

✧ 鎘 (Cadmium) :

- 電接點的鎘及鎘化合物以及 91/338/EEC 指令限制範圍以外的鎘鍍層中的鎘。(Cadmium and its compounds in electrical contacts and cadmium plating except for applications banned under Directive 91/338/EEC amending Directive 76/769/EEC relating to restrictions on the marketing and use of certain dangerous substances and preparations.) [\(2005/747/EC\)](#)
- 光學玻璃及濾光玻璃中所用的鎘。(Cadmium in optical and filter glass.) [\(2005/747/EC\)](#)
- 用於硼矽玻璃瓷漆的印墨中的鎘。(Cadmium in printing inks for the application of enamels on borosilicate glass.) [\(2006/691/EC\)](#)
- 用於位於音量大於或等於 100 分貝的大功率擴音器音圈上的電導體的電氣或機械焊點的鎘合金。(Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more.) [\(2008/385/EC\)](#)

✧ 六價鉻 (Hexavalent - Chromium) :

- 電冰箱中作為碳鋼冷卻系統防腐劑的六價鉻。(Hexavalent chromium as an anti-corrosion of the carbon steel cooling system in absorption refrigerators.) [\(2002/95/EC\)](#)
- 用於防止腐蝕及預防 WEEE 指令第三類設備(資訊及電信設備)電磁干擾的未著色金屬片及鈕扣的防腐塗層所含的六價鉻。(此排外項目僅適用至 2007 年 7 月 1 日)。(Hexavalent chromium in corrosion preventive coatings of unpainted metal sheetings and fasteners used for corrosion protection and Electromagnetic Interference Shielding in equipment falling under category three of Directive 2002/96/EC (IT and telecommunications equipment). Exemption granted until 1 July 2007) [\(2006/692/EC\)](#)

✧ 鉛 (Lead) :

- 陰極射線管、電子部件和發光管等玻璃內的鉛含量。(Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.) [\(2002/95/EC\)](#)
- 鋼合金中的鉛含量不超過 0.35%、鋁合金中的鉛含量不超過 0.4%、銅合金中的鉛含量不超過 4%。(Lead as an alloying element in steel containing up to 0.35% lead by weight, aluminium containing up to 0.4% lead by weight and as a copper alloy containing up to 4%lead by weight.) [\(2002/95/EC\)](#)
- 高熔點鋁錫中的鉛(例如鉛含量 ≥ 85 %合金中的鉛)。(Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)). [\(2002/95/EC\)](#)
- 用於伺服器、記憶體和存儲系統和交換、信號和傳輸，以及電信網路管理的網路基礎設施設備中焊料的鉛。(Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission as well as network management for telecommunications.) [\(2002/95/EC\)](#)

RoHS 管制外之項目 (RoHS Exemptions)

- 電子陶瓷產品中的鉛。(Lead in electronic ceramic parts (e.g. piezoelectronic devices.))
(2002/95/EC)
- 用於鉛青銅軸承外殼的鉛。(Lead in lead-bronze bearing shells and bushes.) (2005/717/EC)
- 光學玻璃及濾光玻璃中所用的鉛。(Lead in optical and filter glass.) (2005/747/EC)
- 順應針連接系統中使用的鉛。(Lead used in compliant pin connector systems.) (2005/747/EC)
- 熱導槍釘模組塗層中所用的鉛。(Lead as a coating material for the thermal conduction module c-ring.) (2005/747/EC)
- 微處理器針腳及封裝連接所使用含鉛量佔 80%-85%的焊接劑(含有超過兩種成份)中的鉛。
(Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80 % and less than 85 % by weight.)
(2005/747/EC)
- 用於焊接半導體終端和集成電路板載體的焊料中含鉛量。(Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages.) (2005/747/EC)
- 管狀白熾燈硅酸鹽塗層燈管中的鉛。(Lead in linear incandescent lamps with silicate coated tubes.) (2006/310/EC)
- 專業複印設備用的高強度放電燈中作為發光劑的鹵化鉛。(Lead halide as radiant agent in High Intensity Discharge (HED) lamps used for professional reprography applications) (2006/310/EC)
- 當放電燈被用作含磷仿日曬燈(例如 BSP)、或二氮化合物列印、平版印刷、捕蟲器，以及含磷化學和含磷食物加工過程的專業燈時(例如 SMS)，放電燈中的螢光粉觸媒劑的鉛(鉛含量 1%以下)。(Lead as activator in the fluorescent powder (1% lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi205:Pb) as well as when used as specialty lamps for diazo-printing reprography, lithography, insect traps, photochemical and curing processes containing phosphors such as SMS ((Sr, Ba) 2MgSi207:Pb))
(2006/310/EC)
- 緊縮節能燈中作為汞的特定成分中 PbBiSn-Hg 及 PbInSn-Hg 中的鉛以及作為輔助汞合金中 PbSn-Hg 中的鉛。(Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSn-Hg as auxiliary amalgam in very compact Energy Saving Lamps (ESL))
(2006/310/EC)
- 液晶顯示器中焊接前後平版螢光燈基質的玻璃中的氧化鉛。(Lead oxide in glass used for bonding front and rear substrates of flat fluorescent lamps used for Liquid Crystal Displays (LCD))
(2006/310/EC)
- 用於硼矽玻璃瓷漆的印墨中的鉛。(Lead in printing inks for the application of enamels on borosilicate glass.) (2006/691/EC)

RoHS 管制外之項目 (RoHS Exemptions)

- 用於光纖通訊系統，以稀土鐵石榴石晶體製成的法拉第旋轉器中作為雜質的鉛。(Lead as impurity in RIG (rare earth iron garnet) Faraday rotators used for fibre optic communications systems.) [\(2006/691/EC\)](#)
- 細間距零件(不包括連接器)內含的鉛，其內使用鎳鐵合金導線架或銅製導線架（間距等於或小於 0.65mm）。(Lead in finishes of fine pitch components other than connectors with a pitch of 0.65 mm or less with NiFe lead frames and lead in finishes of fine pitch components other than connectors with a pitch of 0.65 mm or less with copper lead frames.) [\(2006/691/EC\)](#)
- 通孔盤狀及平面陣列陶瓷多層電容器焊料所含的鉛。(Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors) [\(2006/691/EC\)](#)
- 等離子顯示屏(PDP)及表面傳導式電子發射顯示器(SED)的構件所用的氧化鉛。(Lead oxide in plasma display panels (PDP) and surface conduction electron emitter displays (SED) used in structural elements; notably in the front and rear glass dielectric layer, the bus electrode, the black stripe, the address electrode, the barrier ribs, the seal frit and frit ring as well as in print pastes.) [\(2006/691/EC\)](#)
- 藍黑燈管玻璃外罩所含的氧化鉛。(Lead oxide in the glass envelope of Black Light Blue (BLB) lamps.) [\(2006/691/EC\)](#)
- 在大功率揚聲器中作為轉換器焊料的鉛合金。(Lead alloys as solder for transducers used in high-powered (designated to operate for several hours at acoustic power levels of 125 dB SPL and above) loudspeakers.) [\(2006/691/EC\)](#)
- 在第 69/493/EEC 號指令附件 1 第 1、2、3 及 4 分類定義下之水晶玻璃的鉛。(Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC) 。
[\(2006/690/EC\)](#)
- 用於無汞平面螢光燈（例如：用於液晶顯示器、設計或工業照明）的焊料中的鉛。(Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting).) [\(2008/385/EC\)](#)
- 用於氬和氪鐳射管防護窗組合件的封裝玻璃料裏的鉛的氧化物。(Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes.) [\(2008/385/EC\)](#)

◇ 汞 (Mercury) :

- 小型日光燈中不超過 5 mg / 燈管者。(Mercury in compact fluorescent lamps not exceeding 5 mg per lamp.) [\(2002/95/EC\)](#)
- 一般用途的直管日光燈管不超過: (Mercury in straight fluorescent lamps for general purposes not exceeding:) [\(2002/95/EC\)](#)
 - Halophosphate < 10 mg 。
 - Triphosphate with normal lifetime < 5 mg 。
 - Triphosphate with long lifetime < 8 mg 。

RoHS 管制外之項目 (RoHS Exemptions)

- 特殊用途的直管日光燈管。(Mercury in straight fluorescent lamps for special purposes.)
(2002/95/EC)
- 附件中未特別提及用於其他照明燈具的含汞量。(Mercury in other lamps not specifically mentioned in this Annex.) (2002/95/EC)

◇ 十溴聯苯醚 (Deca-BDE)

- 應用於高分子類(Polymeric)之十溴聯苯醚之含量。(此排外項目僅適用至 2008 年 6 月 30 日)
(DecaBDE in polymeric applications. The effects of the exemption will be maintained until 30 June 2008.)。(2005/717/EC)

備註：以上翻譯僅供參考。若有誤差，應以原文法規為準。與各排外條款相互對應之參考法規編號，均分別列於條款後之括號內，以深藍斜體字標示。

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