

安全資料表 SAFETY DATA SHEET

一、物品與廠商資料

Section 1 - Chemical Product and Company Identification

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| 物品名稱：雙工器 Product Name : Diplexer |
| 其他名稱：----- Other name : ----- |
| 建議用途及限制使用：電器產品之內部組件 Recommended use and restrictions on use : Electronic and electric products. |
| 製造者、輸入者或供應商名稱：華新科技股份有限公司 Manufacture or vender name : Walsin Technology Corporation |
| 製造者、輸入者或供應商地址：台灣桃園市楊梅區高獅路 566-1 號 Manufacture or vender address : 566-1, Kao-Shi Road, Yang, Tao Yuan, Taiwan |
| 聯絡電話/傳真電話：+886-3-475-8711 / +886-3-478-0913 Tel / Fax : +886-3-475-8711 / +886-3-478-0913 |

二、危害辨識資料

Section 2 - Hazards Identification

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| 物品危害分類：不適用 Product hazard class : Not Available. |
| 標示內容：無 Label content: Not Available. |
| 其他危害：無 Other hazards : Not Available. |

三、成分辨識資料

Section 3 - Composition/information on ingredients Pure material/Mixtures

| 規格 specification | RFDIP1607L898D1T | | 重量 Weight (mg) | 3.265 |
|--|--------------------|--------------------------------|--|------------------|
| 物質 Substance | 化學文摘社號碼 CAS No. | 化學式 Formula | 主要用途 Main purpose | 典型% Typical % |
| 無鉛玻璃膏 Lead Free Glass | 65997-17-3 | Glass Frit | Ceramic body | 41.0400 |
| 三氧化二鋁 Aluminum oxide | 1344-28-1 | Al ₂ O ₃ | Ceramic body | 35.4100 |
| 氧化鈦 Titanium Dioxide | 13463-67-7 | TiO ₂ | Ceramic body | 2.4100 |
| 鋁酸鈷尖晶石藍CI顏料藍28 Cobalt aluminate spinel blue CI Pigment Blue 28 | 1345-16-0 | Co-Al Pigment blue 28 | Ceramic body | 1.6100 |
| 銀 Silver | 7440-22-4 | Ag | Inner electrode | 14.4700 |
| 銀 Silver | 7440-22-4 | Ag | End Termination | 2.9900 |
| 鎳 Nickel | 7440-02-0 | Ni | Middle Layer Termination Plating Ni | 0.4900 |
| 銅 Copper | 7440-50-8 | Cu | Middle Layer Termination Plating Cu | 0.4000 |
| 錫 Tin | 7440-31-5 | Sn | Outer Layer Termination Plating Sn | 1.1800 |

四、急救措施

Section 4 - First Aid Measures

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| 不同暴露途徑之急救方法： The first aid measures for different exposure routes: |
| · 吸入：非蒸發性物質 · Inhalation : Not Available. |
| · 皮膚接觸：無過敏反應 · Skin contact : Not Available. |
| · 眼睛接觸：不會接觸眼睛 · Eye contact : Not Available. |
| · 食入：不會食入 · Ingestion : Not Available. |
| 最重要症狀及危害效應：無 The most important symptoms and hazardous effects : None. |

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| 對急救人員之防護：無 The protection of first-aiders : None. |
| 對醫師之提示：不適用 Notes to Physician : None. |

五、滅火措施

Section 5 - Fire-fighting measures

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| 適用滅火劑：不燃物質 Suitable fire extinguishing media : This product is incombustible. |
| 滅火時可能遭遇之特殊危害：無 Specific hazards may be encountered during fire-fighting : None. |
| 特殊滅火程序：無 Specific fire-fighting methods : No. |
| 消防人員之特殊防護設備：無 Special equipment for the protection of firefighters : No. |

六、洩漏處理方法

Section 6 - Accidental release measures

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| 個人應注意事項：無 Personal precautions : No. |
| 環境注意事項：無 Environmental precautions : No. |
| 清理方法：無 Methods for cleaning up : No. |

七、安全處置與儲存方法

Section 7 - Handling and storage

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| 處置：一般處置 Handling : No special advice. |
| 儲存：依濕敏感係數等級一之方法貯存 Storage : Following the method defined in MSL level 1. |

八、暴露預防措施

Section 8 - Exposure controls/personal protection

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| 工程控制：無 Engineering control: No |
| 控制參數： Control parameters : |
| · 八小時日時量平均容許濃度/短時間時量平均容許濃度/最高容許濃度：無 · 8 hours time weighted average exposure limits/Short-term exposure limits/maximum exposure limits : No. |
| · 生物指標：無 · Biological standards : No. |
| 個人防護設備： Personal protective equipment : |
| · 呼吸防護：無 · Respiratory protection : No. |
| · 手部防護：無 · Hand protection : No. |
| · 眼睛防護：無 · Eye protection : No. |
| · 皮膚及身體防護：無 · Skin and body protection : No. |
| 衛生措施：無特殊要求 Hygiene measures: No special requirement. |

九、物理及化學性質

Section 9 - Physical and chemical properties:

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| 外觀 (物質狀態、顏色等) : 四方陶瓷體 Appearance (physical state, color, etc.) : Cuboid ceramic. | 氣味：無 Odor : No. |
| 嗅覺閾值：無 Odor threshold : No defined. | 熔點：1600 °C Melting point: 1600 °C |
| pH值：不適用 pH value : Not available. | 沸點/沸點範圍：未測試 Boiling point/boiling point range: Not be tested. |
| 易燃性 (固體、氣體) : 不燃 Flammability (solid, gas) : Incombustible. | 閃火點：°F °C : 未測試 Flash point: °F °C : Not be tested. |
| 分解溫度：未測試 Decomposition temperature : Not be tested. | 測試方法：開杯閉杯 Test method : Open cup Closed cup. |

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| 自燃溫度：不燃 Auto-ignition temperature: Incombustible. | 爆炸界限：不會爆炸 Explosion limits : Not Available. |
| 蒸氣壓： --- Vapor pressure: Not Available. | 蒸氣密度：不適用 Vapor density : Not Available. |
| 密度： ≈ 4 Density: ≈ 4 | 溶解度：不適用 Solubility : Not Available. |
| 辛醇 / 水分配係數 (log Kow) --- Partition coefficient (n-octanol/water,log Kow) : --- | 揮發速率：不適用 Evaporation rate : Not Available. |
| 額定瓦特小時(WH)： N/A (備注：電阻、電感、電容元件無能力供應能量，業界統稱為被動元件) Rated watt hour (WH) : N/A (Note : resistor, capacitor, conductor could not provide energy, they are called passive component) | |

十、安定性及反應性

Section 10 - Stability and reactivity

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| 安定性：安定 Stability : Stable. |
| 特殊狀況下可能之危害反應：無 Possible hazardous reactions under specific conditions : No. |
| 應避免之狀況：無 Conditions to avoid : No. |
| 應避免之物質：無 Materials to avoid : No. |
| 危害分解物：無 Hazardous decomposition products : No. |

十一、毒性資料

Section 11 - Toxicological information

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| 暴露途徑：不適用 Routes of exposure: Not Available. |
| 症狀：無 Symptoms: No. |
| 急性：無 Acute toxicity : No. |
| 慢性或長期毒性：無 Chronic toxicity or long term toxicity : No. |

十二、生態資料

Section 12 - Ecological information:

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| 生態毒性：無 Ecotoxicity : No. |
| 持久性及降解性： --- Persistence and degradability: --- |
| 生物蓄積性： --- Bioaccumulative potential : --- |
| 土壤中之流動性： --- Mobility in soil : --- |
| 其他不良效應：無 Other adverse effects : No. |

十三、廢棄處置方法

Section 13 - Disposal considerations

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| 廢棄處置方法：依當地環保法規之規定處理 Methods of waste disposal : Follow the local regulation. |
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十四、運送資料

Section 14 - Transport information

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| 聯合國編號：不適用 United Nations number (UN No) : Not Available. |
| 聯合國運輸名稱：不適用 UN Proper shipping name : Not Available. |
| 運輸危害分類：不適用 Transport hazard class (es) : Not Available. |
| 包裝類別：不適用 Packing group : Not Available. |
| 海洋污染物 (是 / 否) : 否 Marine pollutant (Yes/No) : No. |
| 特殊運送方法及注意事項：無 Specific transport measures and precautionary conditions : No. |

十五、法規資料

Section 15 - Regulatory information

適用法規：2011/65/EU, EC-1907-2006, (EU) 2015/863

Applicable regulations: 2011/65/EU, EC-1907-2006, (EU) 2015/863

十六、其他資料

Section 16 - Other information

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| 參考文獻 Literature references | | |
| 製表單位 Organization that prepared the SDS | 名稱：華新科技股份有限公司 Name: Walsin Technology Corporation | |
| | 地址 / 電話：台灣桃園市楊梅區高獅路 566-1 號 Address / telephone number: 566-1, Kao-Shi Road, Yang Mei, Tao Yuan, Taiwan | |
| 製表人 Person who prepared the SDS | 職稱：副理 Title: Asst. manager | 姓名(簽章)：鄭石菽 Name (signature) : Stone Cheng |
| | 製表日期 Date that the SDS was prepared: | |
| | | 2017/12/1 |

