

螢光燈/LED環境危害物質規範表

No.	Substance Name 禁用之物質名稱	Threshold Limit 最大含有量允許標準	Controlled Applications 限制範圍	Exemption Items 排除項目	MDL 偵測極限值
1	Lead and Lead Compounds(Pb) 鉛及鉛化合物	1.solders : <700ppm 2.other : <50ppm	All applications except those specified in exemptions 除排除條款外的所有用途	1. 玻璃基板、電子零件、螢光燈不銹鋼所用之玻璃材料 Lead in glass of cathode ray tubes, electronic components and fluorescent tubes 2. 合金成分： 鋼材 0.35 wt% 以下； 鋅合金 0.4 wt% 以下； 銅合金 4 wt% 以下；（此條除外條款將於2014/06/30取消） Lead as an alloying element in steel containing up to 0.35%, aluminium containing up to 0.4 % and as a copper alloy containing up to 4% lead by weight. (Exemptions Expiring 30 June 2014) 3. 部品、設備連接用的高熔點銲錫。（鉛為85wt%以上有鉛銲錫）（此條除外條款將於2014/6/30取消） Lead in high melting temperature type solders. (Exemptions Expiring 30 June 2014) 4. 用于服務器、存儲器和存儲系統中的鉛，用于交換、信號和傳輸，以及電信網絡管理的網絡基礎設施設備中焊料的鉛。（此條除外條款將於2010/12/31取消） Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission as well as network management for telecommunications. (Exemptions expiring 31 December 2010) 5. 電子陶瓷零件。 Lead in electronic ceramic parts (e.g. piezoelectric devices). 6. 順應針連接系統中的鉛。（此條除外條款將於2012/12/31 取消） Lead used in compliant pin connector systems. (Exemptions expiring 31 December 2012) 7. 用于熱傳導塊C-環的鍍覆材料中的鉛。 Lead as a coating material for the thermal c (Exemptions expiring 31 December 2012) 8. 光學玻璃、濾光玻璃。Lead in optical an 9. 微處理器針腳及封裝連接所使用的含兩種（鉛含量在80%-85%之間）（此條除外條款將於2012/12/31取消） Lead in solder consisting of more than two different elements used in electrical contacts for which high reliability required and which has no alternative materials (Exemptions Expiring 31 July 2014) 10. 玻璃基板、電子零件、螢光燈（此條除外條款將於2012/12/31取消） Exemption: 1. 特殊用途直管螢光燈中的汞（此條除外條款將於2012/12/31取消） Mercury in straight fluorescent lamps for special purpose. (Exemptions expiring 31 December 2012) • 小型冷陰極燈管（長度 < 500mm）不超過3mg • Mercury in short length (not over 500 mm) cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) not exceeding 3 mg per lamp. • 中型冷陰極燈管（長度 > 500mm, < 1500mm）不超過5mg • Mercury in medium length (over 500mm and not over 1500 mm) cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) not exceeding 5 mg per lamp. • 大型冷陰極燈管（長度 > 1500mm）不超過13mg • Mercury in long length (over 1500 mm) cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) not exceeding 13 mg per lamp.	2ppm
2	Cadmium and Cadmium Compounds(Cd) 鎘及鎘化合物	Banned	All applications except those specified in exemptions 除排除條款外的所有用途	1. 特殊用途直管螢光燈中的汞（此條除外條款將於2012/12/31取消） Mercury in straight fluorescent lamps for special purpose. (Exemptions expiring 31 December 2012) • 小型冷陰極燈管（長度 < 500mm）不超過3mg • Mercury in short length (not over 500 mm) cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) not exceeding 3 mg per lamp. • 中型冷陰極燈管（長度 > 500mm, < 1500mm）不超過5mg • Mercury in medium length (over 500mm and not over 1500 mm) cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) not exceeding 5 mg per lamp. • 大型冷陰極燈管（長度 > 1500mm）不超過13mg • Mercury in long length (over 1500 mm) cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) not exceeding 13 mg per lamp.	<2ppm
3	Mercury and Mercury Compounds(Hg) 汞及汞化合物	Banned	All applications except those specified in exemptions 除排除條款外的所有用途	1. 特殊用途直管螢光燈中的汞（此條除外條款將於2012/12/31取消） Mercury in straight fluorescent lamps for special purpose. (Exemptions expiring 31 December 2012) • 小型冷陰極燈管（長度 < 500mm）不超過3mg • Mercury in short length (not over 500 mm) cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) not exceeding 3 mg per lamp. • 中型冷陰極燈管（長度 > 500mm, < 1500mm）不超過5mg • Mercury in medium length (over 500mm and not over 1500 mm) cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) not exceeding 5 mg per lamp. • 大型冷陰極燈管（長度 > 1500mm）不超過13mg • Mercury in long length (over 1500 mm) cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) not exceeding 13 mg per lamp.	<2ppm
4	Hexavalent Chromium Compounds(Cr6+) 六價鉻	Banned	All applications 所有用途	-	<2ppm
5	Polybrominated Biphenyls(PBBs) 多溴聯苯	Banned	All applications 所有用途	-	<5ppm
6	Polybrominated Diphenyl Ethers(PBDEs) 多溴聯苯醚	Banned	All applications 所有用途	-	<5ppm
7	Tetrabromobisphenol A(TBBP-A) 四溴雙酚A	<900ppm	All applications 所有用途	-	
8	Perfluorooctane sulfonates(PFOS) 全氟辛烷磺酸	Banned	All applications 所有用途	-	
9	Perfluorooctyl acid(PFOA) and individual salt and esters of PFOA 全氟辛烷酸及其鹽類與酯類	Banned	All applications 所有用途	-	
10	Tributyl Tin Oxide(TBTO) 三丁基錫氧化錫	Banned	All applications 所有用途	-	10ppm
11	Tributyl Tins and Triphenyl Tins Compounds 三丁基錫類及三苯基錫類	Banned	All applications 所有用途	-	10ppm
12	Ozone Depleting Substances 臭氧層破壞物質(見附表一)	Banned	All applications 所有用途	-	1ppm
13	Polychlorinated Naphthalenes(PCN) 多氯萘	Banned	All applications 所有用途	-	10ppm
14	Short Chain Chlorinated Paraffins(C10-13)(SCCP) 短鏈氯化石蠟	Banned	All applications 所有用途	-	10ppm
15	Polychlorinated Biphenyls(PCB) 多氯聯苯	Banned	All applications 所有用途	-	10ppm
16	Polychlorinated Terphenyls(PCTs) 多氯三聯苯	Banned	All applications 所有用途	-	10ppm
17	Polyvinyl Chloride(PVC)and PVC Blends 聚氯乙烯	Banned	All applications 所有用途	-	
18	Hexachlorobenzene 六氯苯	Banned	All applications 所有用途	-	
19	Asbestos 石棉	Banned	All applications 所有用途	-	
20	Radioactive Substances 放射性物質	Banned	All applications 所有用途	-	
21	Azo Compounds 偶氮化合物	Banned	All applications 所有用途	-	5ppm
22	Mirex 滅蟻靈	Banned	All applications 所有用途	-	
23	Formaldehyde 甲醛	Banned	All applications 所有用途	-	
24	Halogenated dioxins and furans 鹵化戴奧辛及呋喃	Banned	All applications 所有用途	-	

25	Benzene 苯	Banned	All applications 所有用途	-	
26	DDT 滴滴涕	Banned	All applications 所有用途	-	
27	Aldrin 阿特靈	Banned	All applications 所有用途	-	
28	Endrin 安特靈	Banned	All applications 所有用途	-	
29	Dieldrin 地特靈	Banned	All applications 所有用途	-	
30	Bis(chloromethyl)Ether 二氯甲醚	Banned	All applications 所有用途	-	
31	Toxaphene 毒殺芬	Banned	All applications 所有用途	-	
32	Specified Amines 特定胺類(見附表二)	Banned	All applications 所有用途	-	
33	Chlordanes 氯丹	Banned	All applications 所有用途	-	
34	N,N'-ditolyl-p-phenylenediamine, N-tolyl-N'-xylyl-p-phenylenediamine, and N, N'-dixylyl-p-phenylenediamine 苯二胺類	Banned	All applications 所有用途	-	
35	2,4,6-tri-tert-butylphenol 2,4,6-第三丁酚	Banned	All applications 所有用途	-	10ppm
36	Yellow Phosphorus 黃磷	Banned	All applications 所有用途	-	
	Red Phosphorus 紅磷	<1000ppm	All applications 所有用途	-	
37	4-nitrodiphenyl and its salts 4-硝基聯苯及其鹽類	Banned	All applications 所有用途	-	
38	Arsenic and Arsenic Compounds(As) 砷及砷化合物	Banned	All applications except those specified in exemptions 除排除條款外的所有用途	1.Arsenic used in semiconductor substrates or as a dopant in semiconductors (e.g.IC - LED chips) 適用於半導體基材或其摻雜物(例如: IC - LED Chips) 2.Connec allow foil /Printed circuit	
39	Beryllium and Beryllium Compounds(Be) 鉍及鉍化合物	Banned	All applications 所有用途	-	
40	Beryllium copper 鉍青銅	Banned	All applications 所有用途	-	
41	Nickel and Nickel Compounds(Ni) 鎳及鎳化合物	Skin contact: 0.2g/cm2/week	Organic nickel and Skin contact 有機鎳以及人體接觸部位	-	
42	Polybrominated diphenyl oxide(PBDO) Polybrominated biphenyl oxide(PBBO) 聚溴二苯基氧化物及聚溴聯苯氧化物	Banned	All applications 所有用途	-	
43	Halogenated benzenes 鹵化苯化合物	Banned	All applications 所有用途	-	
44	Halogenated diarylalkanes 鹵化雙環烷類	Banned	All applications 所有用途	-	
45	Hexachlorobutadiene 六氯丁二烯	Banned	All applications 所有用途	-	
46	Hexachlorocyclohexane isomers(HCH) 六氯環己烷	Banned	All applications 所有用途	-	
47	Polychlorinated phenols and derivatives(ex:Tetrachlorophenol, Pentachlorophenol(PCPs)) 多氯酚及其衍生物(四氯酚, 五氯酚等)	Banned	All applications 所有用途	-	
48	Tri-(2,3-dibromo-propyl)phosphate 三(2,3-二溴丙基)-磷酸酯	Banned	All applications 所有用途	-	
49	Chlorophenols 氯酚	Banned	All applications 所有用途	-	
50	4,4'-Methylenebis(2-chloroaniline) 4,4'-亞甲雙(2-氯苯胺)	Banned	All applications 所有用途	-	
51	Medium Chain Chlorinated Paraffins(C14-17)(MCCP) 中鏈氯化石蠟	Banned	All applications 所有用途	-	
52	Hexabromocyclododecane(HBCDD) 六溴環十二烷	Banned	All applications 所有用途	-	
53	Brominated Flame Retardants(BFRs)(excluding PBBs, PBDEs, HBCD, TBPPA) 溴化耐燃劑(多溴聯苯, 多溴聯苯醚, 六溴環十二烷, 四 溴雙酚以外的溴化耐燃劑)	Banned	All applications 所有用途	-	
54	Triclosan 三氯沙	Banned	All applications 所有用途	-	
55	Specific Chlorinated Hydrocarbons 特定氯化烴(見附表三)	Banned	All applications 所有用途	-	
56	Specific Halogenated Diphenyl Methanes 特定鹵化聯苯(見附表四)	Banned	All applications 所有用途	-	10ppm
57	Poly fluoro carbon(PFC) 全氟化碳	Banned	All applications 所有用途	-	
58	Alkylphenols 烷基酚	Banned	All applications 所有用途	-	
59	Ethylene oxide 環氧乙烷	Banned	All applications 所有用途	-	
60	Kelthane 三氯殺醇	Banned	All applications 所有用途	-	
61	all synthetic musks (including Musk ketone and Musk xylene) 所有合成麝香及二甲苯麝香	Banned	All applications 所有用途	-	
62	Nonylphenol/ethoxylates(NP/NPEs)and related substances 壬基酚與壬基酚聚氧乙稀醚及相關物質	Banned	All applications 所有用途	-	
63	Specific Phthalates 特定鄰苯二甲酸酯類(見附表五)	Banned	All applications 所有用途	-	10ppm
64	2-benzotriazol-2-yl-4,6-ditert-butyl-phenol 聚角二乙醚	Banned	All applications 所有用途	-	
65	Polycyclic aromatic hydrocarbons(PAHs) 多環芳香烴化合物	Banned	All applications 所有用途	-	0.1ppm
66	Brominated Flame Retardants(BFRs) 溴化耐燃劑	<1000ppm	All applications 所有用途	-	
67	Chlorinated Flame Retardants(CFRs) 氯化耐燃劑	<1000ppm	All applications 所有用途	-	
68	Bromine(Br)	<900ppm	All applications 所有用途	-	50ppm
69	Chlorine(Cl)	<900ppm	All applications 所有用途	-	50ppm
70	Total Bromine and Chlorine	<1500ppm	All applications 所有用途	-	50ppm
71	Aliphatic CHCs 脂肪族氯氫化合物	Banned	All applications 所有用途	-	1ppm

72	Ethylene glycol monomethyl ether 乙二醇甲醚及其酯類	Banned	All applications 所有用途	-	5ppm
73	Ethylene glycol monoethyl ether 乙二醇乙醚及其酯類	Banned	All applications 所有用途	-	5ppm
74	Bisphenol A 雙酚A	<25ppm	All applications 所有用途	-	
75	Bismuth and Bismuth Compounds(Bi) 鉍及鉍化合物	1000ppm	All applications except those specified in exemptions 除排除條款外的所有用途	EEFL Products EEFL產品	
76	Selenium and Selenium Compounds(Se) 硒及硒化合物	<100ppm	All applications 所有用途	-	
77	4-aminodiphenyl and its chloride 四-胺基聯苯及其鹽類	Banned	All applications 所有用途	-	
78	Halogenated aromatic substances for poly-halogenated aromatic substances 多鹵代芳香族化合物	<50ppm	All applications 所有用途	-	
79	Halogenated aromatic substances for mono-halogenated aromatic substances 單鹵代芳香族化合物	<50ppm	All applications 所有用途	-	
80	Hydrogen sulfide 硫化氫	Banned	All applications 所有用途	-	
81	Sulfur Hexafluoride 六氟化硫	Banned	All applications 所有用途	-	
82	2-naphthylamine/beta-naphthylamine and its chlorides B-萘胺及其鹽類(2-萘胺/β-萘胺及其鹽類)	Banned	All applications 所有用途	-	
83	Tris-(1-aziridinyl)phosphineoxide(TEPA) 三(阿啞基)氧化磷(三-阿啞基)	Banned	All applications 所有用途	-	
84	Specific Benzotriazole(CAS No.3846-71-7) 特定苯并三氮唑(CAS No.3846-71-7)	Banned	All applications 所有用途	-	
85	Cobalt Dichloride(CAS No.7646-79-9) 氯化鈷(CAS No.7646-79-9)	Banned	Skin contact 人體接觸部位	-	
86	Diarsenic trioxide(CAS No.1327-53-3) 三氧化二砷(CAS No.1327-53-3)	100ppm	All applications 所有用途	-	
87	Diarsenic pentaoxide(CAS No.1303-28-2) 五氧化二砷(CAS No.1303-28-2)	100ppm	All applications 所有用途	-	
88	Lead hydrogen arsenate(CAS No.7784-40-9) 砷酸氫鉛(CAS No.7784-40-9)	100ppm	All applications 所有用途	-	
89	Triethyl arsenate(CAS No.15606-95-8) 三乙基砷酸酯(CAS No.15606-95-8)	100ppm	All applications 所有用途	-	
90	Sodium dichromate(CAS No.7789-12-0) 重鉻酸鈉二水合物	Banned	All applications 所有用途	-	
91	Surfactants 表面活性劑 DTDMAC(CAS No.68783-78-8) DODMAC/DSDMAC(CAS No.107-64-2) DHTDMAC(CAS No.61789-80-8)	Total : 1000ppm	All applications 所有用途	-	
92	Dimethylfumurate(DMF) 富馬酸二甲酯	Banned	All applications 所有用途	-	
93	Trichlorobenzene 三氯苯	Banned	All applications 所有用途	-	
94	Antimony and Antimony Compounds(Sb) 錫及錫化合物	<700ppm	All applications 所有用途	-	
95	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Tris(2,3-dibromopropyl)phosphate 三(2,3-二溴丙基)磷酸鹽	Banned	All applications 所有用途		
96	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Benzene 苯	<5ppm	All applications 所有用途		
97	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Tris-(aziridinyl)phosphineoxide 3-γ-丙啞基-磷化氫的氧化物	Banned	All applications 所有用途		
98	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) 2-Naphthylamine 2-萘胺及其鹽	<1000ppm	All applications 所有用途		
99	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Benzidine 對二氨基聯苯及其鹽類	<1000ppm	All applications 所有用途		
100	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Ammonium sulphide 硫化銨	Banned	All applications 所有用途		
101	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Ammonium hydrogen sulphide 氫化銨	Banned	All applications 所有用途		
102	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Ammonium polysulphide 多硫化銨	Banned	All applications 所有用途		
103	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Methyl bromoacetate 溴乙酸甲酯	Banned	All applications 所有用途		
104	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Ethyl bromoacetate 溴乙酸乙酯	Banned	All applications 所有用途		
105	Special substance(Restricted in REACH) 特殊類物質(REACH法規限制的化學物質) Propyl bromoacetate 溴乙酸丙酯	Banned	All applications 所有用途		

106	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Butyl bromoacetate 溴乙酸丁酯	Banned	All applications 所有用途		
107	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 2-Naphthylamine 2-萘胺及鹽類	Banned	All applications 所有用途		
108	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Benzidine 對二氨基聯苯及其鹽類	Banned	All applications 所有用途		
109	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 4-Nitrophenyl 4-硝基聯苯	<1000ppm	All applications 所有用途		
110	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 4-Aminobiphenyl; xenylamine 4-氨基聯苯, 笨基笨胺及其鹽類	<1000ppm	All applications 所有用途		
111	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) (Di-N- oxo- di- nbutylstanniohydroxyborane) 二-n-氧-正丁基錫羥基硼烷	<1000ppm	All applications 所有用途		
112	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) dibutyltin hydrogen borate 二丁基錫氫硼烷	<1000ppm	All applications 所有用途		
113	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Monomethyl tetrachlorodiphenyl methane 單甲基四氯二笨基甲烷	Banned	All applications 所有用途		
114	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Monomethyl dichlorodiphenyl methane 單甲基二氯二笨基甲烷	Banned	All applications 所有用途		
115	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Monomethyl dibromodiphenyl methane 單甲基二溴二笨基甲烷	Banned	All applications 所有用途		
116	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 指令87/548/EEC 中風險標示為 45&R46&R49&R60&R6 標物質	Banned	All applications 所有用途		
117	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Creosote, coal tar, tar oils and anthracene substances 雜酚油, 石臘油, 蒸餾物	Banned	All applications 所有用途		
118	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) (Creosote oil, acenaphthene fraction; wash oil) 雜酚油, 厄的爾分	Banned	All applications 所有用途		
119	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) (Distillates (coal tar) upper, heavy Anthracene oil) 乾餾油	Banned	All applications 所有用途		
120	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Anthracene oil 意油	Banned	All applications 所有用途		
121	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) (Tar acids, coal, crude; crude phenols) 焦油酸	Banned	All applications 所有用途		
122	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) (Creosote, wood) 雜酚油, 木材	Banned	All applications 所有用途		
123	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Chloroform 氯仿	<1000ppm	All applications 所有用途		
124	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Carbon tetrachloride 四氯化碳	<1000ppm	All applications 所有用途		
125	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 1,1,2-Trichloroethane 1,1,2-三氯乙烷	<1000ppm	All applications 所有用途		
126	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 1,1,2,2-Tetrachloroethane 1,1,2,2-四氯乙烷	<1000ppm	All applications 所有用途		
127	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 1,1,1,2-Tetrachloroethane 1,1,1,2-四氯乙烷	<1000ppm	All applications 所有用途		
128	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Pentachloroethane 五氯乙烷	<1000ppm	All applications 所有用途		
129	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 1,1-Dichloroethylene 1,1-二氯乙炔	<1000ppm	All applications 所有用途		
130	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 1,1,1-Trichloroethane 1,1,1-三氯乙烷	<1000ppm	All applications 所有用途		
131	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Hexachloroethane 六氯乙烷	Banned	All applications 所有用途		
132	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Diphenylether, pentabromo derivative 二笨醚的五溴代衍生物	Banned	All applications 所有用途		
133	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Diphenylether, octabromo derivative 二笨醚的八溴代衍生物	Banned	All applications 所有用途		
134	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Toluene 甲苯	<1000ppm	All applications 所有用途		
135	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Trichlorobenzene 三氯笨	<1000ppm	All applications 所有用途		

136	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 2-(2-甲氧基乙氧基)乙醇 [DEGME]	Banned	All applications 所有用途		
137	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 2-(2-丁氧基乙氧基)乙醇 [DEGBE]	Banned	All applications 所有用途		
138	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 二苯基甲烷二異氰酸酯[MDI]	<1000ppm	All applications 所有用途		
139	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 環己烷	<1000ppm	All applications 所有用途		
140	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) 氯乙烯 (monomer vinyl chloride)	Banned	All applications 所有用途		
141	Special substance(Restricted in REACH) 特殊類物質 (REACH法規限制的化學物質) Tris (2,3 dibromopropyl) phosphate 三(2,3-二溴丙基)磷酸鹽	Banned	All applications 所有用途		
142	REACH SVHC (Substance of Very High Concern) (附 表六)	Please see the annex 6	All applications 所有用途		

(附表一)  
Ozone Layer Depleting Substances  
臭氧層破壞物質

Substance Name	CAS No.
Chlorofluorocarbons(CFCs)	-
Hydrochlorofluorocarbons(HCFCs)	-
Halons	-
1,1,1-Trichloroethane	-
Bromochloromethane	-
Carbon Tetrachloride	-
Methyl Bromide	-
Hydrobromofluorocarbons(HBFCs)	-
Hydrofluorocarbon(HFCs)	-

(附表二)  
Specified Amines  
特定胺化合物

Substance Name	CAS No.
4-aminodiphenyl	92-67-1
Benzidine	92-87-5
4-Chloro-o-toluidine	95-69-2
2-Naphthylamine	91-59-8
o-Aminoazotoluene	97-56-3
2-amino-4-nitrotoluene	99-55-8
p-Chloroaniline	106-47-8
2,4-diaminoanisole	615-05-4
4,4'-diaminodiphenylmethane	101-77-9
3,3'-Dichlorobenzidine	91-94-1
3,3'-Dimethoxybenzidine	119-90-4
3,3'-Dimethylbenzidine	119-93-7
3,3'-dimethyl-4,4'-diaminodiphenylmethane	838-88-0
p-cresidine	120-71-8
4,4' methylene-bis-(2-chloroaniline)	101-14-4
4,4'-oxideaniline	101-80-4
4,4'-Thiodianiline	139-65-1
o-Toluidine	95-53-4
2,4-Toluylenediamine	95-80-7
2,4,5-Trimethylaniline	137-17-7
o-Anisidine	90-04-0
4-Aminoazobenzene	60-09-3

(附表三)  
Specific Chlorinated Hydrocarbons  
特定氯化碳物質

Substance Name	CAS No.
1,1,1,2 Tetrachloroethane	79-34-5
1,1,1,2 Tetrachloroethane	630-20-6
Pentachloroethane	76-01-7
Trichloromethane/Chloroform	67-66-3
Dichloroethane	1300-21-6
1,2 Dichloroethane	107-06-2
1,1 Dichloroethylene	75-35-4
1,2 Dichloroethylene	540-59-0
cis-1,2 Dichloroethylene	156-59-2
1,1,2 Trichloroethane	79-00-5
Methylenechloride or Dichloromethane	75-09-2
Tetrachloroethylene	127-18-4
Trichloroethylene	79-01-6
1,3 Dichloropropene	542-75-6

(附表四)  
Specific Halogenated Diphenyl Methanes  
特定鹵化聯苯醚物質

Substance Name	CAS No.
Monomethyl tetrachlorodiphenyl methane (Ugilec 141) 單甲基四氯二苯基甲烷	76253-60-6
Monomethyl dichlorodiphenyl methane (Ugilec 121 or Ugilec 21) 單甲基二氯二苯基甲烷	81161-70-8
Monomethyl dibromodiphenyl methane(DBBT) 單甲基二溴二苯基甲烷	99788-47-8

(附表五)  
Specific Phthalates  
特定鄰苯二甲酸酯類

Substance Name	CAS No.
Di-iso-nonyl phthalate(DINP)	28553-12-0
Di-n-octyl phthalate(DNOP)	117-84-0
Di(2-ethylhexyl)-phthalate(DEHP)	117-81-7
Diisodecyl phthalate(DIDP)	26761-40-0
Butylbenzyl phthalate(BBP)	85-68-7
Dibutyl phthalate(DBP)	84-74-2
Di-n-hexyl phthalate(DNHP)	84-75-3

(附表六) <REACH SVHC>(Substance of Very High concern)

Item	Chemical(English)	Chemical( Chinese)	Formula	CAS No. (Chemical Abstract System)
1	4,4'-Methylenedianiline	4,4'-二氨基二苯甲烷	C <sub>12</sub> H <sub>14</sub> N <sub>2</sub>	101-77-9
2	TBTO	三丁基氧化錫	C <sub>24</sub> H <sub>54</sub> O <sub>3</sub> Sn <sub>2</sub>	56-35-9
3	BBP	鄰苯二甲酸丁酯	C <sub>18</sub> H <sub>20</sub> O <sub>4</sub>	85-68-7
4	anthracene	蒽	C <sub>14</sub> H <sub>10</sub>	120-12-7
5	triethyl arsenate	三乙基砷酸	C <sub>6</sub> H <sub>15</sub> AsO <sub>4</sub>	15606-95-8
6	HBCDD	六溴環十二烷	C <sub>12</sub> H <sub>18</sub> Br <sub>6</sub>	25637-99-4
7	5-tert-butyl-2,4,6-trinitro-mxylene	二甲苯檀香	C <sub>12</sub> H <sub>18</sub> N <sub>3</sub> O <sub>6</sub>	81-15-2
8	Short chain chlorinated paraffins	短鏈石蠟	---	85535-84-8
9	cobalt(2+) dichloride	氯化鈷	CoCl <sub>2</sub>	7646-79-9
10	sodium dichromate, dihydrate	重鉻酸鈉二水合物	Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> ·x2H <sub>2</sub> O	7789-12-0
11	DEHP	鄰苯二甲酸二(2-乙基己)酯	C <sub>24</sub> H <sub>38</sub> O <sub>4</sub>	117-81-7
12	lead hydrogen arsenate	酸式砷酸	AsH <sub>2</sub> O <sub>4</sub> Pb	7784-40-9
13	Diarsenic pentoxide	五氧化砷	As <sub>2</sub> O <sub>5</sub>	1303-28-2
14	diarsenic trioxide	三氧化二砷	As <sub>2</sub> O <sub>3</sub>	1327-53-3
15	DBP	鄰苯二甲酸二丁酯	C <sub>18</sub> H <sub>22</sub> O <sub>4</sub>	84-74-2
16	Anthracene oil	蔥油	C14H10	90640-80-5
17	Anthracene oil, anthracene paste, anthracene fraction	蔥油, 蔥糊, 蔥油分離液	---	91995-17-4
18	Anthracene oil, anthracene-low	蔥油, 含蔥量少	---	90640-82-7
19	Anthracene oil, anthracene paste	蔥油, 蔥糊	---	90640-81-6
20	Pitch, coal tar, high temp.	煤瀝青, 高溫	---	65996-93-2
21	Acrylamide	丙烯醯胺	C <sub>3</sub> H <sub>5</sub> NO	79-06-1
22	2,4-Dinitrotoluene	2,4-二硝基甲苯	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> O <sub>4</sub>	121-14-2
23	Diisobutyl phthalate	鄰苯二甲酸二異丁酯	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	84-69-5
24	Lead chromate	鉻酸鉛	PbCrO <sub>4</sub>	7758-97-6
25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	紅色鉻鉬酸鉛硫酸鹽	---	12656-85-8
26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	黃色硫化鉻酸鉛	---	1344-37-2
27	tris(2-chloroethyl)phosphate	三(2-(氯乙基)磷酸酯	C <sub>6</sub> H <sub>12</sub> Cl <sub>3</sub> O <sub>4</sub> P	115-96-8
28	Boric acid	硼酸	BH <sub>3</sub> O <sub>3</sub>	10043-35-3 / 11113-50-1
29	Disodium tetraborate, anhydrous	无水四硼酸鈉	B <sub>4</sub> Na <sub>2</sub> O <sub>7</sub>	1303-96-4 / 1330-43-4 / 12179-04-3
30	Tetraboron disodium heptaoxide, hydrate	七水合四硼酸鈉	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> ·7H <sub>2</sub> O	12267-73-1
31	Sodium chromate	鉻酸鈉	Na <sub>2</sub> CrO <sub>4</sub>	7775-11-3
32	Potassium chromate	鉻酸鉀	K <sub>2</sub> CrO <sub>4</sub>	7789-00-6
33	Ammonium dichromate	重鉻酸銨	(NH <sub>4</sub> ) <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	7789-9-5
34	Potassium dichromate	重鉻酸鉀	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	7778-50-9
35	Trichloroethylene	三氯乙烯	C <sub>2</sub> HCl <sub>3</sub>	79-01-6
36	Cobalt(II) sulphate	硫酸鈷	CoSO <sub>4</sub>	10124-43-3
37	Cobalt(II) dinitrate	硝酸鈷	Co(NO <sub>3</sub> ) <sub>4</sub>	10141-05-6
38	Cobalt(II) carbonate	碳酸鈷	CoCO <sub>3</sub>	513-79-1
39	Cobalt(II) diacetate	乙酸鈷	CoC <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	71-48-7
40	2-Methoxyethanol	乙二醇甲醚	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	109-86-4
41	2-Ethoxyethanol	乙二醇乙醚	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	110-80-5
42	Chromium trioxide	三氧化鉻	CrO <sub>3</sub>	1333-82-0
43	Acids generated from chromium trioxide and their oligomers Group containing:Chromic	鉻酸	H <sub>2</sub> CrO <sub>4</sub>	7738-94-5
44	2-ethoxyethyl acetate	乙二醇乙醚乙酸酯	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>	111-15-9
45	strontium chromate	鉻酸銣	CrO <sub>4</sub> Sr	7789/6/2
46	1,2-Benzenedicarboxylic acid, di-C7-11-branched and li near alkyl esters	鄰苯二甲酸二(C7-11支鏈與直鏈)烷基酯	/	68515-42-4
47	Hydrazine	聯氨	C <sub>16</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub>	7803-57-8 302-01-2 872-50-4
48	1-methyl-2-pyrrolidone	N-甲基吡咯烷酮	C <sub>5</sub> H <sub>9</sub> NO	96-18-4
49	1,2,3-trichloropropane	1,2,3-三氯丙烷	C <sub>3</sub> H <sub>5</sub> Cl <sub>3</sub>	71888-89-6
50	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
51	Dichromium tris(chromate)	鉻酸鉻	Cr <sub>2</sub> O <sub>21</sub>	24613-89-6
52	Potassium tetrachloroantimonate	氯氧化鉻酸鉀銣	Cr <sub>2</sub> K <sub>2</sub> O <sub>8</sub> Zn	11103-86-9
53	Pentazinc chromate octahydroxide	銦黃	CrO <sub>4</sub> Zn	49663-84-5
54	Aluminosilicate Refractory Ceramic Fibres (RCF)	矽酸鋁耐火陶瓷纖維 (RCF)	---	---
55	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	氧化鋁矽酸鋁耐火陶瓷纖維 (Zr-RCF)	---	---
56	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	甲醛與苯胺的低聚反應產物	---	25214-70-4
57	Bis(2-methoxyethyl) phthalate	鄰苯二甲酸二甲氧乙酯	C <sub>14</sub> H <sub>18</sub> O <sub>6</sub>	117-82-8
58	2-Methoxyaniline; o-Anisidine	鄰甲氧基苯胺	C <sub>7</sub> H <sub>9</sub> NO	90-04-0
59	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	4-(1,1,3,3-四甲基丁基)苯酚 (4-(叔辛基)苯酚)	C <sub>14</sub> H <sub>22</sub> O	140-66-9
60	1,2-Dichloroethane	1,2-二氯乙烷	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	107-06-2
61	Bis(2-methoxyethyl) ether	雙(2-甲氧基乙基)醚	C <sub>6</sub> H <sub>14</sub> O <sub>3</sub>	111-96-6
62	Arsenic acid	砷酸	H <sub>3</sub> AsO <sub>4</sub> ·1/2H <sub>2</sub> O	7778-39-4
63	Calcium arsenate	砷酸鈣	As <sub>2</sub> Ca <sub>3</sub> O <sub>8</sub>	7778-44-1
64	Trilead diarsenate	砷酸鉛	As <sub>2</sub> O <sub>8</sub> Pb <sub>3</sub>	3687-31-8
65	N,N-dimethylacetamide (DMAC)	N,N-二甲基乙醯胺	C <sub>4</sub> H <sub>9</sub> NO	127-19-5
66	2,2'-dichloro-4,4'-methylenedianiline	2,2'-二氯-4,4'-二氨基二苯基甲烷	---	101-14-4
67	Phenolphthalein	酚酞	C <sub>20</sub> H <sub>14</sub> O <sub>4</sub>	77-09-8
68	Lead azide Lead diazide	洗氮化鉛	N <sub>6</sub> Pb	13424-46-9
69	Lead styphnate	收斂酸鉛	C <sub>6</sub> H <sub>3</sub> N <sub>3</sub> O <sub>8</sub> Pb	15245-44-0
70	Lead dipicrate	苦味酸鉛	Pb(C <sub>6</sub> H <sub>2</sub> N <sub>3</sub> O <sub>7</sub> ) <sub>2</sub>	6477-64-1
71	TEGDME	三甘醇二甲醚	C <sub>8</sub> H <sub>18</sub> O <sub>4</sub>	112-49-2
72	EGDME	乙二醇二甲醚	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	110-71-4
73	Diboron trioxide	三氧化二硼	B <sub>2</sub> O <sub>3</sub>	1303-86-2
74	Formamide	甲醯胺	CH <sub>3</sub> NO	75-12-7
75	Lead(II) bis(methanesulfonate)	甲磺酸鉛	---	17570-76-2
76	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	異氰尿酸三縮水甘油酯	C <sub>12</sub> H <sub>15</sub> N <sub>3</sub> O <sub>6</sub>	2451-62-9
77	β-TGIC (1,3,5-tris(2S and 2R)-2,3-epoxypropyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	異氰尿酸B-三縮水甘油酯	---	59653-74-6
78	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	4,4'-(對二甲氨基)二苯基甲烷	C <sub>17</sub> H <sub>20</sub> N <sub>2</sub> O	90-94-8
79	[4-[4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	結晶紫; 甲基紫; 龍膽紫; 鹼性紫3	C <sub>17</sub> H <sub>22</sub> N <sub>2</sub>	101-61-1
80	[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	鹼性藍26	C <sub>33</sub> H <sub>32</sub> N <sub>3</sub> .Cl	548-62-9
81	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	溶劑藍4	C <sub>33</sub> H <sub>33</sub> N <sub>3</sub> O	2580-56-5
82	4,4'-bis(dimethylamino)-4"- (methylamino)trityl alcohol	A,A'-二[(二甲氨基)苯基]-4-甲氧基苯基醇	C <sub>24</sub> H <sub>29</sub> N <sub>3</sub> O	6786-83-0
83	DecaBDE	十溴聯苯醚	---	561-41-1
84				1163-19-5

86	Pentacosfluorotridecanoic acid	全氟十三酸	72629-94-8
87	Tricosfluorododecanoic acid	全氟十二酸	307-55-1
88	Henicosfluoroundecanoic acid	全氟十一烷酸	2058-94-8
89	Heptacosfluorotetradecanoic acid	全氟十四酸	376-06-7
90	Diazene-1,2-dicarboxamide (C, C'-azodi(forma	偶氮二甲醯胺	123-77-3
91	Cyclohexane-1,2-dicarboxylic anhydride [1].cis-cyclohexane-1,2-dicarboxylic anhydride [2].trans-cyclohexane-1,2-dicarboxylic anhydride [3].[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].	六氫鄰苯二甲酸酐	85-42-7,13149-00-3, 14166-21-3
92	Hexahydromethylphthalic anhydride [1].Hexahydro-4-methylphthalic anhydride [2].Hexahydro-1-methylphthalic anhydride [3]. Hexahydro-3-methylphthalic anhydride [4].[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	甲基六氫苯酐、4-甲基六氫苯酐、 甲基六氫化鄰苯二甲酸酐、3-甲基六氫苯二甲酸酐	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9
93	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the	4-壬基苯酚，支鏈和直鏈	-
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers	對特辛基苯酚	-
95	Methoxyacetic acid	甲氧基乙酸	625-45-6
96	N,N-dimethylformamide	N,N-二甲基甲醯胺	68-12-2
97	DBTC	N,N-二甲基甲醯胺	683-18-1
98	Lead monoxide (Lead oxide)	氧化鉛	1317-36-8
99	Orange lead (Lead tetroxide)	四氧化三鉛，鉛丹	1314-41-6
100	Lead bis(tetrafluoroborate)	四氟硼酸鉛	13814-96-5
101	Trilead bis(carbonate)dihydroxide	碳酸鉛	1319-46-6
102	Lead titanium trioxide	鈦酸鉛	12060-00-3
103	Lead titanium zirconium oxide	鈦酸鉛鋅	12626-81-2
104	Silicic acid, lead salt	矽酸鉛	11120-22-2
105	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6	鉛摻雜的矽酸鹽	68784-75-8
106	1-bromopropane (n-propyl bromide)	溴代正丙烷	106-94-5
107	Methyloxirane (Propylene oxide)	環氧丙烷	75-56-9
108	1,2-Benzenedicarboxylic acid, dipentylester, t	支鏈和直鏈1,2-苯二羧二戊酯	84777-06-0
109	DIPP	鄰苯二甲酸二異戊酯	605-50-5
110	N-pentyl-isopentylphthalate	鄰苯二甲酸正戊基異戊基酯	776297-69-9
111	1,2-diethoxyethane	乙二醇二乙醚	629-14-1
112	Acetic acid, lead salt, basic	醋酸鉛	51404-69-4
113	Lead oxide sulfate	硫酸鉛	12036-76-9
114	[Phthalato(2-)]dioxotrilead	[1,2-苯二羧酸根合]二氧化三鉛	69011-06-9
115	Dioxobis(stearato)trilead	雙(十八酸基)三氧化三鉛	12578-12-0
116	Fatty acids, C16-18, lead salts	C16-18-脂肪酸鉛鹽	91031-62-8
117	Lead cyanamide	氨基氰鉛鹽	20837-86-9
118	Lead dinitrate	硝酸鉛	10099-74-8
119	Pentalead tetraoxide sulphate	氧化鉛與硫酸鉛的複合物	12065-90-6
120	Pyrochlore, antimony lead yellow	C.I.顏料黃41	8012-00-8
121	Sulfurous acid, lead salt, dibasic	亞硫酸鉛(II)	62229-08-7
122	Tetraethyllead	四乙基鉛	78-00-2
123	Tetralead trioxide sulphate	三硫酸鉛	12202-17-4
124	Trilead dioxide phosphonate	磷酸化鉛	12141-20-7
125	Furan	呋喃	110-00-9
126	Diethyl sulphate	硫酸二乙酯	64-67-5
127	Dimethyl sulphate	硫酸二甲酯	77-78-1
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazoli	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-噁唑烷	143860-04-2
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	地樂酚(二硝丁酚)	88-85-7
130	4,4'-methylenedi-o-toluidine	4,4'-二氧基-3,3'-二甲基二苯甲烷	838-88-0
131	4,4'-oxydianiline and its salts	4,4'-二氧基二苯醚	101-80-4
132	4-aminoazobenzene	4-氨基偶氮苯	60-09-3
133	4-methyl-m-phenylenediamine (toluene-2,4-di	2,4-二氨基甲苯	95-80-7
134	6-methoxy-m-toluidine (p-cresidine)	2-甲氧基-5-甲基苯胺	120-71-8
135	Biphenyl-4-ylamine	4-氨基聯苯	92-67-1
136	o-aminoazotoluene [(4-o-tolyazo-o-toluidine)]	鄰氨基偶氮甲苯	97-56-3
137	o-toluidine	鄰甲基苯胺	95-53-4
138	N-methylacetamide	N-甲基乙醯胺	79-16-3