


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

1.1 Product Name	CYKJ DM80
物品名稱	橡胶促进剂
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
Fax	0769-81330039

二： Information on Ingredients 成份组成信息

2.1 DM	CAS NO: 120-78-5
二硫化二苯並噻唑 ≥ 75%	化学文摘登记号:
2.2 Synthal rubber	
橡胶弹性载体 ≤ 25%	
2.3 EINECS	
化合物目录数据库 204-424-9	

三： Hazard overview 危险性概述

- 3.1 Hazard class  危險性類別 GHS09 environment
- 3.2 Health hazard: Irritation to skin by repeated contact, possible irritation to eyes, nausea by inhalation, harmful by large swallowing.
健康危害：反复接触对皮肤有刺激，可能刺激眼睛，吸入可能造成恶心，大量吞咽有害。
- 3.3 Environmental hazard: It may cause long-term harmful effects in the aquatic environment.
環境危害：R50/53 对水生生物有毒，在水生环境可能会引起长期有害作用。
- 3.4 Safety suggestions: S60 (substances and containers must be placed as hazardous waste), S61 (prevent discharge to the environment)
安全建议：S60 (物质及容器必须按危险废物放置)、S61 (防止排向环境)
- 3.5 Explosion hazard: Non-combustible
燃爆危險：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. Contaminated clothing must be washed with water before wearing. If the skin is irritated for a prolonged period of time, medical attention must be sought.
皮膚接觸：脱去污染衣着，用肥皂水和流动清水冲洗。污染的衣服必需经水冲洗后才能穿用。如果皮肤长时间过敏，必需寻求医疗诊察。
- 4.3 Eye contact: Lift the eyelids, rinse them with flowing water or normal saline for 15 minutes and send them to hospital immediately. If the skin is irritated for a prolonged period of time, medical attention must be sought.

眼睛接觸：提起眼睑，用流動的清水或生理盐水冲洗 15 分钟，如果皮肤长时间过敏，必需寻求医疗诊察。

- 4.4 Eating: Immediately seek medical attention, induce vomiting only under the guidance of a doctor, and do not give any food to an unconscious person.

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。

- 4.5 Physician's Note: Prescribe the right medicine, ingestion, breathing, or absorption through the skin can cause intolerance to alcohol.

医师提示：对症下药，食入，呼吸或通过皮肤吸收可引起对酒精的不耐症。

五： Fire fighting measures 消防措施

- 5.1 Extinguishing Media: Foam, dry powder, carbon dioxide, water spray.

適用滅火劑：泡沫、干粉、二氧化碳、霧狀水。

- 5.2 Hazardous combustion products: Styrene, phenol, carbon monoxide and other toxic gases.

有害燃燒產物：苯乙烯，苯酚，一氧化碳等有毒气体。

- 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 extinguishing. decomposition may release toxic gases. Prevent dilution from controlled areas into rivers, sewers or potable water supplies.

灭火指导：灭火保持安全距离，火中分解可能放出有毒气体。防止控区的稀释流出进入河流、下水道或饮用水供应系统。

六： Leakage emergency treatment 泄漏应急处理

- 6.1 Leakage cleaning method: Wear special protective clothing to avoid dust, collect it in a sealable container by sweeping, vacuuming, shovel, etc., and recycle or transport it to a waste disposal site for disposal.

泄漏清理方法：穿特别防护衣，避免扬尘，以扫、吸尘、铲等方式收集至可密封容器，回收或运至废物处理场所处置。

- 6.2 CERCLA Report Number (RQ): No applicable data

CERCLA 报告数量（RQ）：没有适用的数据

- 6.3 Other: Avoid drainage into the sewer

其它：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。工作完后应用水和肥皂彻底清洗。

- 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、无阳光直接照射的庫房，远离强酸。不应堆压产品。

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

- 8.1 Precaution: Wear filter dust masks, eye protection, latex gloves and protective clothing. Wash hands with soap completely after finishing operating.

防護措施：佩帶防塵口罩，防護眼睛，乳膠手套及防護服。操作完畢徹底用肥皂及清水洗手。

8.2 Protective equipment (Graphics)

防護設備(圖形)



8.3 Air Exposure Limits:

空氣暴露極限：

Dust damage:

粉塵損害：OSHA PEL/8-Hr TWA = 15 mg/m³ (粉塵總濃度)

OSHA PEL/8-Hr TWA = 0.5 mg/m³ (可呼吸粉塵濃度)

ACGIH TLV/8-Hr TWA = 10 mg/m³

8.4 Ventilation: Local ventilation must be used to control airborne contaminants within product exposure limits during product use. If the air is recycled, it must be filtered.

通風：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。

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

9.1 Exterior: Gray-white granules with slight odor.

外觀：灰白色顆粒，氣味輕微。

9.2 Density, g/cm³: approx. 1.30

密度, g/cm³ : 約 1.30

9.3 Solubility: Soluble in acetone, insoluble in water

溶解性：溶於丙酮，不溶於水。

9.4 Melting point

熔點 (F/°C) : N/A

9.5 Flash Point (° F/° C): No data

閃點 (°F/°C) : 無資料

9.5 Spontaneous combustion temperature: No data

自燃溫度 (°F/°C) : 無資料

9.7 Lowest\highest explosion limit (LEL) in air: No data

空氣中最低爆炸極限(LEL): 無資料

9.8 Boiling point

沸點 (F/°C) : N/A

9.9 Vapor pressure: Negligible

蒸氣壓：可忽略

9.10 PH :

PH 值：N/A

9.11 Viscosity

粘度：N/A

9.12 Molecular weight: Mixture

分子量：混合物

9.13 Main purpose: Vulcanization accelerator for natural rubber and synthetic rubber.

主要用途：天然橡膠和合成橡膠的硫化促進劑。

第十部分：Stability and reactivity 穩定性和反應活性

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 polymerization: Does not occur.

危险的聚合反应：不会发生。

10.3 Decomposition products: Carbon, nitrogen, and sulfur oxides.

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): >7940mg/kg

11.2 Skin effect(mg/kg)

表皮效应 LD50(mg/kg): >7940mg/kg

11.3 Skin effect(mg/kg)

吸入效应 LC50(mg/kg) : N/A

11.4 Worsening conditions: Lung dysfunction, skin disease, eye disease.

恶化条件：肺部疾病，皮肤病，眼疾

11.5 Other pathogenic factors: An unknown

其它致病因素：不详

11.6 Toxic effects on biological reproduction/development: No teratogenesis was observed in mice.

对生物生殖/发育的毒性影响：在鼠类上实验未导致畸形儿产生

第十二部分：Ecological Information 生态资料

12.1 Ecological literacy:

生态素养性：

1. Fish 96Hr LC50 rainbow trout

鱼类 96Hr LC50 虹鳟鱼 = 66 mg/l.

2. Crustaceans 48Hr LC50 of daphnia

甲壳类 48Hr LC50 水蚤 = 82 mg/l

3. Water algae 96Hr EC50 algae

水藻类 96Hr EC50 海藻 = 0.7 mg/l

12.2 Octanol/water partition coefficient: Unmeasured

辛醇/水分配系数：未测

12.3 Decomposition information: Decomposition rate of sunlight exposure T(1/2)=3hour

分解信息：阳光照射分解率 T(1/2)=3 小时

第十三部分：Disposal Method 废弃处置方法

13.1 Waste disposal method: This product is not hazardous if disposed of according to standard methods. The waste is buried in the designated place or incinerated in the incinerator according to the relevant regulations. Do not promote dust generation during handling, transport and collection of bags.

废弃处理方法：本产品若按标准的方法处置是没有危害的。废弃物埋在指定的地方或按有关法规在

焚化炉中焚烧。在处理、运输和收集包装袋的过程中不要促使粉尘产生。

- 13.2 Nature of waste: If there is any residue in the bag, it must be labelled as a warning and kept away from fire. Disposal or reuse must be carried out in accordance with relevant regulations.

污染包装处置：如果包装袋里有剩余物，必需贴上标签以示警示，并远离火源。处理或是再利用必需按照有关法规进行。

- 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 Transport number of dangerous goods No.

危险货物运输编号：UN3077

- 14.2 Name of appropriate Transport: Hazardous to the Environment, solid, N. O. S. dithiobenzothiazole

适当运输名称：对环境有害物质，固体，n. o. s. 二硫代二苯并噻唑

- 14.4 Classification of transport hazards:

运输危害分类：9 级



- 14.5 The mode of transport of dangerous goods applies to: land, sea, air

危险货物运输方式适用于：陆运、海运、空运

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

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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