

一： Identifications of Substance and Company 化学品及企业标识

1.1 Product Name	ANTI SHRINKAGE
物品名稱	抗收缩剂 KSS-2
1.2 Producer(supplier)	DongGuanShi ChangYou Rubber Plastic Material Co.,Ltd
製造商（供應商名稱）	东莞市长佑橡塑材料科技有限公司
1.3 Address	No.1 Alley 9 CaiBaiShangKou New Vilage, DaoJiao Town, DongGuan City
地址	东莞市道滘镇蔡白上口新村 9 巷 1 号
1.4 Phone	0769-81330029
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二： Information on Ingredients 成份组成信息

- 2.1 Trimethylolpropane trimethacrylate
三羟甲基丙烷三甲基丙烯酸酯 55 %
- 2.2 Nanopolymer materials
纳米高分子材料 25 %
- 2.3 Polymersilane
高分子硅烷 20 %
- 2.4 CAS No:
化学文摘登记号: 3290-92-4/ 471-34-1
- 2.5 According to GHS regulations and does not contain hazardous substance
依 GHS 規範並不含有害危害物質

三： Hazard overview 危险性概述

- 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: Health Hazard: No Health Hazard under routine operation. Inhalation of dust may cause mild respiratory irritation; entry into the eye may cause mild mechanical irritation.
健康危害: 常规操作下无健康危害。吸入粉尘可引起轻微呼吸道刺激; 进入眼睛可引起轻微的机械刺激。
- 3.3 Environmental hazard: No environmental hazard under normal operation
環境危害: 常规操作下无环境危害。
- 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: If coughing, shortness of breath or other breathing problems occur, move the patient to fresh air. If symptoms persist, seek medical attention.
吸入: 若咳嗽、呼吸急促或其他呼吸问题发生, 将患者移至空气新鲜处。若症状持续, 就医。
- 4.2 Skin contact: Take off contaminated clothes and wash with soapy water and running water.
皮膚接觸: 脱去污染衣着, 用肥皂水和流动清水冲洗。
- 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: 提起眼睑, 用流动的清水或生理盐水冲洗 15 分钟, 立即送醫。
- 4.4 Eating: Brush your mouth thoroughly and take milk, soybean milk or egg white orally. If you swallow too

much, please send to a doctor immediately.

食入：徹底刷口,口服牛奶、豆浆或蛋清，如吞食過量，請立即送醫。

五： Fire fighting measures 消防措施

- 5.1 Extinguishing Media: Chemical dry powder, carbon dioxide, sand.
適用滅火劑：化学干粉、二氧化碳、砂土。
- 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 : Carbon, nitrogen, sulfur oxides
有害燃燒產物：碳，氮，硫氧化物
- 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）。

六： Leakage emergency treatment 泄漏应急处理

- 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: Collect, recycle or transport to waste treatment site for disposal.
大量泄漏：收集回收或运至废物处理场所处置。
- 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

- 7.1 Operational matters: Light handling, avoid dust, wash thoroughly with water and soap after work.
操作事項：輕裝卸，避免粉塵，工作完后应用水和肥皂彻底清洗。
- 7.2 Storage method: Store in a cool, dry and ventilated warehouse, away from heat and ignition sources. Separate from acid, base and oxidizer. Separate from magnesium and chlorinated rubber.
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、碱、氧化劑分開存放。

八： Exposure control / personal protection 接触控制/个体防护

- 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。
- 8.4 Body protection: Wear general work clothes.
身体防护：穿一般工作服
- 8.5 Hand protection: Protective gloves.
手防护：防护手套。
- 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。

8.7 Protective equipment (Graphics)

防护设备(图形)

**九： Physical and Chemical Property 物理及化学特性**

9.1 Exterior: White grain

外觀：白色颗粒

9.2 Specific Gravity

比重： 1.23

9.3 PH: N/A

9.4 Melting point:

熔点(°C): >90°C

9.5 Boiling point: Not Applicable

沸点(°C): 不适用

9.6 Spontaneous combustion temperature:

自燃温度(°C): >500°C

9.7 Flash point:

闪点(°C): >400°C

9.8 Explosive upper/Lower limit %(V/V) : non-explosive

爆炸上限/下限%(V/V): 非爆炸物

9.9 Vapor pressure: Not Applicable

蒸气压： 不适用

9.10 Vapor density: --

蒸气密度： --

9.11 Solubility: Do not dissolve in water.

溶解性： 不溶於水

第十部分： Stability and reactivity 稳定性和反应活性

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： 危險聚合反应不会发生。

10.3 Hazardous decomposition products: Carbon, nitrogen, sulfur oxides

危害分解产物： 碳，氮，硫氧化物

10.4 Materials to avoid: Strong oxidizing agents.

應避免之物資： 强氧化劑

第十一部分： Toxicological Information 毒理学信息

11.1 Acute toxicity: No

急毒性： 無

11.2 Toxicity: No data

亚急性和慢性毒性： 無资料

- 11.3 Skin corrosion/irritation: Prolonged or repeated exposure may dry skin and cause irritation.
皮肤腐蚀/刺激性：长期或反复接触可能使皮肤干燥并引起刺激。
- 11.4 Eye Damage/Irritation: Dust contact with eyes can cause mechanical irritation.
眼睛损伤/刺激性：粉尘与眼睛接触会导致机械性刺激。
- 11.5 Mutagenicity: No data
致突变性：無资料
- 11.6 Teratogenicity: No data
致畸性：無资料
- 11.7 Carcinogenicity: No data
致癌性：無资料

第十二部分：Ecological Information 生態資料

- 12.1 Ecotoxicological toxicity: No
生态毒理毒性：無
- 12.2 Biodegradability: No data
生物降解性：無
- 12.3 Non biodegradability: No data
非生物降解性：無
- 12.4 Bioaccumulation: This product does not have bioaccumulation.
生物蓄积性：本品不具有生物蓄积性。

第十三部分：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, bury, burn or recycle according to the requirements of relevant national and local laws and 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、焚燒或回收处理。
- 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。

第十四部分：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。

第十五部分: Statute Information 法規資料

15.1 Occupational Safety and Health Act

职业安全卫生法

15.2 ISO 11014-2009 Chemical products safety data sheet content and sequence section

ISO 11014-2009 化学用品安全资料表内容和排列顺序章节

15.3 Road traffic safety rules

道路交通安全规则

15.4 Storage, removal and disposal methods and facility standards for business waste

事业废弃物保存清除处理方法及设施标准

15.5 Permissible exposure standards for workers in workplaces

劳动工作场所容许暴露标准

15.6 Regulation (EC) No 1272-2013 regulation on the classification, labelling and packaging of substances and mixtures.

法规 (EC) No 1272-2013 物质及混合物分类、标签和包装法规。

第十六部分: 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/)

3. ChangYou Laboratory analyzed data

长佑橡塑实验室分析数据

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