

MATERIAL SAFETY DATA SHEET

物質安全資料表

DATE PREPARED(製表日期):18-04-2008
MSDS NO. (MSDS 號碼):MS-58001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 化學產品及生產工廠				
PRODUCT NAME(產品名稱):Polyimide Film Tape(Kapton Tape).KAPTON Series CHEMICAL FAMILY(化學品族群定位):Adhesive Coated Film(上膠薄膜)				
MANUFACTURER(生產工廠名稱): Suzhou Sage Electronics Co.,Ltd . ADDRESS&PHONE(工廠地址、電話): NO.2 JICHANGROAD SUZHOU CHINA				
EMERGENCY ASSISTANCE(緊急支援電話及傳真號碼)				
NAME & EMERGENCY TELEPHONE NUMBER (聯絡單位及緊急聯絡電話號碼)			ADDRESS (地址)	
Suzhou Sage Electronics Co.,Ltd . TEL:18662175550 FAX:0512-62815636			NO.2 JICHANGROAD SUZHOU CHINA	
2. COMPOSITION/INFORMATION ON INGREDIENTS(組成份 / 配方成份資料)				
Exposure Guidelines (曝露指標)				
TLV-TWA(ACGIH) PEL(OSHA)				
Components (組成份)	(CAS No.)	wt%	(mg/m ³)	(mg/m ³)
Polyimide Film(聚酰亚胺薄膜)(26418-77-9) 30-70 Not Listed Not Listed				
Silicon Adhesive (耐高溫矽利康粘膠)(27037-70-6) 70-30 Not Listed Not Listed				
PHYSICAL DATD(物性數據):				
Boiling Point(沸點):.....N/A		Vapor Pressure(氣化壓力).....N/A		
Vapor Density(氣化密度).....N/A		Evaporation Rate(蒸發率).....N/A		
Solubility in water(溶水性)..N/A		PH Value(酸鹼值).....N/A		
Viscosity(粘度).....N/A		Melting Point(熔點).....N/D		
APPEARANCE AND ODOR(外觀和氣味) : Roll of Tape(無味、捲狀膠帶)				
3. HAZARDS IDENTIFICATION(危害物質辨識資料)				
*** EMERGENCY OVERVIEW *** (緊急危害辨識措施)				
Colored Film Tape. Odorless. (金黃色薄膜膠帶,無法聞出氣味)				
Not a fire hazard in open areas. (於開放空間不具自著火性)				
Water fog, foam, CO ₂ and dry chemicals can be used on fires. (萬一著火時,可用噴水、泡沫、二氧化碳和化學乾粉滅火器加以撲滅)。				

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POTENTIAL HEALTH EFFECTS(健康危害效應):

EYE CONTACT(眼睛接觸): Solid or dusts may cause irritation or corneal injury due to mechanical action. (若由於作業上接觸, 其顆粒或粉塵有可能導致眼角膜發炎)。

SKIN CONTACT(皮膚接觸): Skin absorption is unlikely due to physical properties. Mechanical injury only. (由其物理性質觀之, 有害物質不可能因皮膚接觸而自動吸收, 僅可能因操作失當而傷害皮膚表面)。

INHALATION(吸入性): Single exposure to dust is not likely to be hazardous. Vapors are unlikely due to physical properties. (由單獨曝露在產品中, 不會造成吸入性傷害, 且產品亦無氣化的危險性)。

IF SWALLOWED(不幸食入): Ingestion is not a likely route due to proper industrial handling. (操作錯誤而誤食入本產品, 也不會被吸收而造成真正傷害)。

CHRONIC EFFECTS/CARCINOGENICITY(慢性效應 / 致癌誘因): Not listed on NTP, OSHA and IARC. (在 NTP, OSHA 和 IARC 中未有登載)。

4. FIRST AID MEASURES(緊急措施):

EYE CONTACT(眼睛接觸) : Immediately flush with copious amounts of water for at least 15 minutes. Get medical attention. (萬一因不當接觸, 使眼睛受到傷害, 應即刻以大量清水清洗至少 15 分鐘, 並送醫治療)。

SKIN CONTACT(皮膚接觸): If skin contact with hot material occurs: DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Immediately flush affected area with plenty of cold water and cover with a clean dressing. Have burn treated by a physician. (若皮膚不幸接觸到燒燙物, 請勿即刻拉開燒燙物, 應即時以大量冷水沖洗患處, 並以乾淨布料覆蓋, 即時送醫)。

INHALATION(吸入性): No adverse effects anticipated by this route of exposure incidental to proper industrial handling. (無法證明單獨因曝露及使用途徑上有造成吸入性傷害的情事)。

IF SWALLOWED(不幸食入): Drink two glasses of water. Call a physician. (喝下二大杯水, 即時送醫)。

NOTE TO PHYSICIANS(醫療叮嚀): Treat symptomatically. Treatment may vary with condition of victim and specifics of incident. (請按傷者不同的病徵, 給予適當的治療)。

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5. FIRE FIGHTING MEASURES(滅火措施)
<p><u>FLAMMABLE PROPERTIES(可燃性質):</u></p> <p>FLASH POINT(閃點):None(無)(METHOD USED: Not applicable)(未登載檢定方法)</p> <p>FLAMMABLE LIMITS(自燃臨界點):(LFL: Not applicable(未登載) ,UFL Not applicable(未登載))</p> <p><u>EXTINGUISHING MEDIA(可滅火材料):</u> Water fog, foam, CO₂, and dry chemicals. (水霧,泡沫,二氧化碳,化學乾粉滅火器)。</p> <p><u>FIRE & EXPLOSION HAZARDS(着火及爆炸有害物):</u>Hazardous decomposition products are CO₂ a slightly CO and various hydrocarbons. (著火後的有害物為多量的二氧化碳,少量的一氧化碳和不同種類的碳氫化合物)。</p> <p><u>FIRE FIGHTING EQUIPMENT(滅火設備):</u>Firefighters should wear proper protective equipment. (滅火人員需配備及穿着適當防護裝置)。</p>
6. ACCIDENTAL RELEASE MEASURES(消除意外措施)
<p>Sweep up and discard. (清掃乾淨及丟棄)</p>
7. HANDLING AND STORAGE(使用和儲存)
<p><u>HANDLING(使用):</u>Caution with edge of sheet. After using this sheets, wash hands. (小心以手捏住膠帶內蕊及邊緣,用後以清水洗淨雙手)。</p> <p><u>STORAGE(儲存):</u>Keep dry and cool (below 25°C) and away from direct sunlight for quality. (存放於 25°C 以下之乾燥及冷藏空間,避免陽光直射,以保證品質)。</p>
8. EXPOSURE CONTROLS/PERSONAL PROTECTION(曝露控制 / 個人防護)
<p><u>ENGINEERING CONTROLS(工程上控管):</u>Good general ventilation should be sufficient for most conditions. When processing at elevated temperature, provide local exhaust. (作業場所必需通風良好。若於高溫場所作業時,因空氣容易耗盡,更需作好通風設備,以滿足空氣流通的基本要求)。</p> <p><u>PERSONAL PROTECTIVE EQUIPMENT(PPE)(個人防護裝置):</u></p> <p><u>RESPIRATORY PROTECTION(呼吸防護):</u>For most conditions, no respiratory protection should be needed. When processing at elevated temperature, use an approved respiratory protection. (一般情況下,並無需任何呼吸上的保護裝置,但若於高溫場所作業時,則必需備妥適當的防護工具,以防萬一)。</p>

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EYE PROTECTION(眼睛防護):Wear safety glasses with side shields.(以護目鏡, 適當防護)。

SKIN PROTECTION(皮膚防護):Wear clean body-covering clothing and rubber gloves.(穿著乾淨的全身防護衣,戴上橡膠手套)。

SOURCE OF EXPOSURE LIMIT DATA(曝露極限數據):None: None established.(無,未登載)。

9. PHYSICAL AND CHEMICAL PROPERTIES(物理和化學特性)

APPEARANCE(外觀).....: Roll of tape.(成捲狀圓形膠帶)

ODOR(氣味).....: Odorless.(無臭無味)

BOILING POINT(沸點).....: Not applicable.(N/A)

VAPOR PRESSURE(氣化壓力): Not applicable.(N/A)

VAPOR DENSITY(氣化密度):: Not applicable.(N/A)

SOLUBILITY IN WATER(溶水性).....: Insoluble.(不溶於水)

SPECIFIC GRAVITY(比重):: 1.0-1.36(23°C).

SOFTENING POINT(軟化點):: Not available.(無法檢測)。

10. STABILITY AND REACTIVITY(安定性和反應性)

CHEMICAL STABILITY(化學安定性):Stable and Non-reactivity(安定,不具反應性)

INCOMPATIBILITY(非共融性):SPECIFIC MATERIALS /CONDITION TO AVOID(避免使用不當材料 / 不當操作條件)。
No information available.(無可靠資料可適用)。

HAZARDOUS DECOMPOSITION PRODUCTS:(有害物質的分解):
Thermal decomposition will produce mainly CO₂, and slightly CO, and various hydrocarbons.(遇熱或燃燒將可分解出大量二氧化碳, 少量一氧化碳和多種的碳氫化合物)。

HAZARDOUS POLYMERIZATION(有害物質的聚合反應):
Will not occur.(不會發生)。

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11. TOXICOLOGICAL INFORMATION(毒性資料)
No information available.(無具體資料可適用)。
12. ECOLOGICAL INFORMATION(生態資料)
No information available.(無具體資料可適用)
13. DISPOSAL CONSIDERATIONS(廢棄物考量):
Dispose of materials in compliance with governmental regulations. (廢棄物之處置,應按政府規定辦理)。
14. TRANSPORT INFORMATION(運輸資料)
Not a hazardous material for DOT shipping.(不屬於 DOT 國際運送規定內的有毒物質)。
15. REGULATORY INFORMATION(法規資料)
<u>TOXIC SUBSTANCES CONTROL ACT (TSCA)(毒性物質管理辦法 TSCA):</u> The ingredients of this product are all on the 8(b) inventory list. (本產品的組成份,均歸類於 TSCA (毒性物質管理辦法)所列冊的第 8(b)項清單中)。
16. OTHER INFORMATION(其他資料)
No specific notes.(無確切規格可參考)。

The information in this MATERIAL SAFETY DATA SHEET presented herein was prepared for your reference to the best of our knowledge. It is given in good faith but Suzhou Sage Electronics CO,. Ltd. MAKES NO WARRANTIES, EXPRESSED OR IMPLIED.