl] -	1882109-76-3	
- Pentanoic acid, 2,2,3,5,5,5-hexafluoro-3,4,4-tris(trifluoromethyl) -	1882109-75-2	
- Pentanoic acid, 2,2,4,5,5,5-hexafluoro-3,3,4-tris(trifluoromethyl) -	1882109-74-1	
- Pentanoic acid, 2,3,3,5,5,5-hexafluoro-2,4,4-tris(trifluoromethyl) -	1882109-73-0	
- Pentanoic acid, 2,3,4,5,5,5-hexafluoro-2,3,4-tris(trifluoromethyl) -	1882109-72-9	
- Pentanoic acid, 2,4,4,5,5,5-hexafluoro-2,3,3-tris(trifluoromethyl) -	1882109-71-8	
- Pentanoic acid, 2,2,3,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl) -4-(trifluoromethyl) -	1882109-70-7	
- Pentanoic acid, 2,2,3,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl) -4-(trifluoromethyl) -	1882109-68-3	
- Pentanoic acid, 2,2,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl) -3-(trifluoromethyl) -	1882109-67-2	
- Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl) -2-(trifluoromethyl) -	1882109-66-1	
- Pentanoic acid, 2,3,3,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl) -4-(trifluoromethyl) -	1882109-65-0	
- Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl) -3-(trifluoromethyl) -	1882109-64-9	
- Pentanoic acid, 3,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl) -2-(trifluoromethyl) -	1882109-63-8	
- Pentanoic acid, 3,4,4,5,5,5-hexafluoro-2,2,3-(trifluoromethyl) -	1882109-69-4	
- Butanoic acid, 4,4,4-trifluoro-2,2,3,3-tetrakis(trifluoromethyl) -	1882109-62-7	
- Butanoic acid, 2,3,4,4,4-pentafluoro-2-[1,2,2,2-t	1882109-61-6	

물질명	CAS 등록번호	비고
etrafluoro-1-(trifluoromethyl)ethyl]-3-(trifluoromethyl)-		
- Butanoic acid, 2,3,3,4,4,4-hexafluoro-2-[2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl]-	1882109-60-5	
- Butanoic acid, 3,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-2-(trifluoromethyl)-	1882109-59-2	
- Butanoic acid, 3,3,4,4,4-pentafluoro-2,2-bis(1,1,2,2,2-pentafluoroethyl)-	1882109-58-1	
- Hexanoic acid, 2,2,4,4,5,5,6,6,6-nonafluoro-3,3-bis(trifluoromethyl)-	1812247-20-3	
- Hexanoic acid, 2,3,3,4,5,5,6,6,6-nonafluoro-2,4-bis(trifluoromethyl)-	1812247-19-0	
- Hexanoic acid, 2,3,4,4,5,5,6,6,6-nonafluoro-2,3-bis(trifluoromethyl)-	1812247-18-9	
- Hexanoic acid, 3,3,4,4,5,5,6,6,6-nonafluoro-2,2-bis(trifluoromethyl)-	1812247-17-8	
- Hexanoic acid, 2,2,3,3,5,5,6,6,6-nonafluoro-4,4-bis(trifluoromethyl)-	1192593-79-5	
- Hexanoic acid, 2,2,3,3,4,5,6,6,6-nonafluoro-4,5-bis(trifluoromethyl)-	1144512-36-6	
- Hexanoic acid, 2,2,3,4,4,5,6,6,6-nonafluoro-3,5-bis(trifluoromethyl)-	1144512-35-5	
- Hexanoic acid, 2,2,3,3,4,4,6,6,6-nonafluoro-5,5-bis(trifluoromethyl)-	1144512-34-4	
- Heptanoic acid, 2,2,3,3,4,5,5,6,6,7,7,7-dodecafluoro-4-(trifluoromethyl)-	1144512-18-4	
- Heptanoic acid, 2,2,3,3,4,4,5,6,6,7,7,7-dodecafluoro-5-(trifluoromethyl)-	909009-42-3	
- Heptanoic acid, 2,2,3,4,4,5,5,6,6,7,7,7-dodecafluoro-3-(trifluoromethyl)-	705240-04-6	
- Heptanoic acid, 2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-2-(trifluoromethyl)-	207678-51-1	
- Isooctanoic acid, pentadecafluoro-	123116-17-6	
- Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-	35605-76-6	
- Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-	15166-06-0	
- Ammonium salt, linear/branched PFOA (Octanoic acid, pentadecafluoro-, branched, ammonium salt)	90480-56-1	

물질명	CAS 등록번호	비고
- Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ammonium salt (1:1)	3825-26-1	
- Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, sodium salt (1:1)	335-95-5	
- Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt (1:1)	2395-00-8	
- Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, lithium salt (1:1)	17125-58-8	
- Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, silver(1+) salt (1:1)	335-93-3	
- Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) salt (3:1)	68141-02-6	
- 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	
- Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, ammonium salt (1:1)	13058-06-5	
- Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, sodium salt (1:1)	1195164-59-0	
- Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, ammonium salt (1:1)	19742-57-5	
- Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, iron salt (1:x)	61436-04-2	
- Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, potassium salt (1:1)	29457-73-6	
- Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, sodium salt (1:1)	18017-22-6	
- Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, chromium salt (1:x)	15739-82-9	
- Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, aluminum salt (3:1)	15715-47-6	
- Fatty acids, C7-13, perfluoro	68333-92-6	
- Ethylamine salts of C7-C13 perfluorinated fatty acids	69278-80-4	
- Fatty acids, C7-19, perfluoro	91032-01-8	
- Fatty acids, C7-13, perfluoro, ammonium salts	72968-38-8	
- Fatty acids, C6-18, perfluoro, ammonium salts	72623-77-9	
- Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, methyl ester	376-27-2	
- Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ethyl ester	3108-24-5	

물질명	CAS 등록번호	비고
- Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-,1,1'-anhydride	33496-48-9	
- Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs.	68412-69-1	
- Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts	93062-53-4	
- Bis(perfluorooctyl)phosphinic acid	40143-79-1	
- Perfluorohexylperfluorooctyl phosphinate	610800-34-5	
- Octanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-	335-66-0	
- Perfluorooctyl iodide	507-63-1	
- Alkyl iodides, C6-18, perfluoro	90622-71-2	
- Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-10-iodo-	2043-53-0	
- Alkyl iodides, C4-20, $\gamma$ - $\omega$ -perfluoro	68188-12-5	
- Alkyl iodides, C10-12, $\gamma$ - $\omega$ -perfluoro	68390-33-0	
- 1-Decene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro- (8:2 Fluorotelomer olefin)	21652-58-4	
- 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-	678-39-7	
- 2-Decenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluoro-	70887-84-2	
- Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro	27854-31-5	
- 1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate)	54009-73-3	
- 1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafluoro-12-(trifluoromethyl)-, 1-(dihydrogen phosphate)	63295-27-2	
- 1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate)	63295-28-3	
- 1,2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafuoro-16-(trifluoromethyl)-, 1-(dihydrogen phosphate)	63295-29-4	
- 1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt	63295-18-1	
- 1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11	63295-19-2	

물질명	CAS 등록번호	비고
-hexa decafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate), compd. with 2,2 '-iminobis[ethanol] (1:2)		
- 2-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, dihydrogen phosphate, diammonium salt	63295-23-8	
- Acetic acid, 2-[[3,3,4,4,5,5,6,6,7,7,8,8,9,10,10, 10-hexadeca fluoro-1-[(phosphonooxy)methyl]-9-(trifluoromethyl) decyl]oxy]-, ammonium salt (1:2)	63295-24-9	
- 1-Undecanol, 2-chloro-4,4,5,5,6,6,7,7,8,8,9,9,10, 11,11,11-hexadecafluoro-10-(trifluoromethyl)-, dihydrogen phosphate	63295-22-7	
- 1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafuoro-, 1-(dihydrogen phosphate)	94158-70-0	
- 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(dihydrogen phosphate) (8:2 Fluorotelomer phosphate monoester)	57678-03-2	
- 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1,1'-(hydrogen phosphate) (8:2 Fluorotelomer phosphate diester)	678-41-1	
- 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, dihydrogen phosphate, diammonium salt	93857-44-4	
- 2-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,11-heptadecafluoro-, dihydrogen phosphate, potassium salt	90179-37-6	
- Diphosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8, 9,9, 10,10,10-heptadecafluorodecyl) ester, compd. with 2,2 ',2' '-nitrilotris[ethanol] (1:3)	98005-85-7	
- Diphosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8, 9,9, 10,10,10-heptadecafluorodecyl) ester, compd. with 2-aminoethanol (1:3)	98005-84-6	
- Phosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,11,11,12,12,12-heneicosafuoro dodecyl) mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl) ester	1158182-60-5	
- Phosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl) mono(3,3,4, 4,5,5,6, 6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-penta	1578186-42-1	

물질명	CAS 등록번호	비고
cosafluorotetradecyl) ester		
- Ammonium bi(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) phosphate	93776-20-6	
- 1-Nonadecanol, 12,12,13,13,14,14,15,15,16, 16,17,17, 18,18,19,19,19-heptadecafluoro-, dihydrogen phosphate	2343-53-5	
- Phosphoric acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl bis(3,3,4,4,5,5,6,6, 7,7,8,8,8-tridecafluorooctyl) ester	1578186-53-4	
- Phosphoric acid, bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl) 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester	1578186-56-7	
- Phosphoric acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,12-heneicosfluorododecyl 3,3,4,4, 5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester	1578186-64-7	
- 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1,1', 1' ' -phosphate	149790-22-7	
- 1-Decanesulfonamide, 3,3,4,4,5,5,6,6,7,7,8,8,9, 9,10,10,10-heptadecafluoro-N- [3- (phosphono oxy)propyl]-N-propyl-, sodium salt (1:2)	441765-20-4	
- 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester (8:2 Fluorotelomer acrylate)	27905-45-9	
- 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester (8:2 Fluorotelomer methacrylate)	1996-88-9	
- 2-Propenoic acid, $\gamma$ - $\omega$ -perfluoro-C8-14-alkyl esters	85631-54-5	
- 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1- (hydroxymethyl)decyl ester	146955-29-5	
- 2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,11-heptadecafluoro-2-hydroxyundecyl ester	76962-34-0	
- Octadecanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester (8:2 Fluorotelomer stearate monoester)	99955-83-6	
- Pentanedioic acid, 3- [2- [(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]-2-oxoethyl]-3-hydroxy-, 1,5-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester	302911-86-0	



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(8:2 Fluorotelomer citrate triester)		
- Perfluorooctylethyldichloromethyl silane	3102-79-2	
- Perfluorooctylethyldimethylchlorosilane	74612-30-9	
- Perfluorooctylethyltriethoxysilane	101947-16-4	
- Perfluorooctylethyltrichlorosilane	78560-44-8	
- Perfluorooctylethyltrimethoxysilane	83048-65-1	
- Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)tris(1-methylethoxy)-	246234-80-0	
- Silane, tetrakis[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl)thio]ethyl]-	1189587-64-1	
- Propanamide, 3-[( $\gamma$ - $\omega$ -perfluoro-C4-10-alkyl)thio] derivatives	68187-42-8	
- Thiols, C8-20, $\gamma$ - $\omega$ -perfluoro, telomers with acrylamide	70969-47-0	
- Carbamic acid, [2-(sulphothio)ethyl]-, C-( $\gamma$ - $\omega$ -perfluoro-C6-9-alkyl) esters, monosodium salts	95370-51-7	
- 1,3-Propanediol, 2,2-bis[[( $\gamma$ - $\omega$ -perfluoro-C4-10-alkyl)thio]methyl] derivatives, phosphates, ammonium salts	148240-85-1	
- 1,3-Propanediol, 2,2-bis[[( $\gamma$ - $\omega$ -perfluoro-C6-12-alkyl)thio]methyl] derivatives, phosphates, ammonium salts	148240-87-3	
- 1,3-Propanediol, 2,2-bis[[( $\gamma$ - $\omega$ -perfluoro-C10-20-alkyl)thio]methyl] derivs., phosphates, ammonium salts	148240-89-5	
- Oxirane, methyl-, polymer with oxirane, mono[2-hydroxy-3-[( $\gamma$ - $\omega$ -perfluoro-C8-20-alkyl)thio]propyl] ethers	183146-60-3	
- Pentanoic acid, 4,4-bis[( $\gamma$ - $\omega$ -perfluoro-C8-20-alkyl)thio]derivs., compds. with diethanolamine	71608-61-2	
- 1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-, 1-(dihydrogen phosphate), ammonium salt (1:2)	94200-45-0	
- Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	77117-48-7	
- Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	1835250-28-6	
- Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	182130-12-7	
- Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	1835250-47-9	

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afluoro-		
- Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	182130-14-9	
- Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	182130-15-0	
- Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	6145-05-7	
- Heptadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	931415-52-0	
- Octadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	138472-76-1	
- Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	117146-18-6	
- Hexacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	133310-73-3	
- Octacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	137338-39-7	
- Triacontane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	137338-40-0	
- Dotriacontane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	137338-41-1	
- Eicosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8, 13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20-tetratriacontafuoro-	133299-41-9	
- Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,17, 17, 18,18,19,19,20,20,21,21,22,22,23,23,24, 24,24-tetratriacontafuoro-	100550-08-1	
- 9-Tetracosene, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	1244062-16-5	
- 1-Nonanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-	423-56-3	
- Decanal, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-	135984-68-8	
- Nonanal, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-	63967-40-8	
- Ethanol, 2-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl)oxy]ethoxy]-	56900-98-2	
- Propanol, [2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 10-heptadecafluorodecyl)oxy]methylethoxy]-	88243-13-4	
- Ethanol, 2-[2-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 1	88243-12-3	

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0,10-heptadecafluorodecyl)oxy]methylethoxy] methylethoxy] -		
- 3,6,9,12-Tetraoxadocosan-1-ol, 15,15,16,16,17, 17,18,18,19,19,20,20,21,21,22,22,22-heptadecafluoro-	55427-54-8	
- 3,6,9,12-Tetraoxadocosan-1-ol, 15,15,16,16,17, 17,18,18,19,19,20,20,21,21,22,22,22-heptadecafluoro dimethyl-	88271-22-1	
- 3,6,9,12-Tetraoxadocosan-1-ol, 15,15,16,16,17, 17,18,18,19,19,20,20,21,21,22,22,22-heptadecafluoro tetramethyl-	88243-14-5	
- 3,6,9,12,15-Pentaoxapentacosan-1-ol, 18,18,19, 19,20,20,21,21,22,22,23,23,24,24,25,25,25-heptadecafluoropentamethyl-	88243-15-6	
- 3,6,9,12,15,18-Hexaoxaoctacosan-1-ol, 21,21,22, 22,23,23,24,24,25,25,26,26,27,27,28,28,28-heptadecafluoro-	88247-39-6	
- 3,6,9,12,15,18-Hexaoxaoctacosan-1-ol, 21,21,22, 22,23,23,24,24,25,25,26,26,27,27,28,28,28-heptadecafluoropentamethyl-	88243-11-2	
- 3,6,9,12,15,18-Hexaoxaoctacosan-1-ol, 21,21,22, 22,23,23,24,24,25,25,26,26,27,27,28,28,28-heptadecafluoro hexamethyl-	88243-16-7	
- 3,6,9,12,15,18,21-Heptaoxahentriacontan-1-ol, 24, 24,25,25,26,26,27,27,28,28,29,29,30, 30,31,31,31-heptadecafluoropentamethyl-	88243-10-1	
- 3,6,9,12,15,18,21,24-Octaoxatetratriacontan-1-ol, 27,27,28,28,29,29,30,30,31,31,32,32,33,33,34,34,34-heptadecafluoro-	88247-40-9	
- 3,6,9,12,15,18,21,24-Octaoxatetratriacontan-1-ol, 27,27,28,28,29,29,30,30,31,31,32,32,33,33,34,34,34-heptadecafluorooctamethyl-	88243-17-8	
- 3,6,9,12,15-Pentaoxapentacosan-1-ol, 18,18, 19,19,20,20,21,21,22,22,23,23,24,24,25,25,25-heptadecafluoropentamethyl-, acetate	88243-09-8	
- 1,2-Propanediol, 3-[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10, 10,10-heptadecafluorodecyl)oxy]-	121500-31-0	
- 11,14,17,20,23,26,29,32-Octaoxaotatetracontan-33-one, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	67549-47-7	

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- Tridecanoic acid, 27,27,28,28,29,29,30,30,31,31, 32, 32,33,33,34,34,34-heptadecafluoro-3,6,9,12, 15,18, 21,24-octaooxatetra triacont-1-yl ester	67535-33-5	
- Oxirane, 2-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl)-	38565-53-6	
- Oxirane, 2-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]methyl]-	114482-33-6	
- 1-Decanamium, N,N-diethyl-3,3,4,4,5,5, 6,6,7,7, 8,8,9,9,10,10,10-heptadecafluoro-2-hydroxy-N-methyl-, iodide (1:1)	99679-40-0	
- 1-Undecanamium, 4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11, 11,11-heptadecafluoro-2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, iodide (1:1)	93776-18-2	
- 1-Propanamium, 3-[[[4-[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl)oxy]-1,4-dioxo-2-buten-1-yl]amino]-N,N,N-trimethyl-, iodide (1:1)	121912-26-3	
- Pyridinium, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl)-, iodide (1:1)	25935-14-2	
- Ethanaminium, N-ethyl-2-[[[[[3-[[[3-[[[3-[[[3-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadeca fluoro decyl)oxy]carbonyl]amino]methylphenyl] amino]ca rbonyl]amino]methylphenyl] amino]carbonyl]amino]m ethylphenyl] amino]carbonyl]oxy]-N,N-dimethyl-, e thyl sulfate	100155-23-5	
- 1-Decanamine, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluoro-N,N-dimethyl-, N-oxide	-	
- Ethanaminium, N-ethyl-2-[[[[[3-[[[3-[[[3-[[[3-[[[(3, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadeca fluoro de cy]oxy]carbonyl]amino]methylphenyl] carbonimidoy l] amino]methylphenyl] carbonimidoyl] amino]methylph enyl] amino]carbonyl]oxy]-N,N-dimethyl-, ethyl su lfate	100107-48-0	
- 1-Decanamium, N-(carboxymethyl)-3,3,4,4,5,5, 6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-N,N-dimet hyl-	2089109-26-0	
- 1-Decanamium, N-(carboxymethyl)-3,3,4,4,5,5, 6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-N,N-dimet hyl-, inner salt	145441-32-3	
- 1-Dodecanamium, N-(carboxymethyl)-5,5,6,6, 7,	2089109-30-6	

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7,8,8,9,9,10,10,11,11,12,12,12-heptadeca fluoro-N, N-dimethyl-		
- 1-Undecanaminium, 2-(acetyloxy)-N-(carboxy methyl)-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-N,N-dimethyl-, inner salt	80234-03-3	
- 1-Decanethiol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 10-heptadecafluoro-	34143-74-3	
- 2-Propenamide, telomer with 3,3,4,4,5,5,6,6,7,7, 8, 8,9,9,10,10,10-heptadecafluoro-1-decanethiol	76830-13-2	
- 1-Decanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9, 9,10,10,10-heptadecafluoro-	39108-34-4	
- 1-Decanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9, 9,10,10,10-heptadecafluoro-, potassium salt (1:1)	438237-73-1	
- 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hepta decafluoro-, 1-(hydrogen sulfate), ammonium salt (1:1)	63225-57-0	
- Butanedioic acid, 2-sulfo-, 1,4-bis(3,3,4,4,5,5,6,6, 7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester, so dium salt (1:1)	54950-06-0	
- Acetic acid, 2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 10-heptadecafluorodecyl)thio]-, lithium salt (1:1)	441765-12-4	
- Propanoic acid, 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl)thio]-	54207-62-4	
- Propanoic acid, 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl)thio]-, lithium salt (1:1)	481050-04-8	
- Ethanesulfonic acid, 2-[(3,3,4,4,5,5,6,6,7,7,8,8,9, 9, 10,10,10-heptadecafluorodecyl)thio]-, lithium salt (1:1)	441765-14-6	
- 2-Propanol, 1,3-bis[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10, 10,10-heptadecafluorodecyl)thio]-	160819-47-6	
- 2-Propanol, 1-[(2-dodecylhexadecyl)oxy]-3-[(3, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodec yl)thio]-	160819-50-1	
- 2-Propanol, 1-[(2-decyltetradecyl)oxy]-3-[(3,3, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecy l)thio]-	160819-49-8	
- 2,5,8,11,14,17,20,23-Octaoxa-27-thiaheptatria cont an-25-ol, 30,30,31,31,32,32,33,33,34,34,35, 35,36, 36,37,37,37-heptadecafluoro-	121912-28-5	
- 1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-	727351-53-3	

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[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		
- 1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-, chloride (1:1)	71940-07-3	
- Ethanaminium, 2-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]ethoxy]-N,N,N-trimethyl-, iodide (1:1)	71625-52-0	
- Acetamide, N-[3-(dimethylamino)propyl]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-	1513863-91-6	
- 1-Propanaminium, 3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]acetyl]amino]-N,N,N-trimethyl-	704870-51-9	
- 1-Propanaminium, N-ethyl-3-[[3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-2-methyl-1-oxopropyl]amino]-N,N-dimethyl-, ethyl sulfate (1:1)	67333-62-4	
- 1-Propanaminium, N-(carboxymethyl)-3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]acetyl]amino]-N,N-dimethyl-, inner salt	1513863-96-1	
- Butanoic acid, 4-[[3-(dimethylamino)propyl]amino]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-4-oxo-	1383438-89-8	
- Glycine, N-[3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10,10-heptadecafluorodecyl)thio]-2-hydroxypropyl]-N-methyl-	93128-66-6	
- 1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-1-oxopropyl]amino]-2-methyl-	755698-73-8	
- 1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-1-oxopropyl]amino]-2-methyl-, sodium salt (1:1)	62880-96-0	
- 1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfinyl]-	1513864-19-1	
- 1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfinyl]-1-oxopropyl]amino]-2-methyl-	1513864-12-4	
- 1-Decanesulfonamide, N-[3-(dimethyloxido amino)]	80475-33-8	

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propyl]-3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluoro-		
- 1-Decanesulfonamide, N-[3-(dimethylamino) propyl]-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-	34455-23-7	
- 1-Propanaminium, 3-[[3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl)sulfonyl] amino]-N, N,N-trimethyl-, 4-methylbenzene sulfonate (1:1)	438237-77-5	
- 1-Propanaminium, N-(carboxymethyl)-3-[[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]amino]-N,N-dimethyl-, inner salt	34455-21-5	
- Ethanaminium, N-(2-carboxyethyl)-2-[[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro decyl)sulfonyl] amino]-N,N-dimethyl-, inner salt	34695-29-9	
- Glycine, N-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]-N-propyl-, lithium salt	441765-18-0	
- $\beta$ -Alanine, N-(2-carboxyethyl)-N-[6-[[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro decyl)sulfonyl] amino]hexyl]-, dipotassium salt	98900-53-9	
- 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate	115592-83-1	
- 2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and $\gamma$ - $\omega$ -perfluoro-C8-14-alkyl acrylate	129783-45-5	
- 2-Propenoic acid, dodecyl ester, polymers with Bu(1-oxo-2-propenyl)carbamate and $\gamma$ - $\omega$ -perfluoro-C8-14-alkyl acrylate	144031-01-6	
- 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, alpha-(2-methyl-1-oxo	116984-14-6	

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- 2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1, 2-ethanediyl), 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-nonacosafluorohexadecyl 2-propenoate, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 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-tritriacontafluorooctadecyl 2-propenoate		
- 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, homopolymer (Poly[2-(perfluorooctyl)ethyl acrylate])	74049-08-4	
- 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6, 7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate	65104-45-2	
- 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, polymer with 2-propenoic acid	53515-73-4	
- Poly(oxy-1,2-ethanediyl),a-[2-[2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl) amino]ethyl]-omega-hydroxy	93480-00-3	
- 2-Propenoic acid, polymer with 2-ethenylnaphthalene and 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl 2-propenoate	934505-67-6	
- 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 11,12,12-heneicosafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-pentacosafluorotetradecyl 2-propenoate	142636-88-2	
- Amides, C7-19, alpha-omega-perfluoro-N,N-bis(hydroxyethyl)	90622-99-4	
- Piperazinium, 1-(carboxymethyl)-1-(2-hydroxyet	71356-38-2	



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hyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)-, inner salt		
- 2-Propenoic acid, perfluoro-C8-16-alkyl esters	85681-64-7	
- 2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethylmethacrylate, Methylmethacrylate and perfluoro-C8-14-alkyl acrylate	125328-29-2	
- Phosphine, tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]-	325459-92-5	
- Palladium, dichlorobis[tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]phosphine-κP]-	326475-46-1	
- 1-Propanaminium, N-(2-carboxyethyl)-N,N-bis(2-hydroxyethyl)-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, inner salt	39186-68-0	
- Octanamide, N-[3-[bis(2-hydroxyethyl)amino]propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro	41358-63-8	
- Benzenesulfonyl chloride, 3,4-bis[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-	24216-05-5	
- 1-Propanaminium, N,N,N-trimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, chloride (1:1)	53517-98-9	
- 1-Propanaminium, N,N,N-trimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, iodide (1:1)	335-90-0	
- Octanamide, N-(3-aminopropyl)-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-	85938-56-3	
- 1-Propanesulfonic acid, 3-[ethyl(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, sodium salt (1:1)	89685-61-0	
- Nonene, heptadecafluoro-1-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]-	84029-60-7	
- Glycine, N-ethyl-N-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)-, ammonium salt	138473-79-7	
- Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-(14-hydroxy-3,6,9,12-tetraoxatetradec-1-yl)-	89932-71-8	
- Ethanaminium, N,N,N-trimethyl-2-[(2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-1-oxooctyl)amino]-, chloride (1:1)	178766-44-4	
- Octanamide, N-[3-(dimethylamino)propyl]-2,2,3,3,	376-23-8	

물질명	CAS 등록번호	비고
4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro- - 1-Pentanaminium, N,N,N-trimethyl-5- [(2,2,3,3,4, 4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)ami no]-, iodide (1:1)	91707-61-8	
- Octanamide, N-[3-(dimethyloxidoamino)propyl]-2, 2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-	30295-53-5	
- Pyridinium, 1-[2-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pen tadecafluoro-1-oxooctyl)amino]ethyl]-, chloride (1:1)	308-01-0	
- Pyridinium, 1-[2-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pen tadecafluoro-1-oxooctyl)amino]ethyl]-, bromide (1:1)	331755-02-3	
- Piperazinium, 1-(2-hydroxyethyl)-1-methyl-4- (2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-ox ooctyl)-, chloride (1:1)	103555-98-2	
- 1-Propanaminium, N-(carboxymethyl)-N,N-dimeth yl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro -1-oxooctyl)amino]-, inner salt	90179-39-8	
- 1-Propanaminium, N-(2-carboxyethyl)-3-[(2,2,3, 3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl) amino]-N,N-dimethyl-, inner salt	5158-52-1	
- Ethanesulfonic acid, 2-[ethyl(2,2,3,3,4,4,5,5,6,6, 7, 7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, potas sium salt (1:1)	57670-46-9	
- 1-Propanesulfonic acid, 3-[(3-aminopropyl) (2,2, 3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxoocty l)amino]-2-hydroxy-, sodium salt (1:1)	98900-76-6	
- Benzenesulfonic acid, 4-[[[3-(methylamino) propy l] (2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1- oxooctyl)amino]methyl]-, sodium salt (1:1)	98900-75-5	
- Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafl uoro-N-[3-(trimethoxysilyl)propyl]-	98046-76-5	
- Poly(oxy-1,2-ethanediyl), $\alpha$ -[dimethoxy[3-[(2,2, 3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxoocty l)amino]propyl]silyl]- $\omega$ -[[dimethoxy[3-[(2,2,3,3, 4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)a mino]propyl]silyl]oxy]-	154380-30-0	