

**SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**Rubber Antireversion Agent Duralink HTS****HS Code: 38121000.00****1. 化学品及企业标示(CHEMICAL PRODUCT AND COMPANY IDENTIFICATION)**

产品标签名/ Product label name	二水合六亚甲基-1,6-二硫代硫酸二钠盐 Hexamethylene-1,6-bis(thiosulfate),disodium salt,dihydrate 深圳市华起达实业有限责任公司 Meyors Chemical INC Limited 深圳市罗湖区中兴路外贸集团大厦 2610-2611 室
供应商/ Supplier	RM 2610-2611 Foreign Trade Building, Zhong Xing Road Shen Zhen. China TEL: +86-755-82184166 FAX:+86-755-82187033
紧急电话/ Emergency telephone	+86-755-82190130
产品用途/ Intended use	抗硫化返原剂/ Vulcanization-resistant antireversion agent

2. 成分/组成信息(COMPOSITION/INFORMATION ON INGREDIENTS)

化学名/ Chemical name	二水合六亚甲基-1,6-二硫代硫酸二钠盐 Hexamethylene-1,6-bis(thiosulfate),disodium salt,dihydrate
CAS 编号/ CAS NO.	5719-73-3
产品描述/ Chemical description	白色粉末/White powder
TSCA NO.编码/ TSCA NO.	无/ none
EINECS 号码/ EINECS NO.	无/ none
其他信息/ Other information	Formula: C ₆ H ₁₆ Na ₂ O ₈ S ₄

3. 危险性概述(HAZARDS IDENTIFICATION)

经常接触可能会导致皮肤过敏。对水生有机体有危害，对水生环境可能有长期毒害。	Repeated contact may cause skin sensitization. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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4. 急救措施(FIRST AID MEASURES)

症状和效果/ Symptoms and effects	Dust may be irritating to the respiratory tract and cause symptoms of bronchitis. Repeated contact may cause skin sensitization. 粉尘可能吸入呼吸道，从而导致支气管炎。 经常接触可能导致皮肤过敏。
急救/ First aid	
通常情况/ General	In all cases of doubt, or when symptoms persist, seek medical attention. 任何可疑情况，或有任何症状出现，请马上找医生咨询。
吸入/ Inhalation	Move to fresh air. If symptoms persist, seek medical advice. 呼吸新鲜空气。如果有持续症状，请马上就医。



皮肤/ Skin	Remove all contaminated clothing immediately. Wash off with plenty of soap and water. Seek medical advice if irritation develops. Launder clothes before reuse. 立即移走所有被污染的衣物。用肥皂和清水冲洗。 如果出现过敏症状请立即就医。衣物重新使用前需洗涤干净。
眼睛/ Eye	Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops. 翻开眼睑用清水冲洗干净。 确保洗除残渣。如果出现愤怒症状请就医。
摄取/ Ingestion	Only when conscious, rinse mouth, give plenty of water to drink. DO NOT induce vomiting. Seek medical advice. 仅仅当清醒时用足量的水冲洗。不要诱导呕吐，寻求医生帮助。
医生建议/ Advice to physician	No specific recommendations. 无详细建议。

5. 消防措施(FIRE-FIGHTING MEASURES)

灭火媒介/ Extinguishing media	waterspray, water mist, foam, dry chemical powder, CO ₂ . 喷水，水雾，泡沫，干粉灭火器，CO ₂
不适用的灭火媒介 / Unsuitable extinguishing media	No specific recommendations
特殊危险/ Special exposure hazards	Emits toxic fumes under fire conditions. 在火灾情况下的浓烟，电磁场。
分解腐烂危险/燃烧产品/ Hazardous decomposition/ combustion products	Carbon monoxide (CO), Sulfur oxides (SOx). 一氧化碳，硫的氧化物。
保护设备/ Protective equipment	Wear self contained breathing apparatus. 需佩戴空气呼吸器。
其他信息/ Other information	Do not allow run-off from fire fighting to enter drains or water courses. 避免消防水接触下水道，土地或水源。

6. 泄露应急处理(ACCIDENTAL RELEASE MEASURES)

个人防范/ Personal precautions	For personal protection see Section 8. Avoid dust generation. 对于个人防范请参照第 8 部分。避免粉尘的产生。
环境预防/ Environmental precautions	Avoid discharge into the environment. 避免流入环境之中。
清洁处理方法/ Methods for cleaning up	Collect as much as possible in a clean container for (preferable) reuse or disposal. 尽可能的将其收集在清洁的容器里以便回收或集中处理。

7. 操作处置与储存(HANDLING AND STORAGE)

操作处置/ Handling	Avoid contact with skin. Avoid breathing dust. 避免接触皮肤。
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火灾爆炸处理/
Fire and explosion prevention

避免吸入灰尘。
Dust/air mixtures may ignite violently upon exposure to sparks or sources of ignition.
Dust explosion class (VDI 2263): St-1.
Kst: 112 bar.m/s.
Maximum corrected explosion pressure: 7.1bar.
粉尘/空气 混合物可能会引起猛烈的爆炸。
粉尘爆炸等级(VDI 2263): St -1。
Kst: 112 bar.m/s.
最大修正爆炸压力: 7.1 bar.
Store in a dry and cool place.
储存于干燥与阴凉的地方。

储存要求/ **Storage requirements**

8. 接触控制/个体防护(EXPOSURE CONTROLS/PERSONAL PROTECTION)

工程学控制/ **Engineering controls**

Avoid dust generation.
Ensure good ventilation and local exhaustion of the working area.
避免粉尘产生。确保当地工作场所通风。

暴露限制/ **Exposure limits**

名称/ **Name:** 二水合六亚甲基-1,6-二硫代硫酸二钠盐
Hexamethylene-1,6-bis(thiosulfate),disodium salt,dihydrate

no exposure limit has been established
已确定没有限制

个体防护/ **Personal protection**

呼吸器/ **Respiratory**

Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment.
避免吸入粉尘。在通风不畅的情况下请佩带相应的呼吸器。

手/ **Hand**

Wear suitable gloves.
佩戴相应的长手套。

眼/ **Eye**

Wear safety goggles.
佩戴防护眼罩。

皮肤和身体/ **Skin and body**

Wear suitable protective clothing.
穿戴相应的保护服装。

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

外观/ Appearance	White powder 白色粉末	颜色/ Colour	white 白色
气味/ Odor	characteristic 特有的气味	沸点/ Boiling point	not determined 不能确定
熔点/ Melting point	not determined 不能确定	闪点/ Flash point	not determined 不能确定
易燃性/ Flammability	not (in)flammable	爆炸极限/ Explosion limits	Lower Explosion Limit (LEL): 325 g/m³.
爆炸性/	dust explosion	自燃温度/	not determined



Explosive properties	hazard	Autoignition temperature	不能确定
氧化性/ Oxidizing properties	not applicable 不适用	蒸汽压/ Vapour pressure	not determined 不能确定
比重/ Density	1400 kg/m ³	体积密度/ Bulk density	not determined 不能确定
溶解性/ Solubility in water	0.307 kg/m ³ (20 °C)	在其它溶剂中的溶解性 Solubility in other solvents	not determined 不能确定
纯度/ Assay Content%≥	98	分解系数/ Partition coefficient	not applicable 不能提供
n-octanol/water	not applicable 不能提供	相对蒸汽密度/ (air=1) Relative vapour density	not applicable 不能提供
粘性/ Viscosity	not applicable/不能提供		

10. 稳定性和反应性(STABILITY AND REACTIVITY)

稳定性/ Stability	Stable under recommended storage and handling conditions (see section 7). 推荐的稳定储存和搬运条件（请参照第 7 部分）
应避免的情况/ Conditions to avoid	Heating > 100 °C. Product decomposes giving off toxic fumes. 大于 100 °C，产品分解放出有毒气体。
应避免的物质/ Materials to avoid	No specific recommendations. 无特殊推荐。
腐烂分解毒害性产品/ Hazardous decomposition products	Carbon monoxide (CO), Sulfur oxides (SOx). 一氧化碳，硫的氧化物。

11. 毒理学资料(TOXICOLOGICAL INFORMATION)

名称/ Name	二水合六亚甲基-1,6-二硫代硫酸二钠盐 Hexamethylene-1,6-bis(thiosulfate),disodium salt,dihydrate
敏感性毒害/ Acute toxicity	
口头的/ Oral LD50	Rat:>5000mg/kg
皮肤的/ Dermal LD50	Rat:>5000mg/kg
易愤怒/ Irritation	
皮肤/ Skin	Slightly irritating to skin but not sufficient for classification. 对皮肤有轻微刺激但未达到分级阶段。
眼睛/ Eye	Slightly irritating to eyes but not sufficient for classification. 对眼有轻微刺激但未达到分级阶段。

12. 生态学资料(ECOLOGICAL INFORMATION)

名称/ Name	二水合六亚甲基-1,6-二硫代硫酸二钠盐 Hexamethylene-1,6-bis(thiosulfate),disodium salt,dihydrate
生态学/ Ecotoxicity	



鱼/ fish	96h-LC50 (Lepomis macrochirus): >1000 mg/l 96h-LC50 (Oncorhynchus mykiss): >1000 mg/l.
水蚤/ daphnia	4 48h-EC50 (Daphnia magna): >80 mg/l.

藻类/ algae -----

Fate

初级生物/ Degradation Biotic Modified Sturm Test (OECD 301 B): 10% Biodegradable / 10 days
Not readily biodegradable..

13. 废弃处理(DISPOSAL CONSIDERATIONS)

产品/ Product	Avoid discharge into the environment. This material and its container must be disposed of as hazardous waste. Small quantities: According to local regulations. Large quantities: Consult Meyors Chemical for special advice. 避免流入环境。材料和集装箱必须作为废弃危险品 小量：根据当地规定。 大量：请联系美尔化工获取建议。
包装污染/ Contaminated packaging	According to local regulations. 根据当地规定。
其他信息/ Other information	Waste code number: Please refer to your specific industry in the European Waste Catalogue. 消耗物代码：请联系欧洲在消耗物领域的特殊工业。

14. 运输信息(TRANSPORT INFORMATION)

陆运/ Land transport (ADR/ RID)

ADR 等级/ ADR class	RID 等级/ RID class
ADR/RID 包装组成/ ADR/RID packing group	危害鉴定号/ Hazard Identification No.
物质鉴定号/ Substance Identification No.	UN 号 UN number
	None

适当海运名称/ Proper Shipping Name
Environmentally hazardous substance, solid, n.o.s.
(Hexamethylene-1,6-bis(thiosulfate),disodium salt,dihydrate)
环境危害物质，固体， n.o.s
(二水合六亚甲基-1,6-二硫代硫酸二钠盐)

海运/ Sea transport (IMDG-code/ IMO)

正确的技术名称/ Correct technical name	----	IMDG 等级/ IMDG Class	Not relevant
UN 号码/ UN Number	None	包装组成/ Packaging group	Environmentally hazardous substance,



Solid

EMS 号/ EMS Number Not relevant ----

空运/ Air transport (ICAO-TI/ IATA-DGR)

ICAO-TI/IATA-DGR 等级

UN 号

ICAO-TI/IATA-DGR Class

UN number

None

包装组成

Packing group

Environmentally hazardous substance, solid, n.o.s.

正确的技术名称

(Hexamethylene-1,6-bis(thiosulfate),disodium salt,dihydrate)

Correct technical name

环境危害物质, 固体, n.o.s

(二水合六亚甲基-1,6-二硫代硫酸二钠盐)

15. 法规信息(REGULATORY INFORMATION)

化学品描述/ Chemical description

二水合六亚甲基-1,6-二硫代硫酸二钠盐

Hexamethylene-1,6-bis(thiosulfate),disodium salt,dihydrate

标签根据 EC 指标/ Labelling according to EC directives

EC 号/ EC-number

See section 2

查看第 2 部分

分级标准/ Classification based on

Annex-1 to directive 67/548/EEC

根据 67/548/EEC 指示

危险性短语/ R(isk) phrase(s)

R 41: Risk of serious damage to eyes

R 43 May cause sensitization by skin contact

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R 41 对眼睛有严重的损害。

R 43 可能导致皮肤接触加剧。

R 50/53 对水生有机体有剧毒, 可能导致对水生环境的长期影响。

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S 60 This material and its container must be disposed of as hazardous waste

安全性短语/ S(afety) phrase(s)

S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets

S 26 如果接触到眼睛立即用足量的水冲洗。

S 37 佩戴相应的衣服, 手套, 眼罩。

S 60 这种物质和其容器必须按照有害物质的原则进行相应处理。

S 61 避免释放到环境, 参照相关指令或安全数据表。

其他信息/ Other information

To be displayed on the label: "EC label".



显示在"EC label"标签上。

Wassergefährdungsklasse (WGK)

1 (VwVwS Anhang 3)

16. 其他信息(OTHER INFORMATION)

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

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