

船井电机自主管理物质一览表 Ver. 6r20

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当存在或故意使用时，请包括任意可选的报告物质。

No.	Substances 物质名称		CAS No. CAS号	IEC62474	GADSL	Example of usage 用途
F001	含溴阻燃剂 (PBB, PBDE, HBCDD除外)	四溴双酚A (TBBPA)	79-94-7	○	○	阻燃剂, 复层印刷电路板, 连接器等
		二溴 (2, 6-二溴次苯基环氧)	69882-11-7	○		
		四十溴-p-二苯氧苯	58965-66-5	○		
		1, 2-双 (2, 4, 6-三溴苯氧基) 乙烷	37853-59-1	○		
		TBBA (结构未特定)	30496-13-0	○		
		TBBA (表氯醇低聚物)	40039-93-8	○		
		TBBA (TBBA-环氧甘油醚低聚物)	70682-74-5	○		
		TBBA (碳酸低聚物)	28906-13-0	○		
		BC-52四溴双酚A (TBBA碳酸低聚物, 苯氧端帽)	94334-64-2	○		
		BC-58四溴双酚A (TBBA碳酸低聚物, 2, 4, 6-三溴酚终止)	71342-77-3	○		
		TBBA双酚A碳酰氯聚合物	32844-27-2	○		
		溴化环氧树脂端帽, 三溴酚	139638-58-7	○		
		溴化环氧树脂端帽, 三溴酚	135229-48-0	○		
		TBBA-(2, 3-二溴丙醚)	21850-44-2	○	○	
		TBBA双-(2-羟乙醚)	4162-45-2	○		
		TBBA双 (烯丙醚)	25327-89-3	○		
		TBBA二甲基醚	37853-61-5	○		
		四溴双酚S	39635-79-5	○	○	
		TBBA双-(2, 3-二溴丙醚)	42757-55-1	○		
		2, 4-二溴酚	615-58-7	○		
		2, 4, 6-三溴酚	118-79-6	○		
		五溴酚	608-71-9	○		
		2, 4, 6-三溴苯烯丙醚	3278-89-5	○		
		三溴苯烯丙醚 (结构未特定)	26762-91-4	○		
		双 (甲基) 四溴邻苯二甲酸酯	55481-60-2	○		
		四溴邻苯二甲酸双 (2-乙基己基)	26040-51-7	○	○	
		2-羟基-丙基-2-(2-羟基-乙氧基)-乙基-TBP	20566-35-2	○		
		TBPA, 乙二醇-氧化丙烯酯	75790-69-1	○		
		N, N’ -乙烯-双-(四溴-酞酰亚胺)	32588-76-4	○	○	
		乙烯-双 (5, 6二溴降冰片烷-2, 3-乙二胺)	52907-07-0	○		
		2, 3-二溴-2-丁烯-1, 4-二醇	3234-02-4	○		
		二溴新戊烷基乙二醇	3296-90-0	○		
		2, 3-双溴丙醇	96-13-9	○	○	
		三溴新戊烷基乙醇	36483-57-5	○		
		聚三溴苯乙烯	57137-10-7	○		
		三溴苯乙烯	61368-34-1	○		
		二溴苯乙烯, PP接枝物	171091-06-8	○		
		聚二溴苯乙烯	31780-26-4	○		
		溴化/氯化石蜡类	68955-41-9	○		
		溴化/氯化 α 烯烃	82600-56-4	○		
		溴代乙烯	593-60-2	○		
		三 (2, 3-二溴丙基) 异氰脲酸酯	52434-90-9	○		
		三 (2, 4-二溴苯) 磷酸盐	49690-63-3	○		
		三 (三溴-新戊烷基) 磷酸盐	19186-97-1	○		
		氯, 溴化磷酸酯	125997-20-8	○		
		五溴甲苯	87-83-2	○		
		五溴-溴化苄	38521-51-6	○		
		溴化1, 3-丁二烯均聚物	68441-46-3	○		
		五溴苄基丙烯酸 (单体)	59447-55-1	○		
		五溴苄基丙烯酸酯聚合物	59447-57-3	○		
		十溴二苯乙烷	84852-53-9	○	○	
		三溴双苯顺丁烯二酰亚胺	59789-51-4	○		
		1, 2-二溴-4- (1, 2-二溴甲基) 环己烷	3322-93-8	○		
		TBPA Na盐	25357-79-3	○		
		四溴邻苯二甲酸酐	632-79-1	○		
		八溴-1-苯基-1, 3, 3-三甲基-1, 2-二氢茚	155613-93-7	○		
F002	聚氯乙烯 (PVC)	聚氯乙烯 (PVC)	9002-86-2			绝缘材料, 耐腐蚀性, 透明性等
F003	邻苯二甲酸酯 (DEHP, DBP, BBP, DIBP, DHNUP, DIHP除外)	邻苯二甲酸二乙酯	84-66-2			增塑剂, 染料, 颜料, 涂料, 油墨, 胶, 润滑剂
		邻苯二甲酸酐	85-44-9			
		邻苯二甲酸二辛酯	117-84-0	○	○	
		邻苯二甲酸二甲酯	131-11-3			
		邻苯二甲酸二丙酯	131-16-8			
		邻苯二甲酸二酯 (烷基 (碳原子数9-11))	68515-43-5			
		邻苯二甲酸酯 (分支烷基 (碳原子数4-13))	68951-39-3			
F004	铍和铍化合物	氧化铍	1304-56-9	○	○	陶瓷零件
F005	铈和铈化合物	铈	7440-36-0			颜料, 涂料, 催化剂, 无铅焊料, 安定剂, n型掺杂剂, 阻燃剂, 复合催化剂
		三氯化铈	10025-91-9			
		三氧化铈	1309-64-4		○	
		五氧化铈	1314-60-9			
		铈酸钠	15432-85-6			
F006	砷和砷化合物	砷	7440-38-2		○	颜料, 涂料, 染料, 玻璃消泡剂, 半导体电路板, 阻燃剂
		砷化镓	1303-00-0		○	
F007	铋和铋化合物	铋	7440-69-9			无铅焊料, 焊料
F008	硒和硒化合物	硒	7782-49-2		○	感光体, 颜料, 油墨, 催化剂, 氧化剂, 半导体材料, 受光光子, 光电材料
		亚硒酸	7783-00-8		○	

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F009	中链氯化石蜡 （碳原子数;14-17） 长链氯化石蜡 （碳原子数;18-30）	氯化石油脂	63449-39-8		○	阻燃剂, 加硫促进剂
		氯丁酸	85422-92-0		○	
		烷烃, C6-18, 氯	68920-70-7		○	
		烷烃, C10-21, 氯	84082-38-2		○	
		烷烃, C10-32, 氯	84776-06-7		○	
		烷烃, C16-27, 氯	84776-07-8		○	
		烷烃, C16-36, 氯	85049-26-9		○	
		氯代烷烃C14-17	85535-85-9	○	○	
		氯代烷烃C18-28	85535-86-0			
		烷烃, C12-14, 氯	85536-22-7		○	
		烷烃, C10-14, 氯	85681-73-8		○	
		烷烃, C10-26, 氯	97659-46-6		○	
		石蜡（石油），正常C> 10, 氯	97553-43-0		○	
		氯化碱18-20	106232-85-3			
		氯化石蜡	106232-86-4			
		聚氯代链烷烃（C20-32）	108171-27-3			
F010	含氯阻燃剂	双(六氯环戊二烯)环辛烷	13560-89-9	○	○	阻燃剂, 复层印刷电路板, 连接器等
F011	三氯苯	1, 2, 3-三氯苯	87-61-6			染料, 颜料的中间体
		1, 3, 5-三氯苯	108-70-3			
		1, 2, 4-三氯苯	120-82-1			
F012	焦油和杂酚油	杂酚油	8001-58-9		○	炭黑的制造, 防腐剂
F013	有机锡化合物 (三丁基锡, 三苯基锡除外)	乙酸三甲基锡	1118-14-5		○	重合催化剂, 树脂安定剂, 氧化防止剂, 杀菌剂, 接合剂
		二苯基硫化锡	20332-10-9			
F014	多环芳香烃（PAHs）	萘嵌戊烷	83-32-9			防腐剂, 润滑油
		1, 8-亚乙基萘	208-96-8			
		苯并(g, h, i) 花	191-24-2	○	○	
		荧蒽	206-44-0	○		
		芴	86-73-7			
		茚并(1, 2, 3-cd)比	193-39-5			
		萘	91-20-3		○	
		菲	1985/1/8	○	○	
F015	氰化合物	茈	129-00-0	○	○	颜料, 染料, 电镀, 塑料原料, 电镀处理剂
		氰化苯	100-47-0			
		丙烯腈	107-13-1		○	
		3-羟基丙腈	109-78-4			
		2, 6-二氯苄腈	1194-65-6			
		氰化铊(I)	13453-34-4			
		苯乙腈	140-29-4			
		氰化钠	143-33-9			
		氰化铜(II)	14763-77-0			
		氰化钾	151-50-8			
		氰氨化钙	156-62-7			
		氰化钡(II)	2035-66-7			
		氰化铯	21159-32-0			
		草净津	21725-46-2			
		氰胺	420-04-2			
		氰	460-19-5			
		氰化银(I)	506-64-9			
		氰化金(I)	506-65-0			
		溴化氰	506-68-3			
		氯化氰	506-77-4			
		碘化氰	506-78-5			
		氰化金(III)三水化合物	535-37-5			
		氰化金(III)	535-37-5			
		氰化钡	542-62-1		○	
		氰化钴(II)	542-84-7			
		氰化铜(I)	544-92-3			
		氰化镍(II)	557-19-7		○	
		氰化锌	557-21-1			
		氰化钙	592-01-8			
		氰化铂(II)	592-06-3			
		氢氰酸	74-90-8			
		三甲基氰硅烷	7677-24-9			
		氰酸钠	917-61-3			
F016	聚苯乙烯	聚苯乙烯	9003-53-6			缓冲材料, 梱包材料
F017	磷化氢	磷化氢	998-40-3			包装材料

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	1-Hexanesulfonyl bromide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	111393-39-6		○	
	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-dimethyl-	1270179-82-2		○	
	1-Hexanesulfonamide, N,N-diethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	1270179-93-5		○	
	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	○	○	
	Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-(2-oxiranylmethyl)	129813-71-4	○	○	
	β-Alanine, N-[3-(dimethylamino)propyl]-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehexyl)sulfonyl]-	141607-32-1		○	
	1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-	1427176-17-7		○	
	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-bis(2-methoxyethyl)-	1427176-20-2		○	
	Benzenamine, 4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehexyl)sulfonyl]-	147029-28-5		○	
	Fatty acids, C18-unsatd., trimers, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehexyl)sulfonyl]amino]ethyl esters	148240-80-6	○	○	
	Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1,6-diisocyanatohehexane homopolymer and ethylene glycol	148684-79-1	○	○	
	Benzene, 1-fluoro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehexyl)sulfonyl]-	149652-30-2		○	
	Benzoic acid, 2,3,4,5-tetrachloro-6-[[3-(hydroxyphenyl)amino]carbonyl]-, perfluoro-C6-8-alkanesulfonates (esters), monopotassium salts	160305-97-5		○	
	2-Propenoic acid, butyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate	160336-17-4		○	
	Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate	160901-25-7	○	○	
	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		○	
	Fatty acids, C18-unsatd., trimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters	161074-58-4		○	
	Sulfonamides, C4-8-alkane, perfluoro, N-(3-chloro-2-hydroxypropyl)-N-methyl	1645842-67-6		○	
	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		○	
	Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene	1645852-09-0		○	
	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		○	
	2-Propenoic acid, polymers with lauryl acrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate	1648534-82-0		○	
	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		○	
	2-Propenoic acid, 2-(methylamino)ethyl ester, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., polymers with propene	1648540-20-8		○	
	Benzene, 1-nitro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehexyl)sulfonyl]-	171561-95-8		○	
	1-Hexanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)	178094-71-8		○	
	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	○	○	
	Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl], potassium salts	179005-06-2	○	○	
	Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl]	179005-07-3		○	
	2-Propenoic acid, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehexyl)sulfonyl]amino]ethyl ester	1893-52-3	○	○	
	Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid	192662-29-6	○	○	
	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		○	
	Pyridinium, 1-[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehexyl)sulfonyl]amino]-, inner salt	254889-10-6		○	
	1-Hexanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	30295-56-8		○	
	Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxyoctadecanoic acid and 2,4-TDI, ammonium salts	306973-47-7	○	○	
	Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl]	306974-19-6	○	○	
	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	○	○	
	Sulfonic acids, C6-8-alkane, perfluoro, compds. with polyethylene-polypropylene glycol bis(2-aminopropyl) ether	306974-45-8	○	○	
	Fatty acids, C18-unsatd., dimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters	306974-63-0	○	○	
	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	○	○	
	Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy-, polymer with 1,6-diisocyanatohehexane, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides-blocked	306975-84-8	○	○	
	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	○	○	
	1-Hexadecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-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	○	○	
	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	○	○	

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	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, telomer with 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate and 1-octanethiol, N-oxides	306977-10-6	○	○	
	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	○	○	
	2-Propenoic acid, butyl ester, polymers with acrylamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride	306978-04-1	○	○	
	Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides- and stearyl alc.-blocked	306978-65-4	○	○	
	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	○	○	
	Sulfonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-	306980-27-8	○	○	
	1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-	34455-03-3	○	○	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	355-46-4	○	○	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)	3871-99-6	○	○	
	1-Propanaminium, 3-[(carboxymethyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]-N,N,N-trimethyl-, inner salt	38850-52-1	○	○	
	1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-3-[(3-sulfopropyl)[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]-, inner salt	38850-58-7	○	○	
	1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]-	38850-60-1	○	○	
	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	41997-13-1	○	○	
	1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	423-50-7	○	○	
	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		○	
	1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	50598-28-2	○	○	
	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, polymethylenepolyphenylene isocyanate and polypropylene glycol	507225-08-3		○	
	1-Propanaminium, N,N,N-trimethyl-3-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]-, chloride (1:1)	52166-82-2	○	○	
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)	55120-77-9	○	○	
	1-Hexanesulfonyl chloride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	55591-23-6		○	
	Poly(oxy-1,2-ethanediyl), α-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]ethyl]-ω-hydroxy-	56372-23-7	○	○	
	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-2-propen-1-yl-	67584-48-9	○	○	
	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]-, potassium salt (1:1)	67584-53-6	○	○	
	2-Propenoic acid, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]ethyl ester	67584-57-0	○	○	
	2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]ethyl ester	67584-61-6	○	○	
	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]ethyl ester	67906-70-1	○	○	
	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid	67906-71-2	○	○	
	2-Propenoic acid, 2-methyl-, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohehyl)sulfonyl]amino]butyl ester	67939-61-1	○	○	
	1-Hexanesulfonamide, N,N'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	67939-92-8	○	○	
	1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-(phosphonooxy)ethyl]-	67969-65-7	○	○	
	Hexane, 1-(ethenylsulfinyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	680187-85-3		○	
	Hexane, 1-(ethenylsulfonyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	680187-86-4		○	
	Carbamic acid, N,N'-(4-methyl-1,3-phenylene)bis-, bis[2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl] ester	68081-83-4	○	○	
	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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-tridecafluorohehyl)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, 2-methyloxirane polymer with oxirane di-2-propenoate, 2-methyloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol	68227-87-2	○	○	
	2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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-tridecafluorohehyl)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	○	○	

船井电机自主管理物质一览表 Ver. 6r20

船井的自主控制物质，不是皇家要求。
当存在或故意使用时，请包括任意可选的报告物质。

No.	Substances 物质名称		CAS No. CAS号	IEC62474	GADSL	Example of usage 用途
F018	全氟己烷-1-磺酸（PFHxS） 相关物质（不包括C175物质）	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-heptadecafluorooctyl)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	○	○	用作增塑剂，润滑剂，表面活性剂，湿润剂，缓蚀剂，并用于灭火泡沫
		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	○	○	
		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-heptadecafluorooctyl)sulfonyl]methylamino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 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-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[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate and 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-propenoate	68228-00-2	○	○	
		1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(4-hydroxybutyl)-N-methyl-	68239-74-7	○	○	
		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt (1:1)	68259-08-5	○	○	
		1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-	68259-15-4	○	○	
		Poly[oxy(methyl-1,2-ethanediyl)], α-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl]-ω-hydroxy-	68259-38-1	○	○	
		1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(phenylmethyl)-	68298-09-9	○	○	
		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-heptadecafluoroheptyl)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[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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[(1,1,2,2,3,3,4,4,5,5,6,6,6-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	68298-74-8		○	
		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-heptadecafluorooctyl)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[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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[(1,1,2,2,3,3,4,4,5,5,6,6,6-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	68298-78-2	○	○	
		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	○	○	
		2-Propenoic acid, 2-methyl-, 4-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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-heptadecafluorooctyl)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-yl)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]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	68299-39-8	○	○	
		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-heptadecafluorooctyl)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	○	○	
		Sulfonic acids, C6-12-alkane, perfluoro, potassium salts	68391-09-3	○	○	
		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	○	○	

船井电机自主管理物质一览表 Ver. 6r20

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当存在或故意使用时，请包括任意可选的报告物质。

No.	Substances 物质名称	CAS No. CAS号	IEC62474	GADSL	Example of usage 用途
	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-	68555-75-9	○	○	
	Polymer based on 67584-55-8	68555-90-8	○	○	
	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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	○	○	
	2-Propenoic acid, 2-methyl-, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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[(1,1,2,2,3,3,4,4,5,5,6,6,6-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	○	○	
	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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[(1,1,2,2,3,3,4,4,5,5,6,6,6-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	○	○	
	2-Propenoic acid, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, 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[(pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate and 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate (9CI)	68586-13-0		○	
	2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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-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 1-octanethiol	68586-14-1	○	○	
	Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with TDI	68608-13-9	○	○	
	Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene]	68608-14-0	○	○	
	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-, reaction products with N-ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,2,3,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide, polymethylenepolyphenylene isocyanate and stearyl alc.	68649-26-3	○	○	
	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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[(1,1,2,2,3,3,4,4,5,5,6,6,6-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	68797-76-2	○	○	
	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	○	○	
	2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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	○	○	
	2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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	○	○	

船井电机自主管理物质一览表 Ver. 6r20

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No.	Substances 物質名称		CAS No. CAS号	IEC62474	GADSL	Example of usage 用途
		2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)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 2-methyl-1,3-butadiene	68877-32-7	○	○	
		Chromium, diaquatetrachloro[μ-[N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]glycinato-κO:κO′]]-μ-hydroxybis(2-propanol)di-	68891-98-5	○	○	
		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	○	○	
		Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	68957-32-4	○	○	
		Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-, ethyl ester	68957-53-9	○	○	
		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	○	○	
		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	○	○	
		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	○	○	
		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	○	○	
		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-heptadecafluorooctyl)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[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-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	○	○	
		2-Propenoic acid, 2-methyl-, 2-[[[[2-methyl-5-[[[4-[methyl[(tridecafluorohexyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl ester (9CI)	70900-36-6		○	
		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-[methyl[(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[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-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-tridecafluorohexyl)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-[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 1-octanethiol	70900-40-2	○	○	
		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-[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 2-propenoic acid	71487-20-2	○	○	
		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	○	○	
		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	○	○	
		1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-[2-(2-hydroxyethoxy)ethoxy]ethyl]-	73772-34-6	○	○	
		Benzene, 1-chloro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-	76848-59-4		○	
		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		○	
		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	○	○	
		1-Propanaminium, N-(2-hydroxyethyl)-3-[(2-hydroxy-3-sulfopropyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N-dimethyl-, hydroxide, sodium salt (1:1:1)	81190-38-7	○	○	
		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt (1:1)	82382-12-5	○	○	
		1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-propyl-	85665-64-1	○	○	
		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	○	○	
		1-Hexanesulfinic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (2:1)	86525-30-6	○	○	

船井电机自主管理物质一览表 Ver. 6r20

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No.	Substances 物质名称		CAS No. CAS号	IEC62474	GADSL	Example of usage 用途
		Thiophene, 2-[2-[(tridecafluorohexyl)sulfonyl]ethenyl]-	86525-43-1	○	○	
		Furan, 2-[2-[(1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-tridecafluorohexyl)sulfonyl]ethenyl]-	86525-48-6	○	○	
		Benzene, 1-methyl-4-[2-[(1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-tridecafluorohexyl)sulfonyl]ethenyl]-	86525-51-1	○	○	
		Benzene, 1-methoxy-4-[2-[(1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-tridecafluorohexyl)sulfonyl]ethenyl]-	86525-52-2	○	○	
		Thiophene, 2-[1-(phenylthio)-2-[(1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-48-9	○	○	
		Furan, 2-[1-(phenylthio)-2-[(1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-49-0	○	○	
		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	○	○	
		Thiophene, 2-[1-(nitromethyl)-2-[(1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-55-8	○	○	
		Furan, 2-[1-(nitromethyl)-2-[(1, 1, 2, 2, 3, 3, 4, 4, 5, 5, 6, 6, 6-tridecafluorohexyl)sulfonyl]ethyl]-	89863-56-9	○	○	
		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	○	○	
		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	○	○	
		Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with epichlorohydrin, adipates (esters)	91081-99-1	○	○	
		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	○	○	
		Sulfonic acids, C6-12-alkane, perfluoro	93572-72-6	○	○	
		Sulfonamides, C4-8-alkane, perfluoro, N-[4, 7-dimethyl-4-[[(1-methylpropylidene)amino]oxy]-3, 5-dioxa-6-aza-4-silanon-6-en-1-yl]-N-ethyl	944578-05-6	○	○	