



# 广州白云信港化工有限公司

## MATERIAL SAFETY DATA SHEET

### 物質安全資料表

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#### 一. Identifications of Substance and Company

物品與廠商資料

1.1 Product Name:

物品名稱: PEG-4000

1.2 Producer(supplier): GUANGZHOU BAIYUN XINGGONG CHEMICAL LTD

製造商 (供應商名稱): 廣州白雲信港化工有限公司

1.3 Address: 204, FLOOR 2, BUILDING D, NO.206, YUEXI STREET, TONGDE STREET, BAIYUN DISTRICT, GUANGZHOU

地址: 廣州市白雲區同德街粵溪大街 206 号 D 栋二楼 204

1.4 Phone: 020-86488586

#### 二. Composition /Information on Ingredients

成份辨識資料

2.1 Poly(ethylene glycol)

聚乙二醇 ≥99.9% CAS NO: 25322-68-3

2.2 According to GHS regulations and does not contain hazardous substance

依 GHS 規範並不含有害危害物質

#### 三. Hazards Identifications

危害辨識資料

3.1 Hazard class: No classification is required based on existing information.

危險性類別: 根据现有信息无需进行分类。

3.2 Health hazard: Direct eye contact can cause mechanical eye irritation; Inhalation may cause coughing.

Ingestion can cause abdominal pain and vomiting.

健康危害: 眼睛直接接触, 可引起机械性刺激眼部; 吸入可引起咳嗽; 食入可导致腹痛、呕吐。

3.3 Environmental hazard: No

環境危害: 無

3.4 Explosion hazard: Non-combustible

燃爆危險: 本品不燃

#### 四. First-aid Measures

急救措施

4.1 Inhalation: Remove to fresh air. If you have difficulty breathing, see a doctor immediately.

吸入: 移至新鮮空氣處。如呼吸困難, 立即送醫。

4.2 Skin contact: Remove contaminated clothing and rinse with soapy water and running water for 15 minutes.

皮膚接觸: 脫去污染衣着, 用肥皂水和流動清水沖洗 15 分钟。

4.3 Eye contact: Lift the eyelids, rinse them with flowing water or normal saline for 15 minutes and send them to hospital immediately.

眼睛接觸: 提起眼睑, 用流動的清水或生理鹽水沖洗 15 分钟, 立即送醫。

4.4 Eating: Brush mouth thoroughly with plenty of water or salt water. If swallowed too much, seek medical advice immediately.

食入: 用大量清水或食鹽水徹底刷口, 如吞食過量, 請立即送醫。

## 五. Fire-fighting Measures

## 滅火措施

- 5.1 Extinguishing Media: Chemical dry powder, carbon dioxide, foam, sand, water mist.  
適用滅火劑：化学干粉、二氧化碳、泡沫、砂土、雾状水。
- 5.2 Not suitable Extinguishing Media: there is no limit to the extinguishing agent applied to this substance or mixture.  
不適用滅火劑：施用于此物质或混合物的灭火剂无限制。
- 5.3 Hazardous combustion products : CO/CO2  
有害燃燒產物：一氧化碳、二氧化碳
- 5.4 Firemen should wear fire-resistant or fire-resistant clothing, face mask, helmet and gloves, and positive pressure self-contained breathing equipment (SCBA).  
灭火注意措施及防护措施：消防人员需穿戴耐火或防火的衣服,同时穿戴面罩,头盔和手套,正压自给式呼吸设备 (SCBA)。
- 5.5 Fire fighting Instructions: Extinguish the fire upwind, moving containers from the fire to open space if possible. Do not put the embers directly into the incinerator after extinguishing the fire, it will fuel the fire and produce a lot of foam gas.  
滅火指導：在上风向灭火,尽可能将容器从火场移至空旷处。不可将灭火完后之余烬直接投入焚化炉,会助长火势及产生大量泡沫气。

## 六. Accidental Release Measures

## 洩漏處理方法

- 6.1 Small amount of leakage: Avoid raising dust, sweep it carefully and collect it in a closed container. It can also be washed with a large amount of water and diluted into the wastewater system.  
小量泄漏：避免扬尘,小心扫起,收集于密闭容器中。也可用大量水冲洗,洗水稀释后放入废水系统。
- 6.2 Massive leakage: The sand is used to prevent diffusion, which is collected back into the container and transported to the waste disposal site for disposal, and washed with plenty of water.  
大量泄漏：利用沙土防止扩散,收集回容器运至废物处理场所处置,并用大量水冲洗。
- 6.3 Environmental precautions: Avoid drainage into the sewer.  
环境保护措施：避免排入下水道。

## 七. Safe operation and Storage

## 安全操作與儲存方法

- 7.1 Operational matters: Light handling, avoid dust, keep the package sealed at any time after opening. Wash thoroughly with water and soap after work.  
操作事項：輕裝卸,避免粉塵,包装开封后尽保持随时密封。工作完后应用水和肥皂彻底清洗。
- 7.2 Storage: Store in a cool, dry and ventilated warehouse, with electrical/ventilation/lighting/equipment to prevent dust explosion.  
儲存方法：儲存於陰涼乾燥通風的庫房,用预防粉尘爆炸的电气/通风/照明/设备。  
Keep away from heat and ignition sources. Store separately from strong acids and oxidants.  
遠離熱及引火源。與強酸、強氧化劑分開存放。

## 八. Contact and Precaution

## 接觸與防護措施

- 8.1 Respiratory protection: Generally, no special protection is required. When the dust concentration is too high, wear a self-priming filter dust mask.  
呼吸系统防护：一般不需要特殊防护，粉尘浓度过高时，佩戴自吸过滤式防尘口罩。
- 8.2 Eye protection: chemical safety goggles or protective glasses with side panels, face mask..  
眼面防护：化学安全护目镜或者带侧板的防护眼镜，面罩。
- 8.4 Body protection: Wear ESD clothes.  
身体防护：穿防静电工作服。
- 8.5 Hand protection: Rubber gloves.  
手防护：橡胶手套。
- 8.6 Other protection: Smoking, eating and drinking are prohibited at the work site. Shower and change clothes after work. Keep good hygiene habits.  
其它防护：工作现场禁止吸烟、进食和饮水。工作完毕，淋浴更衣。保持良好的卫生习惯。

## 九. Physical and Chemical Property

## 物理及化學性質

- 9.1 Exterior: White powder  
外觀：白色粉末
- 9.2 Density:  
密度：1.27 g/cm<sup>3</sup>(25°C)
- 9.3 PH: Not applicable  
PH 值：不适用
- 9.4 Melting point:  
熔点(°C)：64~66°C
- 9.5 Boiling point:  
沸点(°C)：>250°C
- 9.6 Spontaneous combustion temperature: Meaningless  
自燃温度(°C)：无意义
- 9.7 Critical temperature (°C): Meaningless  
临界温度(°C)：无意义
- 9.8 Critical pressure (MPa): Meaningless  
临界压力(MPa)：无意义
- 9.9 Flash point:  
闪点(°C)：N/A
- 9.10 Ignition temperature: This product is not flammable  
引燃温度：本品不易燃
- 9.11 Explosive upper/Lower limit %(V/V) : non-explosive  
爆炸上限/下限%(V/V)：非爆炸物
- 9.12 Vapor pressure:  
蒸气压：< 0.01mmHg at 20°C
- 9.13 Vapor density: --  
蒸气密度：>10
- 9.14 Solubility: Soluble in water, soluble in ethanol and other most organic solvents.  
溶解性：溶于水，溶于乙醇等大多数有机溶剂。

## 十. Stability and Reactivity

## 安定性及反應性

- 10.1 **Stability:** stable at room temperature and pressure. It is stable during normal handling, use and transportation. Stable in the allowed heating range and exposure to air.  
安定性：常温常压下稳定。在通常的处理、使用和运输过程中是安定的。在允许的加热范围和暴露在空气中是安定的。
- 10.2 **Hazardous reactions during special condition:** Dangerous polymerization does not occur  
特殊狀況下可能之危害反應：危險聚合反应不会发生。
- 10.3 **Hazardous decomposition products:** No  
危害分解产物：無
- 10.4 **Materials to avoid:** Strong oxidants, strong acids, Strong base.  
應避免之物資：強氧化劑、強酸、強碱。

## 十一. Toxicological Information

## 毒性資料

- 11.1 **Acute toxicity:** No data  
急毒性：無資料
- 11.2 **Toxicity:** No data  
亞急性和慢性毒性：無資料
- 11.3 **Skin corrosion/irritation:** Prolonged or repeated exposure may dry skin and cause irritation.  
皮膚腐蝕/刺激性：長期或反復接觸可能使皮膚乾燥並引起刺激。
- 11.4 **Eye Damage/Irritation:** Dust contact with eyes can cause mechanical irritation.  
眼睛損傷/刺激性：粉塵與眼睛接觸會導致機械性刺激。
- 11.5 **Mutagenicity:** No data  
致突變性：無資料
- 11.6 **Teratogenicity:** No data  
致畸性：無資料
- 11.7 **Carcinogenicity:** No data  
致癌性：無資料

## 十二. Ecological Information

## 生態資料

- 12.1 **Ecotoxicological toxicity:** None  
生態毒理毒性：無
- 12.2 **Biodegradability:** None  
生物降解性：無
- 12.3 **Non biodegradability:** None  
非生物降解性：無
- 12.4 **Bioaccumulation:** None  
生物蓄積性：無
- 12.5 **Octanol/water partition coefficient:** final  
辛醇/水分配係數：未測

<p>十三. Disposal Method 廢棄處置方法</p>
<p>13.1 Nature of waste: This product is harmless if handled in a standard manner. Refer to relevant national and local regulations before disposal. 廢棄物性質：本產品若按標準的方法處置是沒有危害的。處置前應參閱國家和地方有關法規。</p> <p>13.2 Waste disposal method: dispose, bury, burn or recycle according to the requirements of relevant national and local laws and regulations. 廢棄處理方法：根據國家和地方有關法規的要求處置，掩埋、焚燒或回收處理。</p> <p>13.3 Precautions for waste: Select a qualified waste treatment insurer. 廢棄注意事項：選擇有資質的廢棄處理承保人。</p>
<p>十四. Transport Information 運輸信息</p>
<p>14.1 Land transport: Not dangerous to transport, not regulated. 陸運：非危險運輸品，不受管制。 UN code: None UN 編碼：無</p> <p>14.2 Sea transportation: Not dangerous to transport, not regulated. 海運：非危險運輸品，不受管制。 UN code: None UN 編碼：無</p> <p>14.3. Air freight: Not dangerous to transport, not regulated. 空運：非危險運輸品，不受管制。 UN code: None UN 編碼：無</p> <p>14.4 This product is not hazardous. Please comply with national and international transportation regulations during transportation. 該產品沒有危險。運輸時請遵守國家和國際運輸規則。</p>
<p>十五. Statute Information 法規資料</p>
<p>15.1 Regulations on the Safety Administration of Hazardous Chemical Substances (promulgated by The State Council on February 17, 1987), Detailed Rules for the Implementation of Regulations on the Safety Administration of Hazardous Chemical Substances (1992) No. 677, Regulations on the Safe Use of Chemicals in Workplaces (1996) No. 423 issued by the Ministry of Labor), The safe use, production, storage, transportation, handling and other aspects of chemical dangerous goods have been made corresponding provisions. 化學品危險物品安全管理條例（1987年2月17日國務院發布），化學危險物品安全管理條例實施細則（化勞發（1992）677號），工作場所安全使用化學品規定（（1996）勞部發423號）等法規，針對化學危險品的安全使用、生產、儲存、運輸、裝卸等方面均作了相應規定。</p> <p>15.6 Regulation (EC) No 1272-2013 regulation on the classification, labelling and packaging of substances and mixtures. 法規（EC）No 1272-2013 物質及混合物分類、標籤和包裝法規。</p>

## 十六. Other Information

## 其他資料

16.1 Statement: This SDS is based on our current knowledge and provides the correct safety precautions required for chemicals. This document is not a guarantee of the characteristics of the product, nor is it a legally binding contractual relationship. This note is for industrial use only and should not be used for pharmaceutical or other purposes.

声明：本 SDS 是以我们现有的知识而撰写，提供了有关化学品所需正确的安全注意事项。此文件并非为产品特性之保证，也不为具有法律效力的合同关系。本说明仅供工业生产使用，不能用作药物或其它用途。

## 16.2 Reference

## 参考文献

1. Global Harmonization system for GHS Chemicals  
GHS 化学品全球调和制度
2. Classification, Labelling and Packaging of Chemical Substances and Mixtures  
化学物质和混合物分类、标示与包装法规 (Regulation(EC)No.1272/200/)

16.3 Drawing by: GUANZHOU BAIYUN XINGGONG CHEMICAL LTD

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16.4 Data review: Xingang Chemical Laboratory, He Songwen

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16.5 Tabulating date

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