

化学品安全技术说明书 (MSDS)

产品名称 **Product Name:** 消泡剂 Defoamer

按照 GB16483、GB/T17519 编制 Establish according to GB16483、GB/T17519

版本号: 1

修订日期 **Revision date:** 2020 年 6 月 17 日

最初编制日期 **Originally prepared on:** 20180912

EDL-2008 消泡剂 Defoamer

1. 产品物质 **Chemical Product**

产品名称 **Product Name:** 2008

化学品名 **Chemical Name:** 消泡剂 Defoamer

主要用途 **Application:** 涂料的原料 Coating material

企业信息 **information of the company:**

广州致辉精化股份有限公司 **Guangzhou Zhi Hui Fine Chemical Co., Ltd**

广东省广州番禺区番禺大道北 555 号天安科技园总部中心 15 号楼 506

room 506, building No.15, Tian An Hi-Tech Park, NO.555, Panyu Dadaobei Road, Panyu, Guangzhou, Guangdong

电话 **TEL:** 86-020-39211598

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应急咨询电话 **TEL:**139-0301-1334

2. 危险性概述 **Hazards summarizing**

<u>危险分类 hazard classification</u>	<u>危险类别 Hazard type</u>	<u>接触途径 Contact way</u>	<u>靶器官 Targetorgan</u>
易燃液体 Flammable liquid	3		
严重眼刺激 Severe eye irritation	2A	眼睛接触 eye contact	
特定目标器官毒性—单次接触 Specific target organ toxicity - single contact	3		
吸入性危害 Inhalation hazard	1	吸入 inhalation	
生殖毒性 Reproductive toxicity	2		
对水生环境有慢性危害 Chronic harm to the aquatic environment	2		

标签要素根据 GB 15258-2009 (化学品安全标签编写规定) Label elements according to the GB 15258-2009 (General rules for preparation of precautionary label for chemicals):

象形图 Pictograms:



信号词 **Signal word:**

警告

危险性说明 **Hazard description:**

易燃液体和蒸气。 Flammable liquid and vapor

造成眼刺激。 Cause eye irritation.

可能引起呼吸道刺激。 may cause respiratory irritation.

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对水生生物有毒并具有长期持续影响。toxic to aquatic organisms and has long lasting effects.

防范说明 (预防) **Precautionary statements (prevention):**

远离热源/火花/明火/热表面。——禁止吸烟。be far from heat source / fire / flame / hot surface. -- no smoking.

保持容器密封。keep the container sealed

容器和接收设备接地/等势连接。container and receiving equipment grounding / equipotential connection.

使用防爆电气/通风/照明/设备。use explosion-proof electrical / ventilation / Lighting / equipment.

只能使用不产生火花的工具。only use tools which do not produce sparks.

采用防止静电放电的措施。Take measures to prevent electrostatic discharge.

避免吸入粉尘/烟气/气体/雾/蒸气。avoid inhalation of dust / gas / air / mist / steam.

只能在室外或通风良好之处使用。can only be used outdoors or in a well ventilated place.

戴防护手套/穿防护服/戴防护眼罩/戴防护面具。wear protective gloves / protective clothing / eye protection / face protection.

防范说明 (响应) **Precautionary statements(responds):**

如皮肤 (头发) 沾染: 立即去除所有沾染的衣物。用水清洗皮肤/淋浴。such as skin (hair) with removal of all contaminated clothing immediately. Wash skin with water / shower.

如进入眼睛: 用水小心冲洗几分钟。如戴隐形眼镜并可方便取出, 取出隐形眼镜。继续冲洗。if enter eyes: Rinse cautiously with water for several minutes. If wearing contact lenses and can be easily removed, remove contact lenses. Continue to rinse.

如仍觉眼刺激: 求医/就诊。If still feel eye irritation: seek medical advice or treatment.

如发生皮肤刺激: 求医/就诊。If skin irritation occurs: Doctor / clinic.

如误吸入: 将受害人转移到空气新鲜处, 保持呼吸舒适的休息姿势。In case of aspiration: move the victim to fresh air, keep comfortable breathing resting posture.

如感觉不适, 呼叫解毒中心或医生。if you feel unwell, call a poison center or doctor.

不得诱导呕吐。Do not induce vomiting.

收集溢出物。collect spillage.

防范说明 (储存) **Precautionary statements(Storage):**

存放在通风良好的地方。保持低温。stored in a well ventilated place. Keep it cold.

存放在通风良好的地方。保持容器密闭。stored in a well ventilated place. Keep container closed.

存放处须加锁。Repositories should lock.

防范说明 (处置) **Precautionary statements(Disposal):**

根据产品技术安全说明书第13 部分处置。Dispose according to the thirteenth part of the technology of safety instructions

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3. 组成/成份资料 **Composition/data**

化学名称 Chemical Name	CAS No.	危险品标识 Symbol	化学组成 Chemical Composition
Fluorocarbon modified polysiloxane 氟碳改性聚硅氧烷	63148-62-9	F	3-4
Ethylene glycol monobutyl ether 乙二醇单丁醚	111-76-2	T	49-51
Propyl acetate 乙酸丙酯	109-60-4	F	23-25
Cyclohexanone 环己酮	108-94-1	T	21-23

4. 急救措施 **First aid measures**

眼部接触 Eye contact: 接触后立即反起上下眼睑用大量的清水冲洗眼睛至少 15 分钟。Rinse thoroughly with plenty of water for 15 minutes at least.

皮肤接触 Skin contact: 立即用大量的肥皂水冲洗皮肤。脱下被污染的衣服和鞋，再使用前清洗被污染的衣服和鞋子。Wash off immediately with plenty of water and soap. Take off the contaminated clothing and shoes, and clean them before next time you use.

误食 Ingestion: 不能催吐。这种产品在呕吐时会进入肺。如果呕吐产生，使头部低于臀部以防止吸入肺部。立即让受害者喝大量水或牛奶。立即看医生。Do not induce vomiting. This product will enter lung in vomiting. If vomiting, make the head below the hips to prevent the inhalation. Give plenty of water or milk to drink. See a doctor immediately.

吸入 Inhalation: 让患者呼吸新鲜空气。保持温暖和安静。如果逐渐出现呼吸困难要找医生。让受培训的人员进行输氧。Remove immediately to the fresh air. Keep warm and quiet. See a doctor if dyspnea. Let trained people perform the administration of oxygen.

5. 消防措施 **FIRE Fighting Measures**

常见危害 Common hazards: 易燃的液体：这种产品的闪点约等于 30.8 C。这种产品有易燃的危险。在下面部分可以看到有关着火的信息 Flammable liquid: this product's flash point is about 30.8 C. There is a risk of the fire. In the following section you can see information about the fire.

灭火媒介 Extinguishing Media: 使用泡沫，干冰或干粉灭火剂。对于这种产品，在灭火过程不适合用水。可是，水可以用于对那些与火焰接触的容器的表面来冷却和预防破裂。Foam, CO₂ and dry powder. Do not use water. But, the water may use for the surface of these vessels which contact flame to cool and prevent the breakage.

灭火设备 Extinguishing Equipment: 穿上带有呼吸装置(SCBA)和完全灭火保护的衣物。在使用后要彻底净化所有保护设备 Wear self contained breathing apparatus(SCBA) and completely fire-fighting protective clothing. Clean thoroughly all protective equipment after use.

灭火指引 Extinguishing Guidelines: 疏散所有人员离开着火的区域到防爆的场所。尽快把没有燃烧的产品搬到可行的安全场所。Evacuate all personnel from the burning area to the explosion-proof place. Remove the unburned products

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to the safe place as soon as possible.

危险的燃烧产品 Dangerous combustion products: 燃烧可产生一氧化碳, 二氧化碳和刺激或有毒的蒸气和气体

Combustion can produce carbon monoxide, carbon dioxide, and irritation or toxic vapors and gases.

6. 意外泄露措施 ACCIDENTAL RELEASE MEASURES

意外泄露措施 Accidental release measures: 对于小范围的溢漏: 用惰性材料吸收溢出的液体 (黄沙和泥土), 然后放入化学废物容器。用不产生火花的 (非金属的) 工具清除溢出液体。排除所有火源 (火焰, 火花, 电火花和打火工具)。用防爆风扇使区域通风。不能抽烟。 For small-scale spills: absorb spilled liquid with inert material (sand and mud), and then place it in a chemical waste container. Use (non-metallic) tool without producing sparks to clean up spilled liquids. Eliminate all sources of ignition (flame, spark, electrospark and firing tools). Ventilate the area with the explosion-proof fan. No smoking.

对于大范围的溢漏 For large-scale spills: 排除所有火源 (闪光, 火焰包括火花, 电火花)。不能抽烟。没有穿着防护装备的人员 (参阅第 8 部分) 拒绝进入溢漏的区域, 直到完全被清除为止。从源头上防漏。防止溢出材料污染土地或进入排水, 下水道, 河流或其它水体。用黄沙和泥土除去溢出的材料。不能用易燃的材料, 例如锯屑。立即通报有关单位, 同样必需跟踪相关规则。参考第 15 部分关于生效的 CERCLA 报告数量。用泵或真空泵转移溢出产品到清洁的容器中来回收。吸收未回收的产品。把被污染的吸收物, 土壤和其它废弃材料转移到废弃容器中处理。Eliminate all sources of ignition (flash, flame, including spark, electrospark). No smoking. Personnel (see 8th part) Without wearing protective equipments can not enter the spill area, until it is fully cleared. Avoid spills at the source definitely. Prevent overflow materials contaminate land or enter the drainage, sewer, river or other waters. Remove the spilled material with sand and mud. Can not use flammable materials such as saw-dust. Immediately inform the units and track the relevant rules. Refer to Part 15 of the entry into force of the CERCLA report numbers. Transfer the overflow product to clean containers with pumps or vacuum pumps for recycling. Absorption of non-recycled products. Transfer contaminated absorption, soil and other waste materials to the waste container.

7. 处理和贮存 HANDLING AND STORAGE

标志语: **WARNING**

处理 Handling: 不要接近火源 (火焰, 火花, 电火花)。不能抽烟。采用适当的接地和接合措施, 防止静电火花的产生, 因为火花会点燃蒸气。在处理 and 打开容器时要注意。使用时要通风。避免吸入和接触眼睛, 皮肤, 衣物。在处理 after 和饮食前, 要把手彻底洗净。衣服在使用前要清洗干净。Keep away from sources of ignition (flame, spark, electrospark). No smoking. Take use of proper grounding and bonding measures to prevent the generation of static electricity because it will ignite natural steam. Pay attention to the handle and open of the container. Ventilate before use. Avoid inhalation and contact with eyes, skin, clothing. Washed hands thoroughly after treatment and before eating. Clothes should be cleaned before use.

贮存 Storage: 使用后要把容器的盖关紧。贮存在阴凉, 干燥和通风良好的地方, 并远离点火装置-无烟。Well-closed containers after use. Store in a cool, dry and well ventilated place. Keep away from firing equipments-no smoking.

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8. 接触控制 / 个人防护 EXPOSURE CONTROL AND PERSONAL PROTECTION

工程控制 Engineering control: 安装透风设备, 并连接到当地排气装置, 达到暴露限制的要求 Use general or local exhaust extraction ventilation to meet exposure limit requirement.

工作场所有害因素职业接触及生物接触限值 Control parameters

Ethylene glycol monobutyl ether 乙二醇单丁醚	ACGIH	TWA	NO
		TLV	NO
Propyl acetate 乙酸丙酯	ACGIH	TWA	20ppm
		TLV	300ppm
Cyclohexanone 环己酮	ACGIH	TWA	50ppm
		TLV	409ppm

眼睛和皮肤防护 Eye and Skin protection: 佩戴安全护目镜, 穿工作服、围裙和适宜的手套 (氯丁橡胶或丁腈橡胶)。 Safety glasses, uniform, apron, glove (neoprene or nitril rubber are recommended)

呼吸防护 Respiratory protection: 在透风好的环境中不需要呼吸保护装置。如果浓度超过暴露极限, 需采用有过滤装置的呼吸面具来防止有机溶剂的蒸气。 Not required if adequate ventilation exist. If the airborne concentration exceed exposure limit, use adequate respiratory protection such as approved cartridge respirator for organic vapor.

9. 物理和化学特性 PHYSICAL AND CHEMICAL PROPERTIES

颜色 Appearance	微黄或无色透明液体 Yellowish or colorless transparent liquid
有效成份 Active Ingredients	3.0~4.0%
比重 Specific Density	0.856±0.050 (g/cm ³ , 25°C)
折光率 Refractivity	1.4800±0.0050 (25°C)
闪点 Flash point	30.8°C
相容性 Compatibility	与二甲苯、甲苯、酮、酯混溶。 Miscible with xylene, toluene, ketone and ester.
蒸汽压 Vapor pressure	0.90-1.10kPa
PH值	6~7
水溶性 Water Solubility	不溶于水 not soluble in water
沸点范围 Boiling range	101°C-171°C
气味 Odor	刺激性气味 Pungent odor

10. 稳定性和反应性 STABILITY AND REACTIVITY

稳定性 Stability: 在常温和贮存条件下稳定 Stable under normal temperature and recommended storage conditions.

不相容性 No compatibility: 避免接触: 氧化剂、还原剂、强碱性化合物、阳光直射等 Keep away from the oxidant, reductant, alkali compounds, direct sunlight, etc

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危险的分解产物 Dangerous decomposition product: 热分解会产生一氧化碳、二氧化碳、氮类氧化合物。
The decomposition can produce all kinds of Carbon monoxide, carbon dioxide, nitrogen oxides.

危险的聚合 Dangerous polymerization: 无 None

11. 毒性信息 TOXICOLOGICAL INFORMATION

乙二醇单丁醚毒理学数据: Toxicology data of ethylene glycol monobutyl ether

急性毒性 **Acute toxicity:** LD50:1200mg/kg (大鼠经口 rat by mouth)

慢性毒性 **Chronic toxicity:** 可能会刺激呼吸道及眼睛, 损害血液细胞及产生血尿。May irritate the respiratory tract and eyes, damage blood cells and produce hematuria.

致畸性 **Teratogenicity:** 25ppm/6H (怀孕 6-15 天雌鼠, 吸入) 造成胚胎不正常。(Female rats 6-15 days pregnant, inhalation) caused abnormal embryos.

乙酸丙酯毒理学数据: Toxicological data of propyl acetat

急性毒性 **Acute toxicity:** LD50:9370mg/kg (大鼠经口 rat by mouth) LC50:刺激性 Irritating, 人经眼 Human eye: 400ppm, 引起刺激 Cause irritation.

环己酮毒理学数据: Toxicological data of cyclohexanone

急性毒性 **Acute toxicity:** LD50:1535mg/kg (大鼠经口 rat by mouth)

LC50:32080mg/m³, 4 小时 (大鼠吸入 Rat inhalation)

刺激性 **Irritating:** 人经眼 Human eye: 75ppm, 引起刺激 Cause irritation.

家兔经皮 **Rabbit percutaneous:** 500mg, 轻度刺激 Mild stimulation.

12. 生态信息 Ecological Information

乙二醇单丁醚、乙酸丙酯、环己酮生态学数据: Ecological data of ethylene glycol monobutyl ether, propyl acetate, cyclohexanone

该物质对环境可能有危害, 对水体应给予特别注意。This substance may be hazardous to the environment, and special attention should be given to water bodies.

13. 处理须知 DISPOSAL INFORMATION

按照当地环境保护法规进行废物处理。Waste disposal should be handled in accordance with local environment protection regulations.

14. 运输信息 TRANSPORT INFORMATION

	DOT 运输信息	IMO 运输信息
运输名 name:	消泡剂、易燃 Defoamer ,flammable	消泡剂、易燃 Defoamer,flammable
危险等级 danger classes:	3	3.3 级
ID 号:	UN1263	UN1263
包装组 packing group:	PG II	PG II
必须的运输 specific transport	易燃液体 flammable liquid	易燃液体 flammable liquid
标签 label :		

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15. 调整信息 REGULATORY INFORMATION

- 《危险化学品安全管理条例》2013 年 12 月 4 日国务院第 32 次常务会议修订通过, 自 2013 年 12 月 7 日起施行。

The Regulation on the safe Management of Hazardous Chemicals revised and approved by the State Council at its 32 executive meeting on 4 December 2013 was hereby promulgated and implemented as of 7 December 2013.

- 《化学品安全技术说明书编写指南》(GB/T17519-2013) 《Guidance on the compilation of safety data sheet for chemical products》(GB/T17519-2013)

16. 其它信息 OTHER INFORMATION

不承诺 No commitment: 上述信息仅供参考。我们的产品主要出售给工业和商业客户。我们要求客户在使用前检查和测试我们的产品, 并满足他们合适应用的要求。根据以上信息, 对产品的使用所产生的结果, 由客户和第三方负责。 The above information is for reference only. Our products are mainly sold to industrial and commercial customers. We require customers to inspect and test our products before use, and meet the requirements of their application. According to above information, the results come from the use of products are responsible by the customers.