

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

1.1	Product Name 物品名稱	CYKJ TBzTD-75 橡胶促进剂
1.2	Producer(supplier) 製造商（供應商名稱）	DongGuanShi ChangYou Rubber Plastic Material Co.,Ltd 东莞市长佑橡塑材料科技有限公司
1.3	Address 地址	No.1 Alley 9 CaiBaiShangKou New Vilage, DaoJiao Town, DongGuan City 东莞市道滘镇蔡白上口新村 9 巷 1 号
1.4	Phone Fax	0769-81330029 0769-81330039

## 二： Information on Ingredients 成份组成信息

2.1	TBzTD 二硫化四苄基秋兰姆	≥ 75%	CAS NO: 10591-85-2 化学文摘登记号:
2.2	Synthal rubber 橡胶弹性载体	≤ 25%	CAS NO: 9003-55-8 化学文摘登记号:
2.3	EINECS 化合物目录数据库	404-310-0	

## 三： Hazard overview 危险性概述

- 3.1 Hazard class: No classification is required based on existing information.  
危险性类别：根据现有信息无需进行分类。
- 3.2 Health hazard: May be allergic to skin contact, eye irritation, harmful to swallow.  
健康危害：皮肤接触可能过敏，对眼睛有刺激，吞咽有害。
- 3.3 Safety Phrases: S22( Do not breathe dust). S24( Avoid contact with skin). S37( Wear appropriate gloves).  
安全用语：S22(不要吸入粉尘)。S24(避免接触皮肤)。S37(戴适当的手套)。
- 3.4 Risk terms: R43 (may be allergic to skin contact).  
风险用语：R43（皮肤接触可能会过敏）。
- 3.4 Explosion hazard: Non-combustible  
燃爆危险：本品不燃

## 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：移至新鲜空气处。如呼吸困难，给输氧，立即送医。
- 4.2 Skin contact: Take off contaminated clothes and wash with soapy water and running water.  
皮肤接触：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.  
眼睛接触：提起眼睑，用流动的清水或生理盐水冲洗 15 分钟，立即送医。
- 4.4 Eating: Get to a doctor immediately, only under the doctor's guidance to induce vomiting, do not give unconscious people any food.  
食入：立刻送医，只有在医生的指导下才能催吐，不要给无知觉的人食用任何食物。

## 五： Fire fighting measures 消防措施

- 5.1 Extinguishing Media: Foam, chemical dry powder, carbon dioxide, water.  
適用滅火劑：泡沫、化學干粉、二氧化碳、水。
- 5.2 Hazardous combustion products: Oxides of carbon, nitrogen, and sulfur.  
有害燃燒產物：碳、氮和硫的氧化物。
- 5.3 Combustion limit (approximate volume in air attempt %):  
燃燒極限（空氣中近似體積嘗試%）：LEL: 20 g/m<sup>3</sup> UEL:N/D
- 5.4 Protective equipment: Firefighters wear protective suits and oxygen tanks when fighting fires.  
特殊防護裝備：消防人員滅火時穿連體防護衣，配帶呼吸氧氣瓶。
- 5.5 Fire extinguishing guidance: Keep a safe distance from extinguishing. decomposition may release toxic gases. Prevent dilution from controlled areas into rivers, sewers or potable water supplies.  
滅火指導：滅火保持安全距離，火中分解可能放出有毒氣體。防止控區的稀釋流出進入河流、下水道或飲用水供應系統。

## 六： Leakage emergency treatment 洩漏應急處理

- 6.1 Leakage cleaning method: Wear special protective clothing to avoid dust. Collect them in airtight containers by sweeping, vacuuming or shoveling, and then recycle or transport them to the waste disposal site.  
洩漏清理方法：穿特別防護衣，避免揚塵，以掃、吸塵、鏟等方式收集於密閉容器中，回收或運至廢物處理場所處置。
- 6.2 CERCLA Report Number (RQ): No applicable data  
CERCLA 報告數量（RQ）：沒有適用的數據
- 6.3 Other: Prevent friction, impact, heat, low voltage current, electromagnetic wave generation, avoid discharge into the sewer.  
其它：防止摩擦、撞擊、受熱、低壓電流、電磁波產生，避免排入下水道。

## 七： Safe operation and Storage 安全操作與儲存

- 7.1 Operation matters: closed operation, pay attention to ventilation. Wear dust masks, eye protection, latex gloves and protective clothing. Light handling, avoid dust. Wash thoroughly with water and soap after work.  
操作事項：密閉操作，注意通風。佩帶防塵口罩，防護眼睛，乳膠手套及防護服。輕裝卸，避免粉塵。工作完後應用水和肥皂徹底清洗。
- 7.2 Storage: store in a cool, dry, ventilated warehouse without direct sunlight, away from strong acid. Products should not be piled.  
儲存方法：儲存於陰涼、乾燥通風、無陽光直接照射的庫房，遠離強酸。不應堆壓產品。

## 八： Exposure control / personal protection 接觸控制/個體防護

- 8.1 Occupational exposure concentration, dust damage:  
職業暴露濃度，粉塵損害：  
OSHA PEL/8Hr-TWA = 15 mg/m<sup>3</sup>(Total dust concentration 粉塵總濃度)  
OSHA PEL/8-Hr TWA = 0.5mg/m<sup>3</sup>(Respirable dust concentration 可呼吸粉塵濃度)  
ACGIH TLV/8-Hr TWA = 10 mg/m<sup>3</sup>.
- 8.2 Respiratory protection: Respirators should be worn when practical engineering controls fail to properly protect dust exposure. When extinguishing the fire, the oxygen respirator with positive pressure full cover should be worn.

呼吸系统防护：当实用的工程控制不能适当保护粉尘暴露时应穿戴呼吸保护器。灭火时应配戴正压式全面罩的供氧呼吸器。

8.3 Eye protection: Protective eyes with protective wings are recommended.

眼睛防护：建议使用带护翼的防护眼睛。

8.4 Body protection: Wear one-piece coveralls, which must be cleaned before use.

身体防护：穿连体式工作服，再使用工作服前必需先清洗。

8.5 Hand protection: Wear rubber gloves.

手防护：戴橡胶手套。

8.6 Other protection: Local hazard controls must be used to control airborne contaminants within product exposure limits during product use. If air is recycled, it must be filtered.

其它防护：在产品使用期间必须使用局部的通风控制空气中的污染物在产品暴露极限之内。如果空气循环利用，必须经过过滤。

8.2 Protective equipment (Graphics)

防护设备(图形)



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

9.1 Exterior: Gray-white to pale yellow granules

外觀：灰白色至淡黄色颗粒

9.2 Density, g/cm<sup>3</sup>: about 1.16

密度, g/cm<sup>3</sup>: 约 1.16

9.3 Solubility: Soluble in benzene, carbon disulfide, organic solution.

溶解性：溶于苯、二硫化碳、有机溶液。

9.4 Natural temperature (F/ C) :

自然温度 (F/°C) : 440° C

9.5 Melting point

熔点 (F/°C) : N/A

9.6 Boiling point

沸点 (F/°C) : N/A

9.7 Flash point (F/°C) : Not measured

闪点 (F/°C) : 未测

9.8 PH value

PH 值: N/A

9.9 Viscosity

粘度: N/A

9.10 Vapor pressure: Negligible

蒸气压: 可忽略

9.11 Mooney viscosity ML(1+4)50°C : approx. 35

门尼粘度 ML(1+4)50°C: 约 35

9.12 Filtration treatment: 150 μm

过滤处理: 150 μm

9.13 Molecular weight: Mixture

分子量: 混合物

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

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：不会发生危险的聚合反应

10.3 Decomposition products: Oxides of carbon, nitrogen, and sulfur.

分解产物：碳、氮和硫的氧化物。

10.4 Conditions to avoid: Away from heat, sparks, flames and static electricity.

应避免之状况：远离受热、火星、火焰和静电。

10.5 Materials to avoid: Avoid strong oxidants such as liquid chlorine and high concentrations of oxygen.

应避免之物资：避免接受强氧化剂如液氯和高浓度的氧。

## 第十一部分：Toxicological Information 毒理学信息

11.1 Effect of oral(mg/kg)

口服效应 LD50(mg/kg): >5000 mg/kg

11.2 Skin effect(mg/kg)

表皮效应 LD50(mg/kg): 未测

11.3 Skin effect(mg/kg)

吸入效应 LC50(mg/kg) : >5.03 mg/l

11.4 Cancer review: No data available

致癌评述：无资料

11.5 Other pathogenic factors: Volatiles of this product or smoke emitted during vulcanization or reaction may cause eye, skin and respiratory irritation.

其它致病因素：本产品的挥发物或是在硫化过程中或反应中冒出烟可能引起眼睛，皮肤和呼吸道过敏。

11.6 Toxic effects on biological reproduction/development:

对生物生殖/发育的毒性影响：无资料

## 第十二部分：Ecological Information 生態資料

12.1 Ecological literacy:

生态素养性：

1. Fish 96Hr LC50 rainbow trout

鱼类 96Hr LC50 虹鳟鱼 =>32 mg/l

2. The 48Hr LC50 of crustacean daphnia

甲壳类 48Hr LC50 水蚤 =>10 mg/l

3. Water algae 96Hr EC50 algae

水藻类 96Hr EC50 海藻 = N/D

12.2 Octanol/water partition coefficient:

辛醇/水分配系数：3.4 and 3.7 log P (双峰)

12.3 Decomposition information: Unmeasured

分解信息：未测

## 第十三部分：Disposal Method 廢棄處置方法

13.1 Nature of waste: This product is harmless if handled in a standard manner. Refer to relevant national and local regulations before disposal. Incineration is recommended.

废弃物性质：本产品若按标准的方法处置是没有危害的。处置前应参阅国家和地方有关法规。建议用焚烧法处置。

- 13.2 Waste disposal method: According to the requirements of national and local laws and regulations, disposal, reuse and recycling, burying, burning or recycling.

废弃处理方法：根据国家和地方有关法规的要求处置，重复利用和回收方式，掩埋、焚烧或回收处理。

- 13.3 Precautions for waste: it is forbidden to flow directly into the sewer.

废弃注意事项：禁止直接流入下水道

#### 第十四部分：Transport Information 運輸信息

- 14.1 ADR/ RID: Not dangerous to transport, No control. Please comply with national and international transport regulations when transporting.

陆运：非危险运输品，无管制。运输时请遵守国家和国际运输规则。

UN code: None

UN 编码：无

- 14.2 IMDG-code/ IMO: Not dangerous to transport, not restricted. Please comply with national and international transport regulations when transporting.

海运：非危险运输品，没受限制。运输时请遵守国家和国际运输规则。

UN code: None

UN 编码：无

- 14.3. ICAO-TI/ IATA-DGR: Not dangerous to transport, not restricted. Please comply with national and international transport regulations when transporting.

空运：非危险运输品，没受限制。运输时请遵守国家和国际运输规则。

UN code: None

UN 编码：无

#### 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 Hazardous chemicals labeling and General knowledge rules

危害性化学品标示及通识规则

- 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

劳工作业场所容许暴露标准

- 15.6 Measures for the assessment and grading administration of hazardous chemicals

危害性化学品评估及分级管理办法

- 15.7 EU Directive 67/548/EEC Annex III, Annex IV:

欧盟指导标准 67/548/EEC 附录 III、附录 IV:

#### 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

OSHA :29 CFR Part 1910 subpart Z

NIOSH :The Registry of Toxic Effects of Chemical Substances

IARC :Monographs

ACGIH :Threshold Values for Chemical Substances and Physical Agents in the Work Environment NTP

Annual Report on Carcinogens

US EPA :Chemical Registry System

Canadian EPA :Domestic Substances List (DSL)

#### 16.3 Drawing by: DongGuanShi ChangYou Rubber Plastic Material Co.,Ltd

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#### 16.5 Tabulating date

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