

一. Identifications of Substance and Company

物品與廠商資料

1.1 Product Name: Zinc Stearate

物品名稱：硬脂酸鋅

1.2 Producer(supplier): GUANZHOU 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 號 D 棟二樓 204

1.4 Phone: 020-86488586

二. Composition /Information on Ingredients

成份辨識資料

2.1 Zinc stearate CAS NO: 557-05-1

硬脂酸鋅 $\geq 98\%$ 化学文摘登记号：

2.2 Dispersed filler

游离脂肪酸 $\leq 0.8\%$

2.2 Molecular formula

分子式 $Zn(OOCH_{35}C_{17})_2$

2.3 Industry standard:

行业标准：HG / T3667-2000

三. Hazards Identifications

危害辨識資料

3.1 Hazard class: Irritating

危險性類別：刺激性

3.2 Health hazard: Health Hazard: No Health Hazard under routine operation. Long-term inhalation of dust can cause pneumoconiosis, and patients have symptoms such as shortness of breath and cough.

健康危害：常規操作下無健康危害。長期吸入粉塵可引起塵肺，患者有氣促、咳嗽等症狀。

3.3 Environmental hazard: No environmental hazard under normal operation

環境危害：常規操作下無環境危害。

3.4 Explosion hazard: In case of open flame and high heat, it is flammable.

燃爆危險：遇明火、高熱可燃。

四. First-aid Measures

急救措施

4.1 Inhalation: Move to fresh air. If breathing is difficult, give oxygen and send to a doctor immediately.

吸入：移至新鮮空氣處。如呼吸困難，給輸氧，立即送醫。

4.2 Skin contact: Take off contaminated clothes and wash with soapy water and running water.

皮膚接觸：脫去污染衣着，用肥皂水和流動清水沖洗。

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：提起眼瞼，用流動的清水或生理鹽水沖洗。

4.4 Eating: There is no harm to health, and because the product is insoluble in water, most of it will be excreted from the body, and no first aid measures need to be taken.

食入：对身体健康并无损害，且该产品不溶于水，故绝大部分会排出体外，不需要采取任何急救措施。

五. Fire-fighting Measures

滅火措施

5.1 Extinguishing Media: Rinse with plenty of water, and general fire-fighting equipment can be used.

適用滅火劑：用大量水冲灭，一般灭火器械均可使用。

5.2 Hazardous combustion products : CO、CO₂、ZNO

有害燃燒產物：一氧化碳、二氧化碳、氧化鋅

5.3 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）。

5.4 Fire extinguishing guidance: Keep a safe distance from the fire, as the decomposition in the fire may release toxic gases.

灭火指导：灭火保持安全距离，火中分解可能放出有毒气体。

六. Accidental Release Measures

洩漏處理方法

6.1 Small amount of leakage: Avoid dust, sweep up carefully, and rinse with plenty of water.

小量泄漏：避免扬尘，小心扫起，也可用大量水冲洗。

6.2 Massive leakage: Not easy to recycle. Collect and transport to waste disposal site.

大量泄漏：不易回收再用。收集运至废物处理场所。

6.3 Environmental precautions: External leakage does not pollute the environment.

环境保护措施：外泄漏物对环境并不污染。

七. Safe operation and Storage

安全操作與儲存方法

7.1 Operational matters: Light loading and unloading to avoid dust.

操作事項：輕裝卸，避免粉塵。

7.2 Environment: This product is highly hygroscopic, so it must be sealed.

环境：本产品吸湿性强，故须密封安置。

7.3 Storage method: Store in a cool, dry and ventilated warehouse, away from heat and ignition sources. Separated from acids and bases.

儲存方法：儲存於陰涼乾燥通風的庫房，遠離熱及引火源。與酸、鹼分開存放。

八. Contact and Precaution

接觸與防護措施

8.1 Respiratory protection: In general, no special protection is required. If the dust depth in the air exceeds, wear a self-priming filter dust mask.

呼吸系统防护：一般情况下不需要特殊防护。如果空气中粉尘深度超过，佩戴自吸过滤式防尘口罩。

8.2 Eye protection: Wear eye/face protection such as safety goggles with side shields.

眼睛防护：佩戴眼睛/面部防护，如边上带有防护的安全护目镜。

- 8.3 Body protection: Wear general work clothes.
身体防护: 穿一般工作服
- 8.4 Hand protection: Protective gloves.
手防护: 防护手套。
- 8.5 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, odorless
外觀: 白色粉末, 无臭。
- 9.2 Molecular weight:
分子量: 632.33
- 9.3 PH: N/A
- 9.4 Melting point:
熔点(°C): 130°C
- 9.5 Boiling point:
沸点(°C): N/A
- 9.6 Spontaneous combustion temperature: Meaningless
自燃温度(°C): 421.1°C
- 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): 276.70°C
- 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): 最低爆炸极限: 11.6 g/m³
- 9.12 Vapor pressure:
蒸气压: --
- 9.13 Vapor density: --
蒸气密度: --
- 9.14 Solubility: Do not dissolve in water, Soluble in hot carbon tetrachloride, turpentine, benzene, ethanol and ether and other organic solvents.
溶解性: 不溶於水, 溶于热的四氯化碳、松节油、苯、乙醇和乙醚等有机溶剂。

十. Stability and Reactivity

安定性及反應性

- 10.1 Stability: Storage at room temperature in the closed original is stable.. It is stable during normal handling, use and transportation. Stable in the allowed heating range and exposure to air.

安定性：在封闭的原装中室温贮藏是安定的。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：危險聚合反應不會發生。

10.3 Hazardous decomposition products: No

危害分解產物：無

10.4 Materials to avoid: Acid, alkali.

應避免之物資：酸、鹼。

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：末測

十三. Disposal Method

廢棄處置方法

13.1 Nature of waste: Waste products can be disposed of in landfill, and should be disposed of in accordance with relevant national and local waste regulations. Contaminated packaging and containers should be treated in the same way.

废弃物性质：废弃产品可选择填埋处理，处置时应遵循国家和地方相关废弃物法规处置。受污染的包装和容器也应作同样处理。

13.2 Waste disposal method: Dispose of, bury or recycle in accordance with relevant national and local regulations.

废弃处理方法：根据国家和地方有关法规的要求处置，掩埋或回收处理。

13.3 Precautions for waste: Select a qualified waste treatment insurer.

废弃注意事项：选择有资质的废弃处理承保人。

十四. Transport Information

運輸信息

14.1 Land transport: Not dangerous to transport, not regulated.

陆运：非危险运输品，不受管制。

UN code: None

UN 编码：无

14.2 Sea transportation: Not dangerous to transport, not regulated.

海运：非危险运输品，不受管制。

UN code: None

UN 编码：无

14.3. Air freight: Not dangerous to transport, not regulated.

空运：非危险运输品，不受管制。

UN code: None

UN 编码：无

14.4 This product is not hazardous. Please comply with national and international transportation regulations during transportation.

该产品没有危险。运输时请遵守国家和国际运输规则。

十五. Statute Information

法規資料

15.1 Domestic regulations

国内法规

1. Regulations for the preparation of chemical safety technical specifications (GB16483-2008);

化学品安全技术说明书编写规定(GB16483-2008);

2. The Work Safety Law of the People's Republic of China (passed at the 28th meeting of the Standing Committee of the Ninth National People's Congress on June 29, 2002);

中华人民共和国安全生产法(2002年6月29日第九届全国人大常委会第28次会议通过)；

3. Law of the People's Republic of China on the Prevention and Control of Occupational Diseases (passed at the 24th meeting of the Standing Committee of the Eleventh National People's Congress on December 31, 2011);

中华人民共和国职业病防治法(2011年12月31日十一届全国人大常委会第24次会议通过)；

4. The Environmental Protection Law of the People's Republic of China (passed at the 11th meeting of the Standing Committee of the Seventh National People's Congress on December 26, 1989);

中华人民共和国环境保护法(1989年12月26日第七届全国人大常委会第11次会议通过)；

5. Regulations on the Safety Management of Hazardous Chemicals (adopted at the 144th executive meeting of the State Council on February 16, 2011);

危险化学品安全管理条例(2011 年 2 月 16 日国务院第 144 次常务会议通过);

6. Regulations on Work Safety Licenses (passed at the 34th executive meeting of the State Council on January 7, 2004)

安全生产许可证条例(2004 年 1 月 7 日国务院第 34 次常务会议通过)

7. List of dangerous goods (GB12268-2012);

危险货物品名表 (GB12268-2012);

8. Classification and product name number of dangerous goods (GB 6944-2012);

危险货物分类和品名编号 (GB 6944-2012);

9. Regulations on the Administration of Transportation of Dangerous Goods by Civil Aviation in China
中国民用航空危险品运输管理规定;

10. Regulations on the Administration of Road Transport of Dangerous Goods;

道路危险货物运输管理规定;

11. Rules for the management of railway transport of dangerous goods;

铁路危险货物运输管理规则;

15.2 International/European regulations:

国际/欧洲法规:

1. IATA Dangerous Goods Regulations (IATA DGR) (version 54);

国际航协危险品规则 (IATA DGR) (54 版);

2. International Maritime Dangerous Goods Code (IMDG Code) (version 35-10);

国际海运危险货物规则 (IMDG Code) (35-10 版);

3. United Nations Recommendations on the Transport of Dangerous Goods (TDG) (17th edition).

联合国关于危险货物运输的建议书 (TDG) (17 版)。

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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16.5 Tabulating date

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广州白云信港化工有限公司

MATERIAL SAFETY DATA SHEET

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