

禁限用物質一覽表(Table of Prohibited and Restricted Substances)

有關 EU RoHS 禁用物質的相關規定及容許濃度請參考備註

項目 Item	物質名稱 Substance Name	容許濃度 Threshold Limit	參考法規 Legal Reference
1	鉛(Pb)及其化合物 Lead (Pb) and Lead compounds	<90 ppm 備註 1	California Proposition 65 EU REACH Regulation 86/677/EEC EU Directive 2011/65/EU Norway's PoHS
2	汞(Hg)及其化合物 Mercury (Hg) and Mercury compounds	N.D. (M.D.L.=2ppm)	EU REACH Regulation EU Directive 2011/65/EU, TCO 5.2
3	鎘(Cd)及其化合物 Cadmium (Cd) and Cadmium compounds	N.D. (M.D.L.=2ppm)	EU REACH Regulation, EU Directive 2011/65/EU, Norway's PoHS, EU Directive 98/101/EC
4	六價鉻(Cr6+) Chromium VI (Cr6+) Compounds	N.D. (M.D.L.=2ppm)	EU REACH Regulation, EU Directive 2011/65/EU
5	多溴聯苯及其化合物(PBBs) Polybrominated biphenyls	N.D. (M.D.L.=5ppm)	
6	多溴聯苯醚及其氧化物(PBDEs) Polybrominated diphenylethers	N.D. (M.D.L.=5ppm)	
7	鉛+汞+鎘+六價鉻 Pb+Cd+Hg+Cr6+	< 70 ppm 且 Cd 不得檢出	
8	氯(Cl)	<900ppm 有關鹵素的相關規定及容許濃度請參考備註 2	IEC 61249-2-21:2003 JPCA-ES01:2003, IPC 4101 同上
9	溴(Br)		
10	氯+溴(Cl +Br)		
11	全氟辛烷硫磺酸(PFOS) Perfluorooctane sulfonates	N.D. (M.D.L.=10ppm)	EU Directive 2006/122/EC Sony SS-00259 14 th
12	全氟辛酸 Perfluorooctanoic acid(PFOA)	<10 ppm	Norway's PoHS Sony SS-00259 14 th
13	石棉(Asbestos)及其化合物	N.D. (M.D.L.=1ppm)	JIG-101 Ed 4.0 EU REACH Regulation Sony SS-00259 14 th
14	偶氮(Azo)化合物 Azo-bases chemicals	N.D. (M.D.L.=5ppm)	EU Directive 76/769/EEC, 2002/61/EEC, 2003/03/EEC Bedarfsgegenstände-Verordnung Sony SS-00259 14 th
15	甲醛/福馬林 Formaldehyde	備註 3	JIG-101 Ed 4.0 Germany : ChemVerbots V Denmark : Danish Statutory Order No. 289 Sony SS-00259 14 th
16	二取代基有機錫化合物-備註 9	<1,000 ppm	Norway's PoHS EU Directive 89/677/EEC, 99/51/EEC
17	三取代基有機錫化合物-備註 9	N.D. (M.D.L.=0.03ppm)	Japan: Chem-sub Law*1 EU Directive 2009/425/EC Sony SS-00259 14 th
18	氧化鈹	N.D. (M.D.L.=10ppm)	Japan: Ind-safety Law*2 Sony SS-00259 14 th

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項目 Item	物質名稱 Substance Name	容許濃度 Threshold Limit	參考法規 Legal Reference
19	鈹(Be)及其化合物(除氧化鈹外) Beryllium and its compounds	100 ppm	Japan: Ind-safety Law*2 Sony SS-00259 14 th
20	鎳(Ni)及其化合物 Nickel (Ni) and its compounds	N.D. (M.D.L.=2ppm)	EU Directive 94/27/EEC EU REACH Regulation
21	銻(Sb)及其化合物 Antimony (Sb) and its compounds	<1,000 ppm	JIG-101 Ed 4.0 EN 71 Part 3
22	多氯聯苯(PCBs)與多氯聯三苯(PCTS) Polychlorinated Biphenyls and Polychlorinated Terphenyls	N.D. (M.D.L.=10ppm)	EU REACH Regulation, 85/467/EEC, 91/173/EEC Germany: ChemVerbots V US:TSCA Stockholm Convention Sony SS-00259 14 th
23	多氯萘及其衍生物 (PCNs) Polychlorinated Naphthalenes and derivatives	N.D. (M.D.L.=10ppm)	EU REACH Regulation Sony SS-00259 14 th
24	聚氯乙烯(PVC)、氯乙烯及 PVC 其混合物 Polyvinyl chloride(PVC) and PVC blends	N.D. 不得檢出	JIG-101 Ed 4.0 Blue Angel (German Eco-label) TCO 5.2 (Swedish Eco-label) Sony SS-00259 14 th
25	富馬酸二甲酯(DMF) Dimethyl Fumarate	N.D. (M.D.L.=0.1ppm)	EU Directive 2009/251/EC Sony SS-00259 14 th
26	砷(As)及砷化合物 Arsenic(As) and Arsenic compounds	備註 4	EU Directive 86/677/EEC Norway's PoHS EU REACH Regulation Sony SS-00259 14 th
27	紅磷與黃磷 Red Phosphorus and Yellow Phosphorus	N.D. 不得檢出	Japan: Industrial Safety and Health Law, Air Pollution Control Law, Fire Protection Law Sony SS-00259 14 th
	磷及其化合物Phosphorus(P) and its compounds (exclude Yellow Phosphorus、Red Phosphorus) 磷酸三(2-氯丙基)酯,磷酸三(2,3-二氯丙基)酯, 磷酸三(二甲苯)酯...		
28	氯化石蠟/氯代烷氫 (SCCP,C10~13) Chlorinated Paraffins	N.D. (M.D.L.=10ppm)	EU REACH Regulation Sony SS-00259 14 th
29	特定鄰苯二甲酸酯類化合物 (Phthalate-DEHP,BBP,DBP,DNOP,DINP,DIDP,DIBP)	N.D. (M.D.L.=10ppm)	Norway's PoHS JIG-101 Ed 4.0 Sony SS-00259 14 th EU Directive 2011/65/EU
30	特定持久性有機污染物 (POPs)	N.D. (M.D.L.=10ppm)	Stockholm Convention OSPAR Germany: chemVerbotsV
31	特定苯並三氮唑 Specific Benzotriazole	N.D. (M.D.L.=10ppm)	Japan: Chem-sub Law*1 Sony SS-00259 14 th
32	N-甘氨酸 Glyphosate	N.D. 不得檢出	-
33	雙(氯化牛油烷基)二甲基氯化胺DTDMAC 二硬脂基二甲基氯化胺DODMAC/DSDMAC 二(硬化牛油)二甲基氯化胺 DHTDMAC	Total: <1,000 ppm	Norway's PoHS

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34	臭氧層破壞物質 氟氯碳化物 Chlorofluorocarbons(CFC's) 氟氯烴化物 Hydrochlorofluorocarbons(HCFC's) 海龍(Halons) 溴氟烴化物 (HBFC's) 氫氟烴類化合物(HFC) & (PFC)...等	N.D. (M.D.L.=1ppm)	Montreal Protocol, AnnexA, B, C US : 1990 Clean Air Act JIG-101 Ed 4.0 Sony SS-00259 14 th
35	脂肪族氯碳氫化合物 CHCs Chlorinated hydrocarbon	N.D. (M.D.L.=1ppm) 備註 5	EU Directive 94/60/EEC
36	鹵素阻燃劑(TBBP-A, HBCDD) Halogenate flame retardants	N.D. (M.D.L.=5ppm) 備註 6	JIG-101 Ed 4.0 Blue Angel (German Eco-label) TCO 5.2 (Swedish Eco-label) Norway's PoHS Market Requirement & Green peace Sony SS-00259 14 th
37	多氯酚 (PCPS) Polychlorophenol	N.D. (M.D.L.=10ppm)	EU REACH Regulation, OSPAR, Norway's PoHS
38	放射性物質 Radioactive Substances	N.D. 不得檢出	JIG-101 Ed 4.0 Japan: Nuclear material reactors*3, JGPSSI
39	六氯丁二烯 Hexachlorobutadiene	N.D. (M.D.L.=1ppm)	Japan: Chem-sub Law*1
40	硒及其化合物 Selenium (Se) and its compounds	<1,000 ppm	Market Request
41	高氯酸鹽 Perchlorates	N.D. 不得檢出	JIG-101 Ed 4.0
42	鹵化二苯甲烷 Halogenated diphenyl methanes	N.D. (M.D.L.=10ppm)	EU REACH Regulation
43	4-硝基二苯胺及其鹽類 4-Nitrobiphenyl and its salt	N.D. 不得檢出	Japan: Industrial Safety and Health Law, Air Pollution Control Law,
44	雙-(氯甲基)二醚 Bis(chloromethyl)ether	N.D. (M.D.L.=1ppm)	Japan: Industrial Safety and Health Law
45	烷基酚 Alkylphenols	N.D. (M.D.L.=10ppm)	OSPAR 2003/53/EC
46	壬基苯酚相關物質 Nonylphenol /ethoxylates (NP/NPEs) and related substances	N.D. (M.D.L.=10ppm)	OSPAR 2003/53/EC
47	六氯環己烷(HCH) Hexachlorocyclohexaneisomers	N.D. (M.D.L.=1ppm)	OSPAR
48	雙酚 A Bisphenol A	備註 7	Norway's PoHS
49	2,4,6-第三丁酚 2,4,6-Tertiarybutylphenol	N.D. (M.D.L.=10ppm)	Japan: Chem-sub Law*1
50	苯二胺類化合物 N-p-phenylenediamine	N.D. (M.D.L.=10ppm)	Japan: Chem-sub Law*1
51	三氯沙 Triclosan	N.D. (M.D.L.=10ppm)	Norway's PoHS

項目 Item	物質名稱 Substance Name	容許濃度 Threshold Limit	參考法規 Legal Reference
52	多環芳香烴(PAHS) Polyaromatic Hydrocarbons	<10 ppm 備註 8	OSPAR EU REACH Regulation German: LMBG Sony SS-00259 14 th
53	氯化鈷 Cobalt dichloride	N.D. 不得檢出	EU REACH Regulation Sony SS-00259 14 th
54	過氯酸鹽 Perchlorates	N.D. (M.D.L.=0.006ppm)	Sony SS-00259 14 th
55	N-苯基苯胺與苯乙烯和 2,4,4-三甲基戊烯的反應物 Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST)	<1000 ppm	Sony SS-00259 14 th
56	二正辛基-雙(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)	<1000 ppm	EU REACH Regulation Sony SS-00259 14 th
57	二正辛基-雙(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 ppm	EU REACH Regulation Sony SS-00259 14 th
58	鄰苯二甲酸二己酯(支鏈和直鏈) 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	<1000 ppm	EU REACH Regulation Sony SS-00259 14 th
59	2-(2'-羥基-3',5'-二叔戊基苯基)苯並三唑 (紫外線吸收劑 328) 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	<1000 ppm	REACH Regulation (EC) No.1907/2006 Sony SS-00259 14 th
60	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)二正辛基-雙(2-乙基己基巰基乙酸酯)錫	<1000 ppm	Sony SS-00259 14 th REACH Regulation (EC) No.1907/2006
61	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) 二正辛基-雙(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	<1000 ppm	Sony SS-00259 14 th REACH Regulation (EC) No.1907/2006

備註 1：EU RoHS 禁用物質的相關規定

1.1 鉛

鉛的禁用對象	容許濃度
- 包裝材料。 - 使用於印刷電路板上的塗料、顏料或墨水。	<100 ppm
- 部品外部端子或接腳的表面電鍍處理 (例如：電子零件，IC，螢光燈管電極等)。 - 作為塑膠(塑膠)材料中的穩定劑、顏料、染料及墨水等。	<100 ppm
塗料中鉛含量	< 90ppm。
純錫(Sn)金屬雜質中鉛的容許濃度	≤10ppm

1.2 汞

汞的禁用對象	容許濃度
- 包裝材料。 - 染料,塗料及墨水。 - 塑膠(或橡膠)材料中的添加劑。 - 螢光燈管中汞的填充量大於 3.5 mg/每支。	N.D. (M.D.L.=2ppm)

1.3 鎘

鎘的禁用對象	容許濃度
- 包裝材料。 - 作為塑膠(或橡膠)材料中的穩定劑、顏料、染料、塗料及墨水等。 - 塗料、墨水。 - 表面塗層、電鍍。 - 螢光燈管。	N.D. (M.D.L.=2ppm)

1.4 六價鉻

六價鉻的禁用對象	容許濃度
- 包裝材料。 - 所有用途，例如金屬表面的防銹處理(螺絲、鋼板等)。	N.D. (M.D.L.=2ppm)

1.5 PBBs

PBBs 的禁用對象	容許濃度
- 所有用途(例如塑膠材料中的阻燃劑)。	N.D. (M.D.L.=5ppm)

1.6 PBDEs

PBDEs 的禁用對象	容許濃度
- 所有用途(例如塑膠材料中的阻燃劑)。	N.D. (M.D.L.=5ppm)

備註 2：鹵素

測試方法偵測極限值(M.D.L.)需小於等於 50 ppm。

禁用對象	容許濃度
所有用途(除 Array-Cell 零部件)	<900ppm
Array-Cell 零部件,例如液晶、偏光板、色阻、Au Ball - 氯：電子紙產品所使用之 Film 材	-(除外)

備註 3：甲醛

容許濃度
● 以測試方法 EN 717-1：2004 檢測結果 < 0.1 ppm
● 以測試方法 EN 120：1992 檢測結果 < 8 mg/ 100 g (一次測定值)
● 以測試方法 ASTM D6007, D5116-97 檢測結果 < 0.08 ppm

備註 4：砷(As)及砷化合物

禁用對象	容許濃度
油漆、木材類、TFT-LCD 玻璃	N.D. (M.D.L.=2ppm)
除半導體、銅箔、陶瓷材料， 不可刻意添加於產品中	<100 ppm 26
焊錫	<300 ppm

備註 5：脂肪族氯碳氫化合物 CHCs

禁用對象	容許濃度
二氯甲烷使用於偏光片	<1,000ppm

備註 6：鹵素阻燃劑(TBBP-A，HBCDD)

禁用對象	容許濃度
HBCDD 使用於所有材料	N.D. (M.D.L.=5ppm)
其他鹵素耐燃劑(非 HBCDD)使用於所有材料	<800 ppm

備註 7：雙酚 A

禁用對象	容許濃度
禁止一切使用	<50 ppm
PC 材料	<250 ppm

備註 8：多環芳香烴(PAHS)

除使用於觸控面板玻璃的裝飾用油墨，其餘材料禁止使用

備註 9：

三取代基有機錫化合物包含下列物質：

No.	物質名稱 Substances	CAS No.
1	Bis(tri-n-butyltin) oxide (TBTO)	56-35-9
2	Tributyltin(TBT)	56573-85-4
3	Triphenyltin (TPT)	668-34-8
4	Tributyltin bromide	1461-23-0
5	Triphenyltin N,N'-dimethyldithiocarbamate	1803-12-9
6	Triphenyltin fluoride	379-52-2
7	Triphenyltin acetate	900-95-8
8	Triphenyltin chloride	639-58-7
9	Triphenyltin hydroxide	76-87-9
10	Triphenyltin fatty acid salts	47672-31-1
11	Triphenyltin chloroacetate	7094-94-2
12	Tributyltin methacrylate	18380-71-7
13	Bis(tributyltin) fumarate	6454-35-9
14	Tributyl tin fluoride	1983-10-4 7304-48-5
15	Bis(tributyltin) 2,3-dibromosuccinate	31732-71-5
16	Tributyltin acetate	56-36-0
17	Tributyltin laurate	3090-36-6
18	Bis(tributyltin) phthalate	4782-29-0

19	Copolymer of alkyl acrylate, methyl methacrylate and tributyltin methacrylate (alkyl; C=8)	-
20	Tributyltin sulfamate	6517-25-5
21	Bis(tributyltin) maleate	14275-57-1
22	Tributyltin chloride	1461-22-9
23	Mixture of tributyltin cyclopentanecarboxylate and its analogs (Tributyltin rosin salts)	26239-64-5
24	Tributyltin naphthennate	85409-17-2
25	Tributyltin cyclopentane carbonate=mixture	85409-17-2
26	Other tri-substituted organic tin compounds	-

二取代基有機錫化合物包含下列物質：

No.	物質名稱 Substances	CAS No.
1	Di-n-octyltin-dichloride	3542-36-7
2	Dibutyltin dichloride	683-18-1
3	Dibutyltin compounds (DBTs)	-
4	Dioctyltin compounds (DOTs)	-
5	Di- μ -oxo-di-n-butylstannichydroxyborane (DBB)	75113-37-0
6	Other di-substituted organic tin compounds	-

REACH(SVHC)

符合以下 174 項高度關注物質(含有濃度<1000ppm)。

All Products are free 168 SVHC. (Each substance is less than 1000ppm)

項目 Item	高度關注物質 Substance	CAS No.	EC No.
1	Anthracene 蒽	120-12-7	204-371-1
2	4,4' - Diaminodiphenylmethane 4,4' - 二氨基二苯甲烷	101-77-9	202-974-4
3	Dibutyl phthalate(DBP) 鄰苯二甲基二丁酯	84-74-2	201-557-4
4	Benzyl butyl phthalate (BBP) 鄰苯二甲酸丁苯酯(鄰苯二甲酸甲苯基丁酯)	85-68-7	201-622-7
5	Bis (2-ethyl(hexyl) phthalate) (DEHP) 鄰苯二甲酸二(2-乙基己基)酯	117-81-7	204-211-0
6	5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene) 二甲苯麝香	81-15-2	201-329-4
7	Hexabromocyclododecane (HBCDD) 六溴環十二烷	25637-99-4 3194-55-6	247-148-4 221-695-9
8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)短鏈氯 化石蠟	85535-84-8	287-476-5
9	Bis(tributyltin)oxide 三丁基錫氧化物	56-35-9	200-268-0
10	Cobalt dichloride 二氯化鈷	7646-79-9	231-589-4
11	Diarsenic pentaoxide 五氧化二砷	1303-28-2	215116-9
12	Diarsenic trioxide 三氧化二砷	1327-53-3	215-481-4
13	Triethyl arsenate 三乙基砷酸酯	15606-95-8	427-700-2
14	Lead hydrogen arsenate 砷酸氫鉛	7784-40-9	232-064-2
15	Sodium chromate 鉻酸鈉	7775-11-3	231-889-5
16	Potassium chromate 鉻酸鉀	7789-00-6	232-140-5
17	Ammonium dichromate 重鉻酸銨	7789-09-5	232-143-1
18	Potassium dichromate 重鉻酸鉀	7778-50-9	231-906-6
19	Sodium dichromate 重鉻酸鈉	7789-12-0 10588-01-9	234-190-3
20	Chromium trioxide 三氧化鉻	1333-82-0	215-607-8
21	Acids generated from chromium trioxide and their oligomers:Chromic acid, Dichromic acid Oligomers of chromic acid	7738-94-5 13530-68-2	231-801-5 236-881-5
22	Strontium chromate 鉻化鋇	7789-06-2	232-142-6
23	Anthracene oil 蒽油	90640-80-5	292-602-7

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項目 Item	高度關注物質 Substance	CAS No.	EC No.
24	Anthracene oil, anthracene paste, distn. Lights 蒽油,蒽糊,輕油	91995-17-4	295-278-5
25	Anthracene oil, anthracene paste, anthracene fraction 蒽油,蒽糊,蒽餾分離液	91995-15-2	295-275-9
26	Anthracene oil, anthracene-low 蒽油,含蒽量少	90640-82-7	292-604-8
27	Anthracene oil, anthracene paste 蒽油,蒽糊	90640-81-6	292-603-2
28	Coal tar pitch, high temperature 煤瀝青,高溫	65996-93-2	266-028-2
29	Aluminosilicate, Refractory Ceramic Fibres(RCF) 矽酸鋁,陶瓷耐火纖維	-	由 650-017-00-8 選取而得
30	Zirconia Aluminosilicate, Refractory Ceramic Fibres (Zr-RCF) 矽酸鋁氧化鋯,陶瓷耐火纖維	-	由 650-017-00-8 選取而得
31	Diisobutyl phthalate(DIBP) 鄰苯二甲酸二異丁酯	84-69-5	201-553-2
32	2,4-Dinitrotoluene 2,4-二硝基甲苯	121-14-2	204-450-0
33	Tris(2-chloroethyl)phosphate(TCEP) 三 2-(氯乙基)磷酸酯	115-96-8	204-118-5
34	Lead chromate 鉻酸鉛	7758-97-6	231-846-0
35	Lead chromate molybdate sulfate red (C.I. Pigment Red 104) 紅色 鉬鉻酸鉛硫酸鹽	12656-85-8	235-759-9
36	Lead sulfochromate yellow(C.I. Pigment Yellow 34) 黃色硫化鉻酸鉛	1344-37-2	215-693-7
37	Acrylamide 丙烯醯胺	79-06-1	201-173-7
38	Boric acid 硼酸	10043-35-3 11113-50-1	233-139-2 234-343-4
39	Disodium tetraborate, anhydrous 四硼酸鈉, 無水	1330-43-4 12179-04-3 1303-96-4	215-540-4
40	Tetraboron disodium heptaoxide, hydrate 四硼酸鈉, 水合物	12267-73-1	235-541-3
41	Trichloroethylene 三氯乙烯	79-01-6	201-167-4
42	Cobalt(II) sulphate 硫酸鈷	10124-43-3	233-334-2
43	Cobalt(II) dinitrate 硝酸鈷	10141-05-6	233-402-2
44	Cobalt(II) carbonate 碳酸鈷	513-79-1	208-169-4
45	Cobalt(II) diacetate 醋酸鈷	71-48-7	200-755-8
46	2-Methoxyethanol 乙二醇單甲醚	109-86-4	203-713-7
47	2-Ethoxyethanol 乙二醇單乙醚	110-80-5	203-804-1

項目 Item	高度關注物質 Substance	CAS No.	EC No.
48	2-ethoxyethyl acetate 乙二醇乙醚乙酸酯	111-15-9	203-839-2
49	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
50	Hydrazine 聯氨	7803-57-8 302-01-2	206-114-9
51	1-methyl-2-pyrrolidone 1-甲基吡咯烷酮	872-50-4	212-828-1
52	1,2,3-Trichloropropane 1,2,3 三氯丙烷	96-18-4	202-486-1
53	Benzenedicarboxylic acid,di-C6-8-branched alkyl esters,C7-rich(DIHP) 鄰苯二甲酸二(C6-8 支鏈與直鏈)烷基酯，富 C7	71888-89-6	276-158-1
54	Dichromium tris(chromate) 鉻酸鉻	24613-89-6	246-356-2
55	Potassium hydroxyoctaoxidizincatedi-chromate 氫氧化鉻酸鉍鉀	11103-86-9	234-329-8
56	Pentazinc chromate octahydroxide 氫氧化鉻酸鉍	49663-84-5	256-418-0
57	Formaldehyde, oligomeric reaction products with aniline(technical MDA) \甲醛和苯胺聚合物	25214-70-4	500-036-1
58	Bis(2-methoxyethyl) phthalate 鄰苯二甲酸二甲氧乙酯	117-82-8	204-212-6
59	2-Methoxyaniline; o-Anisidine 鄰甲氧基苯胺	90-04-0	201-963-1
60	4-(1,1,3,3-tetramethylbutyl)phenol 對特辛基苯酚	140-66-9	205-426-2
61	1,2-dichloroethane 1,2-二氯乙烷	107-06-2	203-458-1
62	Bis(2-methoxyethyl) ether 雙(2-甲氧基乙基)醚	111-96-6	203-924-4
63	Arsenic acid 砷酸	7778-39-4	231-901-9
64	Calcium arsenate 砷酸鈣	7778-44-1	231-904-5
65	Trilead diarsenate 砷酸鉛	3687-31-8	222-979-5
66	N,N-dimethylacetamide(DMAC) N,N-二甲基乙醯胺	127-19-5	204-826-4
67	2,2'-dichloro-4,4'-methylenedianiline 2,2'-二氨基-4,4'-二氯二苯甲烷	101-14-4	202-918-9

項目 Item	高度關注物質 Substance	CAS No.	EC No.
68	Phenolphthalein 酚酞	77-09-8	201-004-7
69	Lead diazide, Lead azide 疊氮化鉛	13424-46-9	236-542-1
70	Lead styphnate 中性斯蒂酚酸鉛	15245-44-0	239-290-0
71	Lead dipicrate 苦味酸鉛	6477-64-1	229-335-2
72	1,2-Bis(2-methoxyethoxy)ethane; Triglyme 三甘醇二甲醚	112-49-2	2003-977-3
73	1,2-Dimethoxyethane; Ethylene glycol dimethyl ether; Monoglyme 乙二醇二甲醚	110-71-4	203-794-9
74	Diboron trioxide 三氧化二硼	1303-86-2	215-125-8
75	Formamide 甲醯胺	75-12-7	200-842-0
76	Lead(II) bis(methanesulfonate) 甲基磺酸鉛	17570-76-2	401-750-5
77	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	2451-62-9	219-514-3
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]- -1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) 異氰尿酸 β-三縮水甘油酯	59653-74-6	423-400-0
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) 4,4'-二(N,N-二甲氨基)二苯甲酮(米氏酮)	90-94-8	202-027-5
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) 4,4'-(對二甲氨基)二苯基甲烷(米氏鹼)	101-61-1	202-959-2
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride(C.I. Basic Violet 3) 鹼性紫 3	548-62-9	208-953-6
82	[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	2580-56-5	219-943-6
83	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino) naphthalene-1-methanol (C.I.Solvent Blue 4) 溶劑藍 4	6786-83-0	229-851-8
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl Alcoholα, α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇	561-41-1	209-218-2
85	[Phthalato(2-)]dioxotrilead 二鹽基鄰苯二甲酸鉛	69011-06-9	273-688-5
86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 1,2-苯二酸-二(支鏈與直鏈)戊基酯	84777-06-0	284-032-2
87	1,2-Diethoxyethane 乙二醇二乙醚	629-14-1	211-076-1
88	1-Bromopropane 1-溴丙烷	106-94-5	203-445-0

項目 Item	高度關注物質 Substance	CAS No.	EC No.
89	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
90	4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated 對特辛基苯酚乙氧基醚	-	-
91	4,4'-Methylenedi-o-toluidine 4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0	212-658-8
92	4,4'-Oxydianiline 4,4'-二氨基二苯醚	101-80-4	202-977-0
93	4-Aminoazobenzene 4-氨基偶氮苯	60-09-3	200-453-6
94	4-Methyl-m-phenylenediamine 2,4-二氨基甲苯	95-80-7	202-453-1
95	4-Nonylphenol, branched and linear 4-壬基(支鏈與直鏈)苯酚	-	-
96	6-Methoxy-m-toluidine (2-Methoxy-5-methylaniline) 2-甲氧基-5-甲基苯胺	120-71-8	204-419-1
97	Acetic acid, lead salt, basic 城式乙酸鉛	51404-69-4	257-175-3
98	Biphenyl-4-ylamine 4-氨基聯苯	92-67-1	202-177-1
99	Bis(pentabromophenyl)ether (DecaBDE) 十溴二苯醚	1163-19-5	214-604-9
100	C,C'-azodi(formamide) 偶氮二甲醯胺	123-77-3	204-650-8
101	Dibutyltin dichloride 二丁基二氯化錫	683-18-1	211-670-0
102	Diethyl sulphate 硫酸二乙酯	64-67-5	200-589-6
103	Diisopentylphthalate (DIPP) 鄰苯二甲酸二異戊酯	605-50-5	210-088-4
104	Dimethyl sulphate 硫酸二甲酯	77-78-1	201-058-1
105	Dinoseb 地樂酚	88-85-7	201-861-7
106	Dioxobis(stearato)trilead 雙(十八酸基)二氧化三鉛	12578-12-0	235-702-8
107	Fatty acids, C16-18, lead salts C16-18-脂肪酸鉛	91031-62-8	292-966-7
108	Furan 呋喃	110-00-9	203-727-3
109	Henicosfluoroundecanoic acid 全氟十一烷酸	2058-94-8	218-165-4
110	Heptacosfluorotetradecanoic acid 全氟十四烷酸	376-06-7	206-803-4

項目 Item	高度關注物質 Substance	CAS No.	EC No.
111	Hexahydro-2-benzofuran-1,3-dione,環己烷-1,2-二羧酸酐 cis-cyclohexane-1,2-dicarboxylic anhydride,順式-環己烷-1,2-二羧酸酐 trans-cyclohexane-1,2-dicarboxylic anhydride 反式-環己烷-1,2-二羧酸酐	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9
112	Hexahydromethylphthalic anhydride,甲基六氫鄰苯二甲酸酐 Hexahydro-4-methylphthalic anhydride,4-甲基六氫鄰苯二甲酸酐 Hexahydro-1-methylphthalic anhydride,1-甲基六氫鄰苯二甲酸酐 Hexahydro-3-methylphthalic anhydride,3-甲基六氫鄰苯二甲酸酐	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1
113	Lead bis(tetrafluoroborate)四氟硼酸鉛	13814-96-5	237-486-0
114	Lead cyanamidate 氨基氰鉛鹽	20837-86-9	244-073-9
115	Lead dinitrate 硝酸鉛	10099-74-8	233-245-9
116	Lead monoxide 一氧化鉛	1317-36-8	215-267-0
117	Lead oxide sulphate 域式硫酸鉛	12036-76-9	234-853-7
118	Lead tetroxide 四氧化三鉛	1314-41-6	215-235-6
119	Lead titanium trioxide 鈦酸鉛	12060-00-3	235-038-9
120	Lead Titanium Zirconium Oxide 鈦酸鉛鉛*	12626-81-2	235-727-4
121	Methoxyacetic acid 甲氧基乙酸	625-45-6	210-894-6
122	N,N-dimethylformamideN, N-二甲基甲醯胺	68-12-2	200-679-5
123	N-methylacetamide N-甲基乙醯胺	79-16-3	201-182-6
124	N-pentyl-isopentylphthalate 鄰苯二甲酸正戊基異戊基酯	776297-69-9	-
125	o-Aminoazotoluene 鄰-氨基偶氮甲苯	97-56-3	202-591-2
126	o-Toluidine 2-氨基甲苯	95-53-4	202-429-0
127	Pentacosaflluorotridecanoic acid 全氟十三烷酸	72629-94-8	276-745-2
128	Pentalead tetraoxide sulphate 硫酸四氧化五鉛	12065-90-6	235-067-7
129	Propylene oxide 1,2-環氧丙烷	75-56-9	200-879-2
130	Pyrochlore, antimony lead yellow 鉛銻黃	8012-00-8	232-382-1

項目 Item	高度關注物質 Substance	CAS No.	EC No.
131	Silicic acid, barium salt, lead-doped 摻雜鉛的矽酸鋇	68784-75-8	272-271-5
132	Silicic acid, lead salt 矽酸鉛	11120-22-2	234-363-3
133	Sulfurous acid, lead salt, dibasic 二羧式亞硫酸鉛	62229-08-7	263-467-1
134	Tetraethyllead 四乙基鉛	78-00-2	201-075-4
135	Tetralead trioxide sulphate 硫酸三氧化四鉛	12202-17-4	235-380-9
136	Tricosafluorododecanoic acid 全氟十二烷酸	307-55-1	206-203-2
137	Trilead bis(carbonate)dihydroxide 羧式碳酸鉛	1319-46-6	215-290-6
138	Trilead dioxide phosphonate 二羧式亞磷酸鉛	12141-20-7	235-252-2
139	Cadmium 鎘	7440-43-9	231-152-8
140	Cadmium oxide 氧化鎘	1306-19-0	215-146-2
141	Ammoniumpentadecafluorootanoate (APFO) 全氟辛酸銨	3825-26-1	223-320-4
142	Pentadecafluorooctanoic acid (PFOA)全氟辛酸	335-67-1	206-397-9
143	Dipentyl phthalate (DPP) 鄰苯二甲酸二戊酯	131-18-0	205-017-9
144	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] 支鏈及直鏈乙氧基壬基酚-包括含有 9 個碳烷基鏈及所有含有含直鏈或支鏈之 9 個碳烷基鏈 UVCB 物質、聚合物及同系物，包括獨立同分異構物及複合物	-	-
145	Cadmium sulphide 硫化鎘	1306-23-6	215-147-8
146	Dihexyl phthalate 鄰苯二甲酸二己酯	84-75-3	201-559-5
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) C.I. 直接紅 28	573-58-0	209-358-4

項目 Item	高度關注物質 Substance	CAS No.	EC No.
148	Disodium 4-amino-3-[[4'-[[2,4-diaminophenyl]azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) C.I. 直接黑 38	1937-37-7	217-710-3
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol 亞乙基硫脲	96-45-7	202-506-9
150	Lead di(acetate) 醋酸鉛	301-04-2	206-104-4
151	Trixylyl phosphate 磷酸三(二甲苯)酯	25155-23-1	246-677-8
152	1,2-Benzenedicarboxylic acid, dihexyl ester, 鄰苯二甲酸二己酯 (支鏈和直鏈)	68515-50-4	271-093-5
153	Cadmium chloride 氯化鎘	10108-64-2	233-296-7
154	Sodium perborate; perboric acid, sodium salt 過硼酸鈉	-	239-172-9; 234-390-0
155	Sodium peroxometaborate 過氧偏硼酸鈉	7632-04-4	231-556-4
156	Cadmium fluoride 氟化鎘	7790-79-6	232-222-0
157	Cadmium sulphate 硫酸鎘	10124-36-4 31119-53-6	233-331-6
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) 2-苯并三唑-2-基-4,6-雙叔丁基苯酚 (紫外線吸收劑-UV320)	3846-71-7	223-346-6
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) 2-(2'-羥基-3'-5'-二叔戊基苯基)苯并三唑 (紫外線吸收劑-UV328)	25973-55-1	247-384-8
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradeca noate (DOTE)二正辛基-双(2-乙基己基巰基乙酸酯)錫	15571-58-1	239-622-4

項目 Item	高度關注物質 Substance	CAS No.	EC No.
161	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) 二正辛基-双(2-乙基己基巯基乙酸酯)錫和單辛基-三(2-乙基己基巯基乙酸酯)錫的反應物	-	-
162	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 (EC No.201-559-5) 烷基酯的混合物(鄰苯二甲酸二己酯含量≥0.3%)	68515-51-5 68648-93-1	271-094-0 272-013-1
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], -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] 卡拉花醛及其同分異構物	-	-
164	Nitrobenzene 硝基苯	98-95-3	202-716-0
165	2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) 2,4-二-叔丁基-6-(5-氯代苯并三唑-2-基)苯酚	3864-99-1	223-383-8
166	2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2H-苯並三唑-2-基)-4-(叔丁基)-6-(仲丁基)苯酚	36437-37-3	253-037-1
167	1,3-Propanesultone 1,3-丙烷磺內酯	1120-71-4	214-317-9
168	Perfluorononan-1-oi-c-acid and its sodium and ammonium salts 全 氟壬酸及其鈉鹽和銨鹽	375-95-1 21049-39-8 4149-60-4	206-801-3

169	Benzo[def]chrysene(Benzo[a]pyrene) 苯并(a)芘	50-32-8	200-028-5
170	4,4'-isopropylidenediphenol(bisphenol A;BPA) 雙酚 A	80-05-7	201-245-8
171	Nonadecafluorodecanoic acid(PFDA) and its sodium and ammonium salts 十九氟癸酸及其鈉和銨鹽	335-76-2 3830-45-3 3108-42-7	206-400-3 221-470-5
172	P-(1,1-dimethylpropyl)phenol 對(1,1-二甲基丙基)苯酚	80-46-6	201-280-9
173	4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] 4-庚基苯酚, 支鍊及直鍊包括含有 7 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 7 個碳基鏈的 UVCB 物質	--	--
174	Perfluorohexane-1-sulphonic acid and its salts(PFHxS) 全氟己基磺酸及其鹽類	355-46-4	206-587-1