

深圳市百利合新材料发展有限公司

TEL:0755-84301958/FAX: 0755-84301986

物質安全資料表 Material Safety Data Sheet

在 2022.3.24 审核

Approved on 2022.3.24

一、物品與廠商資料 Article and manufacturer' s info

物品名稱: 感光濕膜 Article name:Liquid Photosensit	
物品編號: BLK-1000/2000/7000/9000 Article No: BLK-1000/2000/7000/9000	
推广用途及限制用途: 仅供PCB线路图形转移使用, 其他行业严禁使用 Promotion and restriction of use: It is only used for PCB circuit graphics transfer, and is strictly prohibited in other industries.	
製造商或供應商名稱: 深圳市百利合新材料發展有限公司 Manufacturer:Shenzhen Best Chemistry New Materials Co., Ltd	
製造商或供應商地址: 深圳市龙华区观光路1310号龙华半导体产业园1栋408 Add. Of manufacturer: Room 408, Building 1, Longhua Semiconductor Industrial Park, No. 1310 Guanguang Road, Longhua District, Shenzhen	
緊急聯絡電話: 0755-84301958 Emergency Call: 0755-84301958	傳真電話: 0755-84301986 Fax: 0755-84301986

二、成份辨識資料 Composition Identification Data

中英文名稱: 感光濕膜LIQUID PHOTORESIST BLK-1000/2000/7000/9000 English and Chinese names:Liquid Photosensit
同義名稱: --- Synonymous name:--
化學文摘社登記號碼(CAS. NO.): - CAS registration number:
危害物質成份(成份百分比): --- Hazardous material constituent (%):

混合物: Mixture

CAS	危害物質成份中之中英文名稱 Chinese and English name of Hazardous material constituent	濃度或濃度範圍(成份百分比) Concentration or Concentration range (%)
34590-94-8	二丙二醇甲醚 DPM	35
25767-39-9	丙烯酸樹脂 Acrylic Resin	27
15624-09-5	丙烯酸單體 Acrylic Monomers	8
94576-68-8	光起始劑 Photoinitiator	4
14807-96-6	滑石粉 Filler	25
150-76-5	添加劑 Additive	1

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三、危害辨識資料 Hazardous Identification Info.

<p>重要 危 害 Serious Harm</p>	<p>警示语：警告 Warning： 危害警示信息：吞食有害；造成皮肤或者眼睛刺激。 Hazardous warning: swallowing is prohibited, otherwise skin or eye may irritated. 危害预防措施：Hazardous Prevention Measures 1, 预防：远离火源或可燃源；使用产品时，严禁食入，做好防护措施； Prevention: keep away from fire or flammable source; Eating is prohibited, take a good measure when using this product. 2, 应变：遇到火灾，使用合适灭火器器具；如遇吞食，立即清洗口腔，立即就医；如皮肤眼睛接触，立即清洗，皮肤部分可用肥皂清洗，严重立即送医。 Emergency measure: use an appropriate fire extinguisher appliance in case of ire. Once swallow, wash the mouth and seek medical advise immediately. 3, 储存：具有良好通风处。 Storage: have a good ventilation. 4, 废弃：依照当地法规处理。 Discard: handle and discard in accordancw with</p>	  
<p>主要症狀：刺激、頭暈眼花、失去意識。 Main symptoms: irritation, dizziness, loss of conscousness.</p>		
<p>物品危害分類：易燃液体（类别3），皮肤、眼刺激（类别2），吸入危险（类别1） Hazards article classification: Flammable Liquids (Class 3), Skin、eyes irritation (category 2), Inhalation Hazard (category 1)</p>		

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四、急救措施 First aid measures

不同暴露途徑之急救方法： First aid methods of different exposures

•吸入： 1. 不同暴露途徑之急救方法。

Inhalation: 1.first aid method of different exposures

2.若呼吸停止則施行人工呼吸。

Artificial respiration shall be performed if breath is stopped.

3.保持患者溫暖及休息。keep the patient warm and have a good rest.

4.立即就醫。Seek immediate medical treatment.

•皮膚接觸： 1.脫去衣物用水洗皮膚。2.如仍感覺刺激立即就醫。

Skin contact: 1. Take off the clothes and wash the skin with water. 2. If skin irritation is still exist, seek for immediate medical treatment.

•眼睛接觸： 1.立即撐開上下眼皮，用大量的水沖洗眼睛。2.立即就醫。

Eye contact: 1. Immediately open the upper and lower eyelids and rinse the eyes with plenty of water.

2. Go to a doctor immediately.

•食入： 1.立即就醫。

Inhaling: 1. Immediately go to a doctor.

2.若無法立即就醫，將手指插入喉嚨或喝吐根糖漿催吐。

If seeing a doctor immediately is not doable, put fingers in the throat or vomit by drinking syrup of ipec.

3.若無意識,勿催吐。

Do not vomit if no consciousness.

最重要症狀及危害效應：頭痛、噁心。

The most important symptoms and effects: headache and nausea.

對急救人員之防護：吸入：將患者移至新鮮空氣處。皮膚接觸：

以肥皂清洗。

Protection for 1st aid personnel: inhalation- get patients exposed to the fresh air. Skin contact - clean the skin with soap.

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對醫師之提示：所含單體(Acrylic Monomers)對皮膚有刺激性。

Tips for physicians: Acrylic monomers contained is irritating to the skin.

五、滅火措施 Fire extinguishing measures:

適用滅火劑：化學乾粉、泡沫、二氧化碳、聚合或酒精泡沫Applicable extinguishing agents: chemical dry powder, foam, carbon dioxide, polymerization or alcohol foam.

滅火時可能遭遇之特殊危害：1.此物質加熱下，可燃燒。2.火場中可能釋放出毒氣。3.用水和泡沫滅火可能造成起泡。

Special hazards maybe encountered when extinguishing fire: 1. This substance shall be combustible when heating it. 2. Toxic gas may be released in the fire field.

3. Water and foam extinguishing may cause blistering.

特殊滅火程序：不適宜用水來滅火，但可用水霧降低燃燒速率及冷卻容器。

Special fire extinguishing procedure: it is not suitable to use water for extinguishing fire, but it can reduce burning rate and cooling with water mist.

消防人員之特殊防護設備：救火人員儘量處於上風處，必需使用壓力操作或正壓式全面罩之自攜式呼吸裝備。

Special protective equipment for firefighters: firefighter shall try their best to stay at the windward side. Pressure operated or full pressure self-contained breathing equipment shall be applied.

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六、洩露處理方法: Leakage treatment method

個人應注意事項: 在洩漏及外洩區尚未清理乾淨前, 禁止未穿戴防護裝備及衣物者進入。 Personal precautions: No access without protective equipment and clothing before leakage area is fully cleaned.

環境注意事項: 移開火源, 環境要通風。 Environmental considerations: remove the fire source, and keep ventilation.

清理方法: 少量用紙巾吸收後, 讓紙巾在安全地方揮發再於合適地方燒掉, 若大量, 收集好後在合適的燃燒室燒掉。
Cleaning Method: absorb it with tissue if the volume is a little bit, and keep the tissue in a safe place, then burn it in the appropriate place. If a large quantity is collected, burn it in a suitable place after collection.

防護措施: 如有洩露需要處理時, 必須佩戴防護手套、口罩、防護面罩等勞保用品。
protective measure: If there is any leakage that needs to be dealt with, you must wear protective gloves, masks, face masks and other labor protection articles.

七、安全處置與儲存方法; Safe disposal and storage method

處置: Disposal

1. 容器密閉。 Get the container be airtight.
2. 置於在陰涼、通風良好、遠離熱源 (5-30 攝氏度)。 Place in a cool, well ventilated place and keep far away from heat source (5-30 degrees Celsius)
3. 遠離不相容物。 Stay away from incompatibility.

儲存: 貯於陰涼處 (5-30 攝氏度), 遠離作業場所、熱源、火焰或火花。 Storage: store in a cool place (5-30 degrees Celsius) and stay away from work place, heat source, flame or spark.

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八、暴露預防措施: Exposure prophylaxis

工程控制: Engineering control

控制參數: 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: --- 生 物指標: ---

Control parameters: eight hours volume average allowable concentration/short time volume average allowable concentration

Maximum allowable concentration: --- Biological index---

個人防護設備: Personal protective equipment

呼吸防護: 口罩

手部防護: 戴防滲手套。眼

睛防護: 防濺安全護目鏡。

皮膚及身體防護: 手套

Respiratory protection: mask

Hand protection: wear resistant gloves

Eye protection: wear splashproof safety glasses

Skin and body protection: gloves

衛生措施: 1. 工作場所嚴禁抽煙或飲食。2. 處理此物後, 須澈底洗手。3. 維持良好之內務管理。

Health measures: 1. Smoking or eating is strictly prohibited in workplace.

2. Wash hands thoroughly after handling with this product.

3. Maintain good management for internal affairs.

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九、物理及化學特性 Physical and chemical properties

物質狀態: 流體 Substance status: Liquid	形狀: --- Shape:--
顏色: 白色/藍色 Color: white/blue	氣味: 輕微味道 Smell: mild taste
pH 值: 6-7 pH: 6-7	沸點/沸點範圍: 193-195 °C(二丙二醇甲醚) Boiling point and its range: 193-195 °C (DPM)
分解溫度: --- Decomposition temperature: --	閃火點: 166 °F 74 °C 測試方法: <input type="radio"/> 開杯 <input checked="" type="radio"/> 閉杯
熔點: -- Melting point: --	Flash point: 166 °F, 74 °C Testing Method: <input type="radio"/> Open cup <input checked="" type="radio"/> Close cup
自燃溫度: N.A. Self-ignition temperature: N.A.	爆炸界限: N.A. Explosion limit: N.A.
蒸氣壓: --- Vapour pressure:---	蒸氣密度: --- Vapour density: ---
比重: 1.20+/-0.05 Proportion: 1.20+/-0.05	溶解度: 樹脂不可溶於水 Solubility: resin is insoluble in water.
相對密度 (水=1): 1.20+/-0.05g/cm ³ Relative density (water = 1):1.20+/-0.05g/cm ³	辛醇/水分配系數的對比值: - Contrast value of octanol/water partition coefficient: -

十、安定性與反應性 Stability and reactivity

安定性: 一般情況很穩定, 但在UV光下易聚合。 Stability: stable commonly, but it is easily polymerized under the UV light.
特殊狀況下可能之危害反應: 靜電、火花和其他火原。 Possible hazards in special situations: static electricity, sparks and other fire sources.
應避免之狀況: 加熱、照UV光。 Situation that should be avoid: heating and taking UV light.
應避免之物質: 過氧化物等 Substances to be avoided: peroxide etc.
危害分解物: --- Hazardous decomposition:

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十一、毒性資料 Toxicity Data

急毒性： --- Acute toxicity: ---
局部效應：對鼻子、上呼吸道系統具刺激性，並且會造成眼睛之刺痛。 Part effects: irritating to the nose and upper respiratory, and will cause eye hurt.
致敏感性： --- Sensitization: ---
慢毒性或長期毒性： --- Chronic or long term toxicity: ---
特殊效應： --- Specific effects: -----

十二、生態資料： Ecological data

可能之環境影響/環境流佈：當釋放至土壤中，主要由蒸發作用及生物分解而移除。 Possible environmental impact/environmental distribution: it is mainly removed by evaporation and biodegradation when released into the soil.
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十三、廢棄處置方法： Discarded disposal method

廢棄處置方法 Discarded disposal method
1.以乾沙、土或類似物吸附後置於安全衛生處掩埋。 To be buried in a safe and hygienic place after being adsorbed by dry sand, soil or similar substances.
2.於適當燃燒室噴霧燒掉。 burn properly in the combustion chamber.

十四、運送資料 Transportation information

國際運送規定： International Shipping Regulations
聯合國編號： United Nations number
國內運送規定： 陆运、船运 Domestic shipping regulations: land transportation and sea transportation
特殊運送方法及注意事項： - Special delivery methods and matters of attention:-

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十五、法規資料 :Legal information

適用法規：經其持有人自行認為廢棄物時，應於棄置前 15 日內，向中央主管機關報備，並依「廢棄物清理法」關於 有害事業廢棄物之規定辦理。

Applicable regulation: it shall be submitted to the centre authority within 15 days prior to the abandonment and handled in accordance with the provisions of waste cleaning method if the holder considers it as the waste.

十六、其他資料: Other information

參考文獻 References	-	
製錶單位 Prepared by	名稱：深圳市百利合新材料發展有限公司 Manufacturer: Shenzhen Best Chemistry New Materials Co., Ltd	
	地址：深圳市龙华区观光路1310号龙华半导体产业园1栋408 Add. Of manufacturer: Room 408, Building 1, Longhua Semiconductor Industrial Park, No.1310 Guanguang Road, Longhua District, Shenzhen	
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製錶日期 DATE	2022/3/24	