

Date- 2019 年 8 月 30 日



EXCEL CELL ELECTRONIC CO., LTD.
NO.20,25RD., TAICHUNG IND. PARK,
TAICHUNG, TAIWAN,
[Web site: http://www.ece.com.tw](http://www.ece.com.tw)

REACH Substances of Very High Concern Declaration 歐洲 REACH 規範 SVHC 高關注物質宣告書

In accordance with the declaration of ECHA Member State Committee in 16th of JULY 2019, please be advised that following Excel Cell Electronic Co., Ltd products are compliant with the regulation of REACH Substances of Very High Concern (SVHC).

依據歐洲化學總署(ECHA)之會員國委員會於2019年7月16日公告，
本公司茲確認以下產品完全符合歐洲 REACH 規範之 SVHC 高關注物質，並作保證：

品名項目 ITEM	系列規格 SERIES
DIP SWITCH	EHS SERIES
	EHP SERIES
	EAH/EAD SERIES
	EDG/EDS SERIES
	ERD/ERD7 SERIES
	ETD/ETA/ETS SERIES
	EAM/ESD/ESL SERIES
	EPH/EPA/EPG/EPS SERIES
	EPM/EPD SERIES
SLIDE SWITCH	ESP/ESP42 SERIES



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REACH Substances of Very High Concern list / **REACH**規範SVHC高關注物質清單
2008年10月28日公佈 / issued on 28th of October 2008

Substance identification			Threshold (ppm)
Substance name (15)	CAS number	EC number	
Anthracene[蒽](一種碳氫化合物,由煤焦油提煉而成,可用來製造染料及有機化學制品)	120-12-7	204-371-1	1000
4,4'-Diaminodiphenylmethane (MDA)[4,4'-二胺基苯化甲烷]	101-77-9	202-974-4	1000
Dibutyl phthalate(DBP) [鄰苯二甲酸二丁酯]	84-74-2	201-557-4	1000
Cobalt dichloride[氯化亞鈷]	7646-79-9	231-589-4	1000
Diarsenic pentaoxide[五氧化二砷]	1303-28-2	215-116-9	1000
Diarsenic trioxide[三氧化二砷]	1327-53-3	215-481-4	1000
Sodium dichromate,dihydrate [重鉻酸鈉]	10588-01-9 7789-12-0	234-190-3	1000
5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene) [二甲苯麝香]	81-15-2	201-329-4	1000
Bis(2-ethyl(hexyl)phthalate) (DEHP) [鄰苯二甲酸二(乙基己基)酯]	117-81-7	204-211-0	1000
Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane [六溴環十二烷]	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	247-148-4 and 221-695-9	1000
Alkanes,C10-13,chloro (Short Chain Chlorinated Paraffins) [C10-13 氯化石蠟]	85535-84-8	287-476-5	1000
Bis(tributyltin)oxide(TBTO) [氧化雙三丁基錫]	56-35-9	200-268-0	1000
Lead hydrogen arsenate [砷酸氫鉛]	7784-40-9	232-064-2	1000
Triethyl arsenate[三乙砷酸酯]	15606-95-8	427-700-2	1000
Benzyl butyl phthalate(BBP) [鄰苯二甲酸丁苄酯]	85-68-7	201-622-7	1000



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2010 年 01 月 13 日公佈 / issued on 13th of January 2010

Substance identification			Threshold (ppm)
Substance name (14)	CAS number	EC number	
Anthracene oil*3 [蔥油]	90640-80-5	292-602-7	1000
Anthracene oil,anthracene paste,distn Lights*3[蔥油、蔥糊、輕油]	91995-17-4	295-278-5	1000
Anthracene oil,anthracene paste,anthracene fraction*3 [蔥油、蔥糊、蔥餾分]	91995-15-2	295-275-9	1000
Anthracene oil,anthracene-low*3 [蔥油、含蔥量少]	90640-82-7	292-604-8	1000
Anthracene oil,anthracene paste*3 [蔥油、蔥糊]	90640-81-6	292-603-2	1000
Pitch,coal tar,high-temp*3 [煤瀝青，高溫]	65996-93-2	266-028-2	1000
Aluminosilicate,Refractory Ceramic Fibres [矽酸鋁，耐火陶瓷纖維]	-	650-017-00-8**	1000
Zirconia Aluminosilicate, Refractory Ceramic Fibres [鋯矽酸鋁，耐火陶瓷纖維]	-	650-017-00-8**	1000
Diisobutyl phthalate(DIBP) [鄰苯二甲酸二異丁酯]	84-69-5	201-553-2	1000
2,4-Dinitrotoluene [2,4-二硝基甲苯]	121-14-2	204-450-0	1000
Tris(2-chloroethyl) phosphate [磷酸三(2-氯乙基)酯]	115-96-8	204-118-5	1000
Lead chromate [鉻酸鉛]	7758-97-6	231-846-0	1000
Lead chromate molybdate sulphate red(C.I Pigment Red 104) 紅色鉬鉻酸鉛硫酸鹽：顏料紅 104	12656-85-8	235-759-9	1000
Lead sulfochromate yellow (C.I Pigment Yellow 34) 黃色硫化鉻酸鉛：顏料黃 34	1344-37-2	215-693-7	1000



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2010 年 06 月 18 日公佈 / issued on 18th of June 2010

Substance identification			Threshold (ppm)
Substance name (9)	CAS number	EC number	
Acrylamide [丙烯醯胺]	79-06-1	201-173-7	1000
Trichloroethylene [三氯乙烯]	79-01-6	201-167-4	1000
Boric acid [硼酸]	10043-35-3 11113-50-1	233-139-2 234-343-4	1000
Disodium tetraborate, anhydrous [無水四硼酸二鈉]	1330-43-4 12179-04-3 1303-96-4	215-540-4	1000
Tetraboron disodium heptaoxide,hydrate [水合硼酸鈉]	12267-73-1	235-541-3	1000
Sodium chromate [鉻酸鈉]	7775-11-3	231-889-5	1000
Potassium chromate [鉻酸鉀]	7789-00-6	232-140-5	1000
Ammonium dichromate [重鉻酸銨]	7789-09-5	232-143-1	1000
Potassium dichromate [重鉻酸鉀]	7778-50-9	231-906-6	1000



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2010 年 12 月 15 日公佈 / issued on 15th of December 2010

Substance identification			Threshold (ppm)
Substance name (9)	CAS number	EC number	
Cobalt(II)sulphate [硫酸鈷]	10124-43-3	233-334-2	1000
Cobalt(II)dinitrate [硝酸鈷]	10141-05-6	233-402-1	1000
Cobalt(II)carbonate [碳酸鈷]	513-79-1	208-169-4	1000
Cobalt(II)diacetate [醋酸鈷]	71-48-7	200-755-8	1000
2-Methoxyethanol [乙二醇單甲醚]	109-86-4	203-713-7	1000
2-Ethoxyethanol [乙二醇單乙醚]	110-80-5	203-804-1	1000
Chromium trioxide [三氧化鉻]	1333-82-0	215-607-8	1000
Chromic acid [鉻酸] (及其寡聚體)	7738-94-5	231-801-5	1000
Dichromic acid [重鉻酸] (及其寡聚體)	13530-68-2	236-881-5	1000



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2011 年 06 月 20 日公佈 / issued on 20th of June 2011

Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
2-ethoxyethyl acetate[乙二醇乙醚乙酸酯]	111-15-9	203-839-2	1000
Strontium chromate [鉻酸鋇]	7789-06-2	232-142-6	1000
1,2-Benzenedicarboxylic acid,di-C7-11-branched and linear alkyl esters [鄰苯二甲酸二(C7-11 支鏈與直鏈)烷基酯]	68515-42-4	271-084-6	1000
Hydrazine [聯氨]	7803-57-8 302-01-2	206-114-9	1000
1-methyl-2-pyrrolidone[N-甲基吡咯烷酮]	872-50-4	212-828-1	1000
1,2,3-trichloropropane [1,2,3-三氯丙烷]	96-18-4	202-486-1	1000
1,2-Benzenedicarboxylic acid,di-C6-8-branched alkyl esters,C7-rich [鄰苯二甲酸二(C6-8 支鏈與直鏈)烷基酯，富 C7]	71888-89-6	276-158-1	1000



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2011 年 12 月 19 日公佈 / issued on 19th of December 2011

Substance identification			Threshold (ppm)
Substance name (12)	CAS number	EC number	
Dichromium tris (chromate) [鉻酸鉻]	24613-89-6	246-356-2	1000
Phenolphthalein [酚酞]	77-09-8	201-004-7	1000
2,2'-dichloro-4,4'-methylenedianiline [2,2'-二氯-4,4'-二氨基二苯基甲烷]	101-14-4	202-918-9	1000
Lead styphnate [中性斯蒂酚酸鉛]	15245-44-0	239-290-0	1000
Lead diazide , Lead azide [疊氮化鉛]	13424-46-9	236-542-1	1000
Bis(2- methoxyethyl) phthalate [鄰苯二甲酸雙(2-甲氧基乙基)酯]	117-82-8	204-212-6	1000
Formaldehyde , oligomeric reaction products with aniline [甲醛與苯胺的寡聚反應物]	25214-70-4	500-036-1	1000
4-(1,1,3,3-tetramethylbutyl)phenol 4-tert-Octylphenol [對特辛基苯酚 / 辛基酚]	140-66-9	205-426-2	1000
Pentazinc chromate octahydroxide [八氫氧化五鉻酸鋅]	49663-84-5	256-418-0	1000
1,2-Dichloroethane [1,2 - 二氯乙烷]	107-06-2	203-458-1	1000
Trilead diarsenate [砷酸鉛]	3687-31-8	222-979-5	1000
2-Methoxyaniline ; o-Anisidine [鄰甲氧基苯胺]	90-04-0	201-963-1	1000



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Substance identification			Threshold (ppm)
Substance name (8)	CAS number	EC number	
Arsenic acid [砷酸]	7778-39-4	231-901-9	1000
N, N-dimethylacetamide [N,N-二甲基乙醯胺]	127-19-5	204-826-4	1000
Lead dipicrate [苦味酸鉛]	6477-64-1	229-335-2	1000
Potassium hydroxyoctaoxodizincatedichromate [氫氧化鉻酸鋅鉀]	11103-86-9	234-329-8	1000
Calcium arsenate [砷酸鈣]	7778-44-1	231-904-5	1000
Bis(2-methoxyethyl)ether [雙(2-甲氧基乙基)醚]	111-96-6	203-924-4	1000
Aluminosilicate Refractory Ceramic Fibres (RCF) [矽酸鋁,耐火陶瓷纖維] (主要成分濃度於可變範圍內)	NA	NA	1000
Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) [鋯矽酸鋁,耐火陶瓷纖維] (主要成分濃度於可變範圍內)	NA	NA	1000



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Substance identification			Threshold (ppm)
Substance name (9)	CAS number	EC number	
1,2-bis(2-methoxyethoxy)ethane (TEGDME ; triglyme) [三甘醇二甲醚]	112-49-2	203-977-3	1000
1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME) [乙二醇二甲醚]	110-71-4	203-794-9	1000
Formamide [甲醯胺]	75-12-7	200-842-0	1000
Lead(II) bis(methanesulfonate) [甲基磺酸鉛(II)]	17570-76-2	401-750-5	1000
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione(TGIC) [異氰尿酸三縮水甘油酯]	2451-62-9	219-514-3	1000
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione(β -TGIC) [異氰尿酸 β -三縮水甘油酯]	59653-74-6	423-400-0	1000
4,4'-bis(dimethylamino)benzophenone (Michler's ketone) [米氏酮 4,4'-雙(二甲氨基)二苯甲酮]	90-94-8	202-027-5	1000
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) [米氏鹼(N,N,N',N'-(對二甲氨基)-4,4'-二苯基甲烷)	101-61-1	202-959-2	1000
Diboron trioxide [三氧化二硼]	1303-86-2	215-125-8	1000



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2012 年 06 月 18 日公佈 / issued on 18th of June 2012

Substance identification			Threshold (ppm)
Substance name (4)	CAS number	EC number	
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]-cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue26)[with ≥0.1% of <Michler's ketone(EC No. 202-027-5)or Michler's base (EC No. 202-959-2)] [C.I.鹼性藍 26(4-[[4-苯胺基-1-萘基][4-(二甲基胺基)苯基]亞甲基]環己-2,5-二烯-1-亞基)二甲基氯化銨]	2580-56-5	219-943-6	1000
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)[with ≥0.1% of <Michler's ketone(EC No. 202-027-5)or Michler's base (EC No. 202-959-2)] [C.I.鹼性紫 3]	548-62-9	208-953-6	1000
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol % of <Michler's ketone(EC No. 202-027-5)or Michler's base (EC No. 202-959-2)] [C.I.溶劑紫 8(4,4'-二[(二甲氨基)苯基]-4-甲氨基苯甲醇)	561-41-1	209-218-2	1000
α, α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)% of <Michler's ketone(EC No. 202-027-5)or Michler's base (EC No. 202-959-2)] [C.I.溶劑藍 4 α, α -雙[4-(二甲基胺基)苯基]-4-(苯基胺基)-1-萘甲醇]	6786-83-0	229-851-8	1000



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2012 年 12 月 19 日公佈 / issued on 19th of December 2012

Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
Bis(pentabromophenyl)ether(DecaBDE) [十溴聯苯醚]	1163-19-5	214-604-9	1000
Pentacosafuorotridecanoic acid [全氟十三酸]	72629-94-8	276-745-2	1000
Tricosafuorododecanoic acid [全氟十二酸]	307-55-1	206-203-2	1000
Henicosafuoroundecanoic acid [全氟十一酸]	2058-94-8	218-165-4	1000
Heptacosafuorotetradecanoic acid [全氟十四酸]	376-06-7	206-803-4	1000
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCBsubstances, polymers and homologues [4-(1,1,3,3-四甲基丁基)苯酚, 乙氧基 - 以及所有的 的被定義的物質, 未知成分或可變成分的物 質, 聚合物和同系物]	-	-	1000
4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4to phenol, covering also UVCB- and well-defined substances which include any of the individual [分支或線性的壬基酚, 包括含有9個碳烷基鏈 的所有獨立的同分異構體和所有含有線性或分 支9個碳烷基鏈的UVCB物質]	-	-	1000



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Substance identification			Threshold (ppm)
Substance name (14)	CAS number	EC number	
Cyclohexane-1,2-dicarboxylic anhydride (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride,trans- cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) 六氫苯二甲酸酐	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	1000
Hexahydromethylphthalic anhydride, [甲基六氫苯酐]	25550-51-0	247-094-1	1000
Hexahydro-4-methylphthalic anhydride [4-甲基六氫苯酐]	19438-60-9	243-072-0	1000
Hexahydro-1-methylphthalic anhydride [1-甲基六氫苯酐]	48122-14-1	256-356-4	1000
Hexahydro-3-methylphthalic anhydride [3-甲基六氫苯酐]	57110-29-9	260-566-1	1000
Methoxy acetic acid[甲氧基乙酸]	625-45-6	210-894-6	1000
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear [支鏈和直鏈1,2-苯二羧二戊酯]	84777-06-0	284-032-2	1000
Diisopentylphthalate [鄰苯二甲酸二異戊酯]	605-50-5	210-088-4	1000
N-pentyl-isopentylphthalate [鄰苯二甲酸正戊基異戊基酯]	776297-69-9	-	1000
1,2-Diethoxyethane[乙二醇二乙醚]	629-14-1	211-076-1	1000
N,N-dimethylformamide; dimethyl formamide [N,N- 二甲基甲醯胺]	68-12-2	200-679-5	1000
Dibutyltin dichloride (DBTC)[二氯二丁基錫]	683-18-1	211-670-0	1000
Acetic acid, lead salt, basic[城式醋酸鉛*1]	51404-69-4	257-175-3	1000
Trilead bis(carbonate)dihydroxide (basic lead carbonate)[城式碳酸鉛*1]	1319-46-6	215-290-6	1000



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Substance identification			Threshold (ppm)
Substance name (15)	CAS number	EC number	
Lead oxide sulfate [城式硫酸鉛*1]	12036-76-9	234-853-7	1000
[Phthalato(2-)]dioxotrilead [[1,2-苯二羧酸根合]二氧化三鉛*1]	69011-06-9	273-688-5	1000
Dioxobis(stearato)trilead [雙(十八酸基)二氧代三鉛*1]	12578-12-0	235-702-8	1000
Fatty acids, C16-18, lead salts [C16-18-脂肪酸鉛鹽*1]	91031-62-8	292-966-7	1000
Lead cyanamidate [氨基氰鉛鹽*1]	20837-86-9	244-073-9	1000
Lead dinitrate [硝酸鉛*1]	10099-74-8	233-245-9	1000
Lead oxide (lead monoxide) [氧化鉛*1]	1317-36-8	215-267-0	1000
Lead tetroxide (orange lead) [四氧化鉛*1]	1314-41-6	215-235-6	1000
Pentalead tetraoxide sulphate [氧化鉛與硫酸鉛的複合物*1]	12065-90-6	235-067-7	1000
Silicic acid, lead salt [矽酸鉛*1]	11120-22-2	234-363-3	1000
Sulfurous acid, lead salt, dibasic [亞硫酸鉛 (II)*1]	62229-08-7	263-467-1	1000
Tetraethyllead [四乙基鉛*1]	78-00-2	201-075-4	1000
Tetralead trioxide sulphate [三鹼式硫酸鉛/ C.I. 顏料白*1]	12202-17-4	235-380-9	1000
Lead bis(tetrafluoroborate) [四氟硼酸鉛(II)*1]	13814-96-5	237-486-0	1000
Lead titanium trioxide [鈦酸鉛*1]	12060-00-3	235-038-9	1000



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REACH Substances of Very High Concern list / **REACH 規範SVHC 高關注物質清單**
2012 年 12 月 19 日公佈 / issued on 19th of December 2012

Substance identification			Threshold (ppm)
Substance name (14)	CAS number	EC number	
Lead Titanium Zirconium Oxide [鈦酸鉛鋯*1]	12626-81-2	235-727-4	1000
Pyrochlore, antimony lead yellow [C.I.顏料黃 41*1]	8012-00-8	232-382-1	1000
Trilead dioxide phosphonate [磷酸氧化鉛*1]	12141-20-7	235-252-2	1000
Silicic acid, barium salt, lead-doped [矽酸鋇 (含矽酸鉛)*1]	68784-75-8	272-271-5	1000
Furan [呋喃]	110-00-9	203-727-3	1000
Propylene oxide; 1,2-epoxypropane; methyloxirane [環氧丙烷]	75-56-9	200-879-2	1000
Diethyl sulphate[硫酸二乙酯]	64-67-5	200-589-6	1000
Dimethyl sulphate[硫酸二甲酯]	77-78-1	201-058-1	1000
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine [3-乙基-2-甲基-2-(3-甲基丁基)-1,3-惡唑烷]	143860-04-2	421-150-7	1000
Dinoseb [2-(1-甲基丙基)-4,6-二硝基苯酚]	88-85-7	201-861-7	1000
4,4'-methylenedi-o-toluidine [4,4'-二氨基-3,3'-二甲基聯苯基甲烷]	838-88-0	212-658-8	1000
4,4'-oxydianiline and its salts [4,4'-二氨基二苯醚]	101-80-4	202-977-0	1000
4-Aminoazobenzene; 4-Phenylazoaniline [4-苯基偶氮基苯胺]	60-09-3	200-453-6	1000
4-methyl-m-phenylenediamine (2,4-toluenediamine) [2,4-二氨基甲苯]	95-80-7	202-453-1	1000



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REACH Substances of Very High Concern list / **REACH 規範SVHC 高關注物質清單**
2012 年 12 月 19 日公佈 / issued on 19th of December 2012

Substance identification			Threshold (ppm)
Substance name (8)	CAS number	EC number	
6-methoxy-m-toluidine (p-cresidine) [3-甲基-6-甲氧基苯胺]	120-71-8	204-419-1	1000
Biphenyl-4-ylamine [4-胺基聯苯]	92-67-1	202-177-1	1000
O-aminoazotoluene [鄰氨基偶氮甲苯]	97-56-3	202-591-2	1000
o-Toluidine; 2-Aminotoluene [鄰甲苯胺]	95-53-4	202-429-0	1000
N-methylacetamide [N-甲基乙醯胺]	79-16-3	201-182-6	1000
1-bromopropane [正丙基溴]	106-94-5	203-445-0	100
Phenylmercury acetate Phenylmercury propionate Phenylmercury 2-ethylhexanoate Phenylmercury octanoate Phenylmercury neodecanoate 醋酸苯汞 丙酸苯汞 異辛酸苯汞 辛酸苯汞 新癸酸苯汞	62-38-4 103-27-5 13302-00-6 13864-38-5 26545-49-3	200-532-5 203-094-3 236-326-7 247-783-7	1000
Diazene-1,2-dicarboxamide(C,C-azodi(formamide)) 偶氮[二]甲醯胺	123-77-3	204-650-4	1000



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2013 年 06 月 20 日公佈 / issued on 20th of June 2013

Substance identification			Threshold (ppm)
Substance name (6)	CAS number	EC number	
Cadmium 鎘	7440-43-9	231-152-8	1000
Cadmium oxide 氧化鎘	1306-19-0	215-146-2	1000
Ammonium pentadecafluorooctanoate(APFO) 全氟辛酸銨	3825-26-1	223-320-4	1000
Pentadecafluorooctanoic acid(PFOA) 全氟辛酸	335-67-1	206-397-9	1000
Dipentyl phthalate (DPP) 鄰苯二甲酸二戊酯	131-18-0	205-017-9	1000
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] 分支或線性的乙氧基壬基酚, 包括含有 9 個碳烷基鏈的所有獨立的同分異構體和所有含有線性或分支 9 個碳烷基鏈的 UVCB 物質	-	-	1000



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REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2013 年 12 月 16 日公佈 / issued on 16th of December 2013

Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
Cadmium sulphide 硫化鎘	1306-23-6	215-147-8	1000
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I.Direct Red 28) 直接紅 28	573-58-0	209-358-4	1000
Dihexyl phthalate 鄰苯二甲酸二己酯	84-75-3	201-559-5	1000
Imidazolidine-2-thione;(2-imidazoline-2-thiol) 亞乙基硫脲	96-45-7	202-506-9	1000
Trixylyl phosphate 磷酸三(二甲苯)酯	25155-23-1	246-677-8	100
Lead di(acetate) 醋酸鉛	301-04-2	206-104-4	1000
Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]azo]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate(C.I.Direct Black 38) 直接黑 38	1937-37-7	217-710-3	1000



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REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2014 年 6 月 16 日公佈 / issued on 16th of JUNE 2014

Substance identification			Threshold (ppm)
Substance name (4)	CAS number	EC number	
氯化鎘 Cadmium chloride	10108-64-2	233-296-7	1000
鄰苯二甲酸二己酯 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	1000
過硼酸鈉 Sodium peroxometaborate	7632/4/7	231-556-4	1000
過硼酸鈉水合物 Sodium perborate; perboric acid, sodium salt	-	239-172-9 234-390-0	1000

REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2014 年 12 月 17 日公佈 / issued on 17th of December 2014

Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
氟化鎘 Cadmium fluoride	7790-79-6	232-222-0	1000
硫化鎘 Cadmium sulphat	10124-36-4 31119-53-6	233-331-6	1000
2-[2-羥基-3',5'-二-叔-丁基苯基]-苯並三唑 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	1000
2-(2'-羥基-3',5'-二-叔-戊基苯基)苯並三唑 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	1000
二正辛基-双(2-乙基己基巰基乙酸酯)錫 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	1000
二正辛基-双(2-乙基己基巰基乙酸酯)錫和單辛基-三(2-乙基己基巰基乙酸酯)錫的反應物 reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-	1000
1,4-二氯苯 1,4-Dichlorobenzene	106-46-7		1000



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REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2015 年 6 月 15 日公佈 / issued on 15th of JUNE 2015

Substance identification			Threshold (ppm)
Substance name (2)	CAS number	EC number	
<p>鄰苯二甲酸二(C6-C6)烷基酯：(癸基，己基，辛基)酯與 1，2-鄰苯二甲酸的複合物且鄰苯二甲酸二己酯含量≥0.3%</p> <p>1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate</p>	<p>68515-51-5 68648-93-1</p>	<p>271-094-0 272-013-1</p>	1000
<p>5-仲丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二噁烷[1]，5-仲丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二噁烷[2] [覆蓋任何 [1]和[2]或者其任意組合的單獨的異構體 (卡拉花醛及其同分易構物)]</p> <p>5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]</p>	-	-	1000



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2015 年 12 月 17 日公佈 / issued on 17th of December 2015

Substance identification			Threshold (ppm)
Substance name (5)	CAS number	EC number	
1,3-丙烷磺內酯 1,3-propanesultone	1120-71-4	214-317-9	1000
紫外线吸收剂 UV-327;2-(2'-羟基-3',5'-二叔丁基苯基)-5-氯代苯并三唑 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	1000
2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 (紫外线吸收剂 UV-350) 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	1000
硝基苯 Nitrobenzene	98-95-3	202-716-0	1000
全氟壬酸及其钠和铵盐 Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	1000

REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2016 年 6 月 20 日公佈 / issued on 20th of JUNE 2016

Substance identification			Threshold (ppm)
Substance name (1)	CAS number	EC number	
苯并[a]芘 Benzo[def]chrysene(Benzo[a]pyrene)	50-32-8	200-028-5	1000



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REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2017 年 1 月 12 日公佈 / issued on 12th of JANUARY 2017

Substance identification			Threshold (ppm)
Substance name (4)	CAS number	EC number	
雙酚 A 4,4'-isopropylidenediphenol(bisphenol A)	80-05-7	201-245-8	1000
支鏈及直鏈 4-庚基苯酚烷基直鍊及/或支鏈以 7 個碳共價於酚的對位,含蓋所有由單一或多種異構物組合的明確定義物質及 UVCB 物質 4-Heptylphenol, branched and linear[substances with a linear and/orbranched alkyl chain with a carbonnumber of 7 covalently boundpredominantly in position 4 to phenol,covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] (bisphenol A)	-	-	1000
全氟癸酸, 及其鈉與銨鹽 全氟癸酸銨 全氟癸酸鈉 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	-	1000
對(1,1-二甲基丙基)苯酚 p-(1,1-dimethylpropyl) phenol	80-46-6	201-280-9	1000

REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2017 年 7 月 7 日公佈 / issued on 7th of JULY 2017

Substance identification			Threshold (ppm)
Substance name (1)	CAS number	EC number	
全氟己-1-磺酸及其鹽類 Perfluorohexane-1-sulphonic acid and its salts	-	-	1000



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REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2018 年 1 月 15 日公佈 / issued on 15th of JANUARY 2018

Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
1,2-苯并菲; (【++快】) Chrysene 1,2 并菲; (【++快】)	218-01-9	205-923-4	1000
苯[a]蔥 Benz[a]anthracene	56-55-3	200-280-6	1000
硝酸鎘 Cadmium nitrate	10325-94-7	233-710-6	1000
氫氧化鎘 Cadmium hydroxide	21041-95-2	244-168-5	1000
碳酸鎘 Cadmium carbonate	513-78-0	208-168-9	1000
1,6,7,8,9,14,15,16,17,17,18,18-十二氯五環 [12.2.1.16,9.02,13.05,10]十八碳-7,15-二烯 (“Dechlorane Plus” TM) [含有其任何單獨的反 式和順式異構體或其任何組合] 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octa deca-7,15-diene (“Dechlorane Plus” TM) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	1000
1,3,4-噻二唑-2,5-二硫醇與甲醛和支鏈和直鏈 4-庚基酚的反應產物(RP-HP) [含有≥0.1%w/w 支鏈和直鏈的 4-庚基酚] Reaction products of 1,3,4-thiadiazolidine-2,5- dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	-	1000



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REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2018 年 6 月 27 日公佈 / issued on 27th of JUNE 2018

Substance identification			Threshold (ppm)
Substance name (10)	CAS number	EC number	
1,2,4-苯三甲酸酐 Benzene-1,2,4-tricarboxylic acid 1,2anhydride (trimellitic anhydride; TMA)	552-30-7	209-008-0	1000
苯并[g,h,i]芘 Benzo[ghi]perylene	191-24-2	205-883-8	1000
十甲基環五矽氧烷 Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	1000
鄰苯二甲酸二環己酯 Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	1000
八硼酸二鈉 Disodium octaborate	12008-41-2	234-541-0	1000
十二甲基環六矽氧烷 Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	1000
乙二胺 Ethylenediamine (EDA)	107-15-3	203-468-6	1000
鉛 Lead	7439-92-1	231-100-4	1000
八甲基環四矽氧烷 Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	1000
氫化聯三苯 Terphenyl, hydrogenated	61788-32-7	262-967-7	1000



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REACH Substances of Very High Concern list / REACH 規範SVHC 高關注物質清單
2019 年 1 月 15 日公佈 / issued on 15th of JANUARY 2019

Substance identification			Threshold (ppm)
Substance name (6)	CAS number	EC number	
2,2-雙(4-羥基苯基)-4-甲基戊烷 2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	1000
苯駢(k)螢蔥 Benzo[k]fluoranthene	207-08-9	205-916-6	1000
苯駢芴 Fluoranthene	206-44-0	205-912-4	1000
菲 Phenanthrene	85-01-8	201-581-5	1000
芘 Pyrene	129-00-0	2204-927-3	1000
1,7,7-三甲基-3-(苯亞甲基)雙環[2,2,1]庚-2-酮 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	239-139-9	1000



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2019 年 7 月 16 日公佈 / issued on 16th of JULY 2019

Substance identification			Threshold (ppm)
Substance name (6)	CAS number	EC number	
三(4-壬基苯基，支鍊和直鍊)亞磷酸酯 (TNPP) (4-壬基酚 4-NP，支鍊和直鍊濃度 ≥ 0.1%重量比) Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--		1000
4-叔丁基苯酚 4-tert-butylphenol	98-54-4	202-679-0	1000
2-甲氧基乙酸乙酯 2-methoxyethyl acetate	110-49-6	203-772-9	1000
2,3,3,3-四氟-2-(七氟丙氧基)丙酸，即其鹽類與鹵化酯類(包括它們各自的異構物及其組合) 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	--		1000

Date- 2019 年 8 月 30 日



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REACH Substances of Very High Concern Declaration 歐洲 REACH 規範 SVHC 高關注物質宣告書

In accordance with the declaration of ECHA Member State Committee in 16th of JULY 2019, please be advised that following Excel Cell Electronic Co., Ltd products are compliant with the regulation of REACH Substances of Very High Concern (SVHC).

依據歐洲化學總署(ECHA)之會員國委員會於2019年7月16日公告，
本公司茲確認以下產品完全符合歐洲 REACH 規範之 SVHC 高關注物質，並作保證：

品名項目 ITEM	系列規格 SERIES
RESETTABLE FUSE	ERF SERIES



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REACH Substances of Very High Concern list / **REACH**規範SVHC高關注物質清單
2008年10月28日公佈 / issued on 28th of October 2008

Substance identification			Threshold (ppm)
Substance name (15)	CAS number	EC number	
Anthracene[蒽](一種碳氫化合物,由煤焦油提煉而成,可用來製造染料及有機化學制品)	120-12-7	204-371-1	1000
4,4'-Diaminodiphenylmethane (MDA)[4,4'-二胺基苯化甲烷]	101-77-9	202-974-4	1000
Dibutyl phthalate(DBP) [鄰苯二甲酸二丁酯]	84-74-2	201-557-4	1000
Cobalt dichloride[氯化亞鈷]	7646-79-9	231-589-4	1000
Diarsenic pentaoxide[五氧化二砷]	1303-28-2	215-116-9	1000
Diarsenic trioxide[三氧化二砷]	1327-53-3	215-481-4	1000
Sodium dichromate,dihydrate [重鉻酸鈉]	10588-01-9 7789-12-0	234-190-3	1000
5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene) [二甲苯麝香]	81-15-2	201-329-4	1000
Bis(2-ethyl(hexyl)phthalate) (DEHP) [鄰苯二甲酸二(乙基己基)酯]	117-81-7	204-211-0	1000
Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane [六溴環十二烷]	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	247-148-4 and 221-695-9	1000
Alkanes,C10-13,chloro (Short Chain Chlorinated Paraffins) [C10-13 氯化石蠟]	85535-84-8	287-476-5	1000
Bis(tributyltin)oxide(TBTO) [氧化雙三丁基錫]	56-35-9	200-268-0	1000
Lead hydrogen arsenate [砷酸氫鉛]	7784-40-9	232-064-2	1000
Triethyl arsenate[三乙砷酸酯]	15606-95-8	427-700-2	1000
Benzyl butyl phthalate(BBP) [鄰苯二甲酸丁苄酯]	85-68-7	201-622-7	1000



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2010 年 01 月 13 日公佈 / issued on 13th of January 2010

Substance identification			Threshold (ppm)
Substance name (14)	CAS number	EC number	
Anthracene oil*3 [蔥油]	90640-80-5	292-602-7	1000
Anthracene oil,anthracene paste,distn Lights*3[蔥油、蔥糊、輕油]	91995-17-4	295-278-5	1000
Anthracene oil,anthracene paste,anthracene fraction*3 [蔥油、蔥糊、蔥餾分]	91995-15-2	295-275-9	1000
Anthracene oil,anthracene-low*3 [蔥油、含蔥量少]	90640-82-7	292-604-8	1000
Anthracene oil,anthracene paste*3 [蔥油、蔥糊]	90640-81-6	292-603-2	1000
Pitch,coal tar,high-temp*3 [煤瀝青，高溫]	65996-93-2	266-028-2	1000
Aluminosilicate,Refractory Ceramic Fibres [矽酸鋁，耐火陶瓷纖維]	-	650-017-00-8**	1000
Zirconia Aluminosilicate, Refractory Ceramic Fibres [鋯矽酸鋁，耐火陶瓷纖維]	-	650-017-00-8**	1000
Diisobutyl phthalate(DIBP) [鄰苯二甲酸二異丁酯]	84-69-5	201-553-2	1000
2,4-Dinitrotoluene [2,4-二硝基甲苯]	121-14-2	204-450-0	1000
Tris(2-chloroethyl) phosphate [磷酸三(2-氯乙基)酯]	115-96-8	204-118-5	1000
Lead chromate [鉻酸鉛]	7758-97-6	231-846-0	1000
Lead chromate molybdate sulphate red(C.I Pigment Red 104) 紅色鉬鉻酸鉛硫酸鹽：顏料紅 104	12656-85-8	235-759-9	1000
Lead sulfochromate yellow (C.I Pigment Yellow 34) 黃色硫化鉻酸鉛：顏料黃 34	1344-37-2	215-693-7	1000



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Substance identification			Threshold (ppm)
Substance name (9)	CAS number	EC number	
Acrylamide [丙烯醯胺]	79-06-1	201-173-7	1000
Trichloroethylene [三氯乙炔]	79-01-6	201-167-4	1000
Boric acid [硼酸]	10043-35-3 11113-50-1	233-139-2 234-343-4	1000
Disodium tetraborate, anhydrous [無水四硼酸二鈉]	1330-43-4 12179-04-3 1303-96-4	215-540-4	1000
Tetraboron disodium heptaoxide,hydrate [水合硼酸鈉]	12267-73-1	235-541-3	1000
Sodium chromate [鉻酸鈉]	7775-11-3	231-889-5	1000
Potassium chromate [鉻酸鉀]	7789-00-6	232-140-5	1000
Ammonium dichromate [重鉻酸銨]	7789-09-5	232-143-1	1000
Potassium dichromate [重鉻酸鉀]	7778-50-9	231-906-6	1000



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Substance identification			Threshold (ppm)
Substance name (9)	CAS number	EC number	
Cobalt(II)sulphate [硫酸鈷]	10124-43-3	233-334-2	1000
Cobalt(II)dinitrate [硝酸鈷]	10141-05-6	233-402-1	1000
Cobalt(II)carbonate [碳酸鈷]	513-79-1	208-169-4	1000
Cobalt(II)diacetate [醋酸鈷]	71-48-7	200-755-8	1000
2-Methoxyethanol [乙二醇單甲醚]	109-86-4	203-713-7	1000
2-Ethoxyethanol [乙二醇單乙醚]	110-80-5	203-804-1	1000
Chromium trioxide [三氧化鉻]	1333-82-0	215-607-8	1000
Chromic acid [鉻酸] (及其寡聚體)	7738-94-5	231-801-5	1000
Dichromic acid [重鉻酸] (及其寡聚體)	13530-68-2	236-881-5	1000



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2011 年 06 月 20 日公佈 / issued on 20th of June 2011

Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
2-ethoxyethyl acetate[乙二醇乙醚乙酸酯]	111-15-9	203-839-2	1000
Strontium chromate [鉻酸鋇]	7789-06-2	232-142-6	1000
1,2-Benzenedicarboxylic acid,di-C7-11-branched and linear alkyl esters [鄰苯二甲酸二(C7-11 支鏈與直鏈)烷基酯]	68515-42-4	271-084-6	1000
Hydrazine [聯氨]	7803-57-8 302-01-2	206-114-9	1000
1-methyl-2-pyrrolidone[N-甲基吡咯烷酮]	872-50-4	212-828-1	1000
1,2,3-trichloropropane [1,2,3-三氯丙烷]	96-18-4	202-486-1	1000
1,2-Benzenedicarboxylic acid,di-C6-8-branched alkyl esters,C7-rich [鄰苯二甲酸二(C6-8 支鏈與直鏈)烷基酯，富 C7]	71888-89-6	276-158-1	1000



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Substance identification			Threshold (ppm)
Substance name (12)	CAS number	EC number	
Dichromium tris (chromate) [鉻酸鉻]	24613-89-6	246-356-2	1000
Phenolphthalein [酚酞]	77-09-8	201-004-7	1000
2,2'-dichloro-4,4'-methylenedianiline [2,2'-二氯-4,4'-二氨基二苯基甲烷]	101-14-4	202-918-9	1000
Lead styphnate [中性斯蒂酚酸鉛]	15245-44-0	239-290-0	1000
Lead diazide , Lead azide [疊氮化鉛]	13424-46-9	236-542-1	1000
Bis(2- methoxyethyl) phthalate [鄰苯二甲酸雙(2-甲氧基乙基)酯]	117-82-8	204-212-6	1000
Formaldehyde , oligomeric reaction products with aniline [甲醛與苯胺的寡聚反應物]	25214-70-4	500-036-1	1000
4-(1,1,3,3-tetramethylbutyl)phenol 4-tert-Octylphenol [對特辛基苯酚 / 辛基酚]	140-66-9	205-426-2	1000
Pentazinc chromate octahydroxide [八氫氧化五鉻酸鋅]	49663-84-5	256-418-0	1000
1,2-Dichloroethane [1,2 - 二氯乙烷]	107-06-2	203-458-1	1000
Trilead diarsenate [砷酸鉛]	3687-31-8	222-979-5	1000
2-Methoxyaniline ; o-Anisidine [鄰甲氧基苯胺]	90-04-0	201-963-1	1000



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Substance identification			Threshold (ppm)
Substance name (8)	CAS number	EC number	
Arsenic acid [砷酸]	7778-39-4	231-901-9	1000
N, N-dimethylacetamide [N,N-二甲基乙醯胺]	127-19-5	204-826-4	1000
Lead dipicrate [苦味酸鉛]	6477-64-1	229-335-2	1000
Potassium hydroxyoctaoxodizincatedichromate [氫氧化鉻酸鋅鉀]	11103-86-9	234-329-8	1000
Calcium arsenate [砷酸鈣]	7778-44-1	231-904-5	1000
Bis(2-methoxyethyl)ether [雙(2-甲氧基乙基)醚]	111-96-6	203-924-4	1000
Aluminosilicate Refractory Ceramic Fibres (RCF) [矽酸鋁,耐火陶瓷纖維] (主要成分濃度於可變範圍內)	NA	NA	1000
Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) [鋯矽酸鋁,耐火陶瓷纖維] (主要成分濃度於可變範圍內)	NA	NA	1000



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Substance identification			Threshold (ppm)
Substance name (9)	CAS number	EC number	
1,2-bis(2-methoxyethoxy)ethane (TEGDME ; triglyme) [三甘醇二甲醚]	112-49-2	203-977-3	1000
1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME) [乙二醇二甲醚]	110-71-4	203-794-9	1000
Formamide [甲醯胺]	75-12-7	200-842-0	1000
Lead(II) bis(methanesulfonate) [甲基磺酸鉛(II)]	17570-76-2	401-750-5	1000
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione(TGIC) [異氰尿酸三縮水甘油酯]	2451-62-9	219-514-3	1000
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione(β -TGIC) [異氰尿酸 β -三縮水甘油酯]	59653-74-6	423-400-0	1000
4,4'-bis(dimethylamino)benzophenone (Michler's ketone) [米氏酮 4,4'-雙(二甲氨基)二苯甲酮]	90-94-8	202-027-5	1000
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) [米氏鹼(N,N,N',N'-(對二甲氨基)-4,4'-二苯基甲烷)	101-61-1	202-959-2	1000
Diboron trioxide [三氧化二硼]	1303-86-2	215-125-8	1000



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Substance identification			Threshold (ppm)
Substance name (4)	CAS number	EC number	
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]-cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue26)[with ≥0.1% of <Michler's ketone(EC No. 202-027-5)or Michler's base (EC No. 202-959-2)] [C.I.鹼性藍 26(4-[[4-苯胺基-1-萘基][4-(二甲基胺基)苯基]亞甲基]環己-2,5-二烯-1-亞基)二甲基氯化銨]	2580-56-5	219-943-6	1000
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)[with ≥0.1% of <Michler's ketone(EC No. 202-027-5)or Michler's base (EC No. 202-959-2)] [C.I.鹼性紫 3]	548-62-9	208-953-6	1000
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol % of <Michler's ketone(EC No. 202-027-5)or Michler's base (EC No. 202-959-2)] [C.I.溶劑紫 8(4,4'-二[(二甲氨基)苯基]-4-甲氨基苯甲醇)	561-41-1	209-218-2	1000
α, α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)% of <Michler's ketone(EC No. 202-027-5)or Michler's base (EC No. 202-959-2)] [C.I.溶劑藍 4 α, α -雙[4-(二甲基胺基)苯基]-4-(苯基胺基)-1-萘甲醇]	6786-83-0	229-851-8	1000



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Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
Bis(pentabromophenyl)ether(DecaBDE) [十溴聯苯醚]	1163-19-5	214-604-9	1000
Pentacosafuorotridecanoic acid [全氟十三酸]	72629-94-8	276-745-2	1000
Tricosafuorododecanoic acid [全氟十二酸]	307-55-1	206-203-2	1000
Henicosafuoroundecanoic acid [全氟十一酸]	2058-94-8	218-165-4	1000
Heptacosafuorotetradecanoic acid [全氟十四酸]	376-06-7	206-803-4	1000
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCBsubstances, polymers and homologues [4-(1,1,3,3-四甲基丁基)苯酚, 乙氧基 - 以及所有的 的被定義的物質, 未知成分或可變成分的物 質, 聚合物和同系物]	-	-	1000
4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4to phenol, covering also UVCB- and well-defined substances which include any of the individual [分支或線性的壬基酚, 包括含有9個碳烷基鏈 的所有獨立的同分異構體和所有含有線性或分 支9個碳烷基鏈的UVCB物質]	-	-	1000



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Substance identification			Threshold (ppm)
Substance name (14)	CAS number	EC number	
Cyclohexane-1,2-dicarboxylic anhydride (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride,trans- cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) 六氫苯二甲酸酐	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	1000
Hexahydromethylphthalic anhydride, [甲基六氫苯酐]	25550-51-0	247-094-1	1000
Hexahydro-4-methylphthalic anhydride [4-甲基六氫苯酐]	19438-60-9	243-072-0	1000
Hexahydro-1-methylphthalic anhydride [1-甲基六氫苯酐]	48122-14-1	256-356-4	1000
Hexahydro-3-methylphthalic anhydride [3-甲基六氫苯酐]	57110-29-9	260-566-1	1000
Methoxy acetic acid[甲氧基乙酸]	625-45-6	210-894-6	1000
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear [支鏈和直鏈1,2-苯二羧二戊酯]	84777-06-0	284-032-2	1000
Diisopentylphthalate [鄰苯二甲酸二異戊酯]	605-50-5	210-088-4	1000
N-pentyl-isopentylphthalate [鄰苯二甲酸正戊基異戊基酯]	776297-69-9	-	1000
1,2-Diethoxyethane[乙二醇二乙醚]	629-14-1	211-076-1	1000
N,N-dimethylformamide; dimethyl formamide [N,N- 二甲基甲酰胺]	68-12-2	200-679-5	1000
Dibutyltin dichloride (DBTC)[二氯二丁基錫]	683-18-1	211-670-0	1000
Acetic acid, lead salt, basic[城式醋酸鉛*1]	51404-69-4	257-175-3	1000
Trilead bis(carbonate)dihydroxide (basic lead carbonate)[城式碳酸鉛*1]	1319-46-6	215-290-6	1000



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Substance identification			Threshold (ppm)
Substance name (15)	CAS number	EC number	
Lead oxide sulfate [城式硫酸鉛*1]	12036-76-9	234-853-7	1000
[Phthalato(2-)]dioxotrilead [[1,2-苯二羧酸根合]二氧化三鉛*1]	69011-06-9	273-688-5	1000
Dioxobis(stearato)trilead [雙(十八酸基)二氧代三鉛*1]	12578-12-0	235-702-8	1000
Fatty acids, C16-18, lead salts [C16-18-脂肪酸鉛鹽*1]	91031-62-8	292-966-7	1000
Lead cyanamidate [氨基氰鉛鹽*1]	20837-86-9	244-073-9	1000
Lead dinitrate [硝酸鉛*1]	10099-74-8	233-245-9	1000
Lead oxide (lead monoxide) [氧化鉛*1]	1317-36-8	215-267-0	1000
Lead tetroxide (orange lead) [四氧化鉛*1]	1314-41-6	215-235-6	1000
Pentalead tetraoxide sulphate [氧化鉛與硫酸鉛的複合物*1]	12065-90-6	235-067-7	1000
Silicic acid, lead salt [矽酸鉛*1]	11120-22-2	234-363-3	1000
Sulfurous acid, lead salt, dibasic [亞硫酸鉛 (II)*1]	62229-08-7	263-467-1	1000
Tetraethyllead [四乙基鉛*1]	78-00-2	201-075-4	1000
Tetralead trioxide sulphate [三鹼式硫酸鉛/ C.I. 顏料白*1]	12202-17-4	235-380-9	1000
Lead bis(tetrafluoroborate) [四氟硼酸鉛(II)*1]	13814-96-5	237-486-0	1000
Lead titanium trioxide [鈦酸鉛*1]	12060-00-3	235-038-9	1000



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Substance identification			Threshold (ppm)
Substance name (14)	CAS number	EC number	
Lead Titanium Zirconium Oxide [鈦酸鉛鋯*1]	12626-81-2	235-727-4	1000
Pyrochlore, antimony lead yellow [C.I.顏料黃 41*1]	8012-00-8	232-382-1	1000
Trilead dioxide phosphonate [磷酸氧化鉛*1]	12141-20-7	235-252-2	1000
Silicic acid, barium salt, lead-doped [矽酸鋇 (含矽酸鉛)*1]	68784-75-8	272-271-5	1000
Furan [呋喃]	110-00-9	203-727-3	1000
Propylene oxide; 1,2-epoxypropane; methyloxirane [環氧丙烷]	75-56-9	200-879-2	1000
Diethyl sulphate[硫酸二乙酯]	64-67-5	200-589-6	1000
Dimethyl sulphate[硫酸二甲酯]	77-78-1	201-058-1	1000
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine [3-乙基-2-甲基-2-(3-甲基丁基)-1,3-惡唑烷]	143860-04-2	421-150-7	1000
Dinoseb [2-(1-甲基丙基)-4,6-二硝基苯酚]	88-85-7	201-861-7	1000
4,4'-methylenedi-o-toluidine [4,4'-二氨基-3,3'-二甲基聯苯基甲烷]	838-88-0	212-658-8	1000
4,4'-oxydianiline and its salts [4,4'-二氨基二苯醚]	101-80-4	202-977-0	1000
4-Aminoazobenzene; 4-Phenylazoaniline [4-苯基偶氮基苯胺]	60-09-3	200-453-6	1000
4-methyl-m-phenylenediamine (2,4-toluenediamine) [2,4-二氨基甲苯]	95-80-7	202-453-1	1000



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2012 年 12 月 19 日公佈 / issued on 19th of December 2012

Substance identification			Threshold (ppm)
Substance name (8)	CAS number	EC number	
6-methoxy-m-toluidine (p-cresidine) [3-甲基-6-甲氧基苯胺]	120-71-8	204-419-1	1000
Biphenyl-4-ylamine [4-胺基聯苯]	92-67-1	202-177-1	1000
O-aminoazotoluene [鄰氨基偶氮甲苯]	97-56-3	202-591-2	1000
o-Toluidine; 2-Aminotoluene [鄰甲苯胺]	95-53-4	202-429-0	1000
N-methylacetamide [N-甲基乙醯胺]	79-16-3	201-182-6	1000
1-bromopropane [正丙基溴]	106-94-5	203-445-0	100
Phenylmercury acetate Phenylmercury propionate Phenylmercury 2-ethylhexanoate Phenylmercury octanoate Phenylmercury neodecanoate 醋酸苯汞 丙酸苯汞 異辛酸苯汞 辛酸苯汞 新癸酸苯汞	62-38-4 103-27-5 13302-00-6 13864-38-5 26545-49-3	200-532-5 203-094-3 236-326-7 247-783-7	1000
Diazene-1,2-dicarboxamide(C,C-azodi(formamide)) 偶氮[二] 甲醯胺	123-77-3	204-650-4	1000



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2013 年 06 月 20 日公佈 / issued on 20th of June 2013

Substance identification			Threshold (ppm)
Substance name (6)	CAS number	EC number	
Cadmium 鎘	7440-43-9	231-152-8	1000
Cadmium oxide 氧化鎘	1306-19-0	215-146-2	1000
Ammonium pentadecafluorooctanoate(APFO) 全氟辛酸銨	3825-26-1	223-320-4	1000
Pentadecafluorooctanoic acid(PFOA) 全氟辛酸	335-67-1	206-397-9	1000
Dipentyl phthalate (DPP) 鄰苯二甲酸二戊酯	131-18-0	205-017-9	1000
4-Nonylphenol,branched and linear,ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol,ethoxylated covering UVCB-and well-defined substances,polymers and homologues,which include any of the individual isomers and/or combinations thereof] 分支或線性的乙氧基壬基酚,包括含有 9 個碳烷基鏈的所有獨立的同分異構體和所有含有線性或分支 9 個碳烷基鏈的 UVCB 物質	-	-	1000



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2013 年 12 月 16 日公佈 / issued on 16th of December 2013

Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
Cadmium sulphide 硫化鎘	1306-23-6	215-147-8	1000
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I.Direct Red 28) 直接紅 28	573-58-0	209-358-4	1000
Dihexyl phthalate 鄰苯二甲酸二己酯	84-75-3	201-559-5	1000
Imidazolidine-2-thione;(2-imidazoline-2-thiol) 亞乙基硫脲	96-45-7	202-506-9	1000
Trixylyl phosphate 磷酸三(二甲苯)酯	25155-23-1	246-677-8	100
Lead di(acetate) 醋酸鉛	301-04-2	206-104-4	1000
Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]azo]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate(C.I.Direct Black 38) 直接黑 38	1937-37-7	217-710-3	1000



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2014 年 6 月 16 日公佈 / issued on 16th of JUNE 2014

Substance identification			Threshold (ppm)
Substance name (4)	CAS number	EC number	
氯化鎘 Cadmium chloride	10108-64-2	233-296-7	1000
鄰苯二甲酸二己酯 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	1000
過硼酸鈉 Sodium peroxometaborate	7632/4/7	231-556-4	1000
過硼酸鈉水合物 Sodium perborate; perboric acid, sodium salt	-	239-172-9 234-390-0	1000

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2014 年 12 月 17 日公佈 / issued on 17th of December 2014

Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
氟化鎘 Cadmium fluoride	7790-79-6	232-222-0	1000
硫化鎘 Cadmium sulphat	10124-36-4 31119-53-6	233-331-6	1000
2-[2-羥基-3',5'-二-叔-丁基苯基]-苯並三唑 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	1000
2-(2'-羥基-3',5'-二-叔-戊基苯基)苯並三唑 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	1000
二正辛基-双(2-乙基己基巰基乙酸酯)錫 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	1000
二正辛基-双(2-乙基己基巰基乙酸酯)錫和單辛基-三(2-乙基己基巰基乙酸酯)錫的反應物 reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-	1000
1,4-二氯苯 1,4-Dichlorobenzene	106-46-7		1000



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2015 年 6 月 15 日公佈 / issued on 15th of JUNE 2015

Substance identification			Threshold (ppm)
Substance name (2)	CAS number	EC number	
<p>鄰苯二甲酸二(C6-C6)烷基酯：(癸基，己基，辛基)酯與 1，2-鄰苯二甲酸的複合物且鄰苯二甲酸二己酯含量≥0.3%</p> <p>1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate</p>	<p>68515-51-5 68648-93-1</p>	<p>271-094-0 272-013-1</p>	1000
<p>5-仲丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二噁烷[1]，5-仲丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二噁烷[2] [覆蓋任何 [1]和[2]或者其任意組合的單獨的異構體 (卡拉花醛及其同分易構物)]</p> <p>5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]</p>	-	-	1000



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2015 年 12 月 17 日公佈 / issued on 17th of December 2015

Substance identification			Threshold (ppm)
Substance name (5)	CAS number	EC number	
1,3-丙烷磺內酯 1,3-propanesultone	1120-71-4	214-317-9	1000
紫外线吸收剂 UV-327;2-(2'-羟基-3',5'-二叔丁基苯基)-5-氯代苯并三唑 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	1000
2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑 (紫外线吸收剂 UV-350) 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	1000
硝基苯 Nitrobenzene	98-95-3	202-716-0	1000
全氟壬酸及其钠和铵盐 Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	1000

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2016 年 6 月 20 日公佈 / issued on 20th of JUNE 2016

Substance identification			Threshold (ppm)
Substance name (1)	CAS number	EC number	
苯并[a]芘 Benzo[def]chrysene(Benzo[a]pyrene)	50-32-8	200-028-5	1000



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2017 年 1 月 12 日公佈 / issued on 12th of JANUARY 2017

Substance identification			Threshold (ppm)
Substance name (4)	CAS number	EC number	
雙酚 A 4,4'-isopropylidenediphenol(bisphenol A)	80-05-7	201-245-8	1000
支鏈及直鏈 4-庚基苯酚烷基直鍊及/或支鏈以 7 個碳共價於酚的對位,含蓋所有由單一或多種異構物組合的明確定義物質及 UVCB 物質 4-Heptylphenol, branched and linear[substances with a linear and/orbranched alkyl chain with a carbonnumber of 7 covalently boundpredominantly in position 4 to phenol,covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] (bisphenol A)	-	-	1000
全氟癸酸, 及其鈉與銨鹽 全氟癸酸銨 全氟癸酸鈉 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	-	1000
對(1,1-二甲基丙基)苯酚 p-(1,1-dimethylpropyl) phenol	80-46-6	201-280-9	1000

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2017 年 7 月 7 日公佈 / issued on 7th of JULY 2017

Substance identification			Threshold (ppm)
Substance name (1)	CAS number	EC number	
全氟己-1-磺酸及其鹽類 Perfluorohexane-1-sulphonic acid and its salts	-	-	1000



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2018 年 1 月 15 日公佈 / issued on 15th of JANUARY 2018

Substance identification			Threshold (ppm)
Substance name (7)	CAS number	EC number	
1,2-苯并菲; (【++快】) Chrysene 1,2 并菲; (【++快】)	218-01-9	205-923-4	1000
苯[a]蔥 Benz[a]anthracene	56-55-3	200-280-6	1000
硝酸鎘 Cadmium nitrate	10325-94-7	233-710-6	1000
氫氧化鎘 Cadmium hydroxide	21041-95-2	244-168-5	1000
碳酸鎘 Cadmium carbonate	513-78-0	208-168-9	1000
1,6,7,8,9,14,15,16,17,17,18,18-十二氯五環 [12.2.1.16,9.02,13.05,10]十八碳-7,15-二烯 (“Dechlorane Plus” TM) [含有其任何單獨的反 式和順式異構體或其任何組合] 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octa deca-7,15-diene (“Dechlorane Plus” TM) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	1000
1,3,4-噻二唑-2,5-二硫醇與甲醛和支鏈和直鏈 4-庚基酚的反應產物(RP-HP) [含有≥0.1%w/w 支鏈和直鏈的 4-庚基酚] Reaction products of 1,3,4-thiadiazolidine-2,5- dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	-	1000



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2018 年 6 月 27 日公佈 / issued on 27th of JUNE 2018

Substance identification			Threshold (ppm)
Substance name (10)	CAS number	EC number	
1,2,4-苯三甲酸酐 Benzene-1,2,4-tricarboxylic acid 1,2anhydride (trimellitic anhydride; TMA)	552-30-7	209-008-0	1000
苯并[g,h,i]芘 Benzo[ghi]perylene	191-24-2	205-883-8	1000
十甲基環五矽氧烷 Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	1000
鄰苯二甲酸二環己酯 Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	1000
八硼酸二鈉 Disodium octaborate	12008-41-2	234-541-0	1000
十二甲基環六矽氧烷 Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	1000
乙二胺 Ethylenediamine (EDA)	107-15-3	203-468-6	1000
鉛 Lead	7439-92-1	231-100-4	1000
八甲基環四矽氧烷 Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	1000
氫化聯三苯 Terphenyl, hydrogenated	61788-32-7	262-967-7	1000



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2019 年 1 月 15 日公佈 / issued on 15th of JANUARY 2019

Substance identification			Threshold (ppm)
Substance name (6)	CAS number	EC number	
2,2-雙(4-羥基苯基)-4-甲基戊烷 2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	1000
苯駢(k)螢蔥 Benzo[k]fluoranthene	207-08-9	205-916-6	1000
苯駢芴 Fluoranthene	206-44-0	205-912-4	1000
菲 Phenanthrene	85-01-8	201-581-5	1000
芘 Pyrene	129-00-0	2204-927-3	1000
1,7,7-三甲基-3-(苯亞甲基)雙環[2,2,1]庚-2-酮 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	239-139-9	1000



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2019 年 7 月 16 日公佈 / issued on 16th of JULY 2019

Substance identification			Threshold (ppm)
Substance name (6)	CAS number	EC number	
三(4-壬基苯基，支鍊和直鍊)亞磷酸酯 (TNPP) (4-壬基酚 4-NP，支鍊和直鍊濃度 ≥ 0.1%重量比) Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--		1000
4-叔丁基苯酚 4-tert-butylphenol	98-54-4	202-679-0	1000
2-甲氧基乙酸乙酯 2-methoxyethyl acetate	110-49-6	203-772-9	1000
2,3,3,3-四氟-2-(七氟丙氧基)丙酸，即其鹽類與鹵化酯類(包括它們各自的異構物及其組合) 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	--		1000