

**SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**Rubber antireversion agent WK901****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	1,3-双(柠糠酰亚胺甲基)苯 1,3-Bis(citraconimidomethyl)benzene 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	1,3-双(柠糠酰亚胺甲基)苯 1,3-Bis(citraconimidomethyl)benzene
CAS 编号/ CAS NO.	119462-56-5
产品描述/ Chemical description	浅白色粉末/ Light 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 ₁₈ H ₁₆ N ₂ O ₄

3. 危险性概述(HAZARDS IDENTIFICATION)

经常接触可能会导致皮肤过敏。对眼睛有很大的伤害。如果吞食了长期暴露的产品会严重损害身体健康。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. Risk of serious damage to eyes. Danger of serious damage to health by prolonged exposure if swallowed.Very toxic 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. Risk of serious damage to eyes. Repeated contact may cause skin sensitization. 粉尘可能吸入呼吸道，从而导致支气管炎。 对眼睛有很大的伤害。经常接触可能导致皮肤过敏。
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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

Rinse mouth, give water to drink.

请漱口，喝水。

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.

喷雾，水雾，泡沫，干粉灭火器。

不适用的灭火媒介

waterjet.

/ Unsuitable extinguishing media

水注（流）

特殊危险/ Special exposure hazards

none known.

分解腐烂危险/燃烧产品/**Hazardous decomposition/
combustion products**

hydrogen cyanide (HCN), nitrous gases (NOx).

氢化氰，氮的氧化物。

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。
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7. 操作处置与储存(HANDLING AND STORAGE)

操作处置/ Handling	Avoid contact with skin and eyes. Avoid breathing dust. 避免接触皮肤和眼睛。 避免吸入灰尘。
储存要求/ Storage requirements	Store in a dry and cool place. 储存于干燥与阴凉的地方。

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

工程学控制/ Engineering controls	Ensure good ventilation and local exhaustion of the working area. 确保当地工作场所通风。
暴露限制/ Exposure limits	
名称/ Name: 1,3-双(柠檬酰亚胺甲基)苯 1,3-Bis(citraconimidomethyl)benzene	OES-TWA 5.0 mg/m ³ OES-TWA 10.0 mg/m ³ (total inhalable dust)
个人防护/ Personal protection	
呼吸器/ Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment. 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	specific 特殊的气味	沸点/ Boiling point	>280 °C
熔点/ Melting point	80 °C-90 °C	闪点/ Flash point	>360 °C
易燃性/ Flammability		爆炸极限/ Explosion limits	not applicable 不能提供
爆炸性/ Explosive properties	none	自燃温度/ Autoignition temperature	above Melting point/range



氧化性/ Oxidizing properties	not applicable 不适用	蒸汽压/ Vapour pressure	5*10E-5 Pa (25 °C)
比重/ Density	1270 kg/m³ (20 °C)	体积密度/ Bulk density	720 - 770 kg/m³ (compacted)
溶解性/ Solubility in water	40.7 mg/l (20 °C)	在其它溶剂中的溶解性 Solubility in other solvents	Xylene, Methylenechloride 二甲苯, 亚甲基氯
PH 值/ pH value		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

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	No specific recommendations. 无特殊推荐。
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	hydrogen cyanide (HCN), nitrous gases (NOx). 氢化氰, 氮的氧化物。

11. 毒理学资料(TOXICOLOGICAL INFORMATION)

名称/ Name	1,3-双(柠檬酰亚胺甲基)苯 1,3-Bis(citraconimidomethyl)benzene
敏感性毒害/ Acute toxicity	
口头的/ Oral LD50	Rat: > 2000mg/kg
皮肤的/ Dermal LD50	Rat: > 2000mg/kg
易愤怒/ Irritation	
皮肤/ Skin	Non-irritating 没有刺激。
眼睛/ Eye	severe irritation 强烈的刺激。

12. 生态学资料(ECOLOGICAL INFORMATION)

名称/ Name	1,3-双(柠檬酰亚胺甲基)苯 1,3-Bis(citraconimidomethyl)benzene
生态学/ Ecotoxicity	



鱼/ fish	96h-LC50 (Oncorhynchus mykiss): 0.17 mg/l. No Observed Effect Concentration (NOEC): 0.066 mg/l.
水蚤/ daphnia	48h-EC50 (Daphnia magna): 2.06 mg/l. No Observed Effect Concentration (NOEC): 0.74 mg/l.
藻类/ algae	96h-IC50 = 20 mg/l, No Observed Effect Concentration (NOEC) < 7.9 mg/l.
Fate	
初级生物/ Degradation Biotic	Modified Sturm Test: 31% in 28 days, 80 % in 73 days (Inherently biodegradable) MITI: 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	9	RID 等级/ RID class	9
ADR/RID 包装组成/	III	危害鉴定号/	90
ADR/RID packing group		Hazard Identification No.	
物质鉴定号/	3077	UN 号	3077
Substance Identification No.		UN number	
	Environmentally hazardous substance, solid, n.o.s.		
适当海运名称/	(1,3-Bis(citraconimidomethyl)benzene)		
Proper Shipping Name	环境危害物质，固体，n.o.s		
	(1,3-双(柠糠酰亚胺甲基)苯)		
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 ICAO-TI/IATA-DGR Class	9	UN 号 UN number	3077
包装组成 Packing group	III		
正确的技术名称 Correct technical name	(1,3-Bis(citraconimidomethyl)benzene) 环境危害物质, 固体, n.o.s (1,3-双(柠糠酰亚胺甲基)苯)		

15. 法规信息(REGULATORY INFORMATION)

化学品描述/ Chemical description	1,3-双(柠糠酰亚胺甲基)苯 1,3-Bis(citraconimidomethyl)benzene
标签根据 EC 指标/ Labelling according to EC directives	See section 2 查看第 2 部分
EC 号/ EC-number	Annex-1 to directive 67/548/EEC 根据 67/548/EEC 指示
分级标准/ Classification based on	
符号 (欧盟分类) /Symbol(s) (EU classification)	HARMFUL (Xn) DANGEROUS FOR THE ENVIRONMENT (N) 有害 (Xn) 危害环境 (N) R 41: Risk of serious damage to eyes R 43: May cause sensitization by skin contact R 48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R 41: 严重伤害眼睛的风险 R 43: 可能通过皮肤接触引起过敏 R 48/22: 有害: 长期吞食会严重危害健康
危险性短语 (欧盟分类) / R(isk) phrase(s)(EU classification)	



安全性短语（欧盟分类）/ S(safety) phrase(s)(EU classification)

R 50/53: 对水生生物有剧毒，可能对水生环境造成长期不利影响。

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

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

其他信息/ Other information

S 26: 万一接触到眼睛，请立即用大量清水冲洗并就医。

S 36/37/39: 穿着合适的防护服，手套和眼睛/面部防护设备

S 60: 此材料及其容器必须作为危险废物处理

S 61: 避免释放到环境中。请参阅特殊说明/安全数据表

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

显示在"EC label"标签上。

Wassergefährdungsklasse (WGK)

3 (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.

这些信息仅仅涉及以上提到的产品，如果用于其他产品或其他过程，本公司不付任何法律责任。这些信息是我们当前最新最好的资料编写而成，值得信任，但我们不能绝对保证没有错误。它仅仅起到提醒使用者自己使这些信息指导相关产品用于适当的地方。

危险性短语信息/R-phrased information

化学名称/ Chemical name

危险性短语/Risk-phrased(s)

1,3-Bis(citraconimidomethyl)benzene
1,3-双(柠糠酰亚胺甲基)苯

R41 R43 R50/53
R48/22

Risk of serious damage to eyes May cause sensitization by skin contact Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Harmful: danger of serious damage to health by prolonged exposure if swallowed
眼睛受到严重伤害的危险皮肤接触可能引起过敏。对水生生物有剧毒，可能对水生环境造成长期不利影响。有害：长期吞食会严重损害健康