

**SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**Rubber Antioxidant SP-C****HS Code: 29071990.90****1. 化学品及企业标示(CHEMICAL PRODUCT AND COMPANY IDENTIFICATION)**

产品标签名/ Product label name	苯乙烯化苯酚 Styrenated phenols 深圳市华起达实业有限责任公司 Meyors Chemical INC Limited
供应商/ Supplier	深圳市罗湖区中兴路外贸集团大厦 2610-2611 室 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	橡胶防老剂/ Rubber Antioxidant

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

化学名/ Chemical name	苯乙烯化苯酚 Styrenated phenols
CAS 编号/ CAS NO.	61788-44-1
产品描述/ Chemical description	浅白色或灰白色粉末/ Light or off-white powder
TSCA NO. 编码/ TSCA NO.	无/ none
EINECS 号码/ EINECS NO.	无/ none
其他信息/ Other information	-----

3. 危险性概述(HAZARDS IDENTIFICATION)

远离高温、火花、火焰。燃烧产生剧毒烟雾。会刺激皮肤和眼睛。	Keep away from heat, sparks, and flame. Burning material emits highly toxic vapors. This material may cause transient skin and eye irritation
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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。 Remove all contaminated clothing immediately. Wash off with plenty of soap and water.
皮肤/ Skin	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。 如果出现愤怒、烦躁症状请立即就医。衣物重新使用前需洗涤干净。 Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to
眼睛/ Eye	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。 If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
摄取/ Ingestion	如果吞食, 立即求医师。只有在医师指示下诱导呕吐。绝不能放任何东西在一个昏迷人口中。
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	water mist, foam, dry chemical powder, CO ₂ 水雾, 泡沫, 干粉灭火器, CO ₂
不适用的灭火媒介 / Unsuitable extinguishing media	waterjet. 水注 (流)
特殊危险/ Special exposure hazards	Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Decomposition in fire may produce toxic gases. 在安全位置灭火, 用喷水来冷却火面。消防会分解产生有毒气体。
分解危险/燃烧产品/ Hazardous decomposition/ combustion products	Carbon monoxide (CO), carbon dioxide(CO ₂). 一氧化碳, 二氧化碳。
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	Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material. Avoid contact with eyes, skin and clothing. Reclose containers of unused product. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Do not reuse this container. Store in a dry and cool place. Avoid exposure to direct sunlight.
储存要求/ Storage requirements	储存于干燥与阴凉的地方。避免在阳光暴晒。

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: 苯酚 phenols	ACGIH-TWA 19 mg/m ³
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戴相应的呼吸器。
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	Light or off-white powder 浅白色或灰白色粉末	颜色/ Colour	Light or off-white 浅白色或灰白色
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气味/ Odor	Special smell	沸点/ Boiling point	>250°C
熔点/ Melting point	not applicable 不能提供	闪点/ Flash point	182°C
易燃性/ Flammability	Solid:substance:not (in)flammable.	爆炸极限/ Explosion limits	not applicable 不能提供
爆炸性/ Explosive properties	Dust:dust-explosion hazard(灰尘爆炸危险)	自燃温度/ Auto ignition temperature	not applicable 不能提供
氧化性/ Oxidizing properties	not applicable 不适用	灰份 Ashes %	30-35
比重/ Density	not applicable 不适用	加热减量 Loss on drying (%):	5.0
溶解性/ Solubility in water	INSOLUBLE 不溶	在其它溶剂中的溶解性 Solubility in other solvents	Benzene,alcohol, acetone 苯, 乙醇, 丙酮
PH 值/ pH value	5.5-8.5	分解系数/ Partition coefficient	not applicable 不能提供
n-octanol/water	not applicable 不能提供	100 °C 下的蒸发压强 Steam pressure at 100'C	not applicable 不能提供
粘性/ Viscosity	4000-5500 cps @ 25°C 2.00-6.00 mPa.s @25°C		

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	Keep away from heat,sparks and flame. Avoid contact with strong oxidants such as liquid chlorine and concentrated oxygen. 远离高温、火花、火焰。避免接触强氧化剂等例如集中液态氧和 氯。
应避免的物质/ Materials to avoid	Contact with oxidizing agents. Contact with air.
腐烂毒害性产品/ Hazardous decomposition products	Thermal decomposition products: carbon monoxide (CO), carbon dioxide(CO ₂) 热分解产品: 一氧化碳., 二氧化碳。

11. 毒理学资料(TOXICOLOGICAL INFORMATION)

名称/ Name	苯乙烯化苯酚 Styrenated phenols
敏感性毒害/ Acute toxicity	
口头的/ Oral LD50	老鼠/ rat: 3550 mg/kg.



皮肤的/ Dermal LD50 兔子/ rabbit::>7940 mg/kg.

易愤怒/ Irritation

皮肤/ Skin

May cause skin defatting with prolonged exposure.

长期接触可能导致皮肤脱皮。

眼睛/ Eye

Causes mild eye irritation

对眼有轻微刺激。

12. 生态学资料(ECOLOGICAL INFORMATION)

名称/ Name

苯乙烯化苯酚

Styrenated phenols

生态学/ Ecotoxicity

鱼/ fish

水蚤/ daphnia

初级生物/ Degradation Biotic

不能被轻易分解/ Not readily biodegradable.

13. 废弃处理(DISPOSAL CONSIDERATIONS)

产品/ Product

Avoid discharge into the environment.

Small quantities: According to local regulations.

Large quantities: Consult Meyors Chemical for special advice.

避免流入环境。

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

not restricted

RID 等级/ RID class

not restricted

ADR/RID 包装组成/

III

危害鉴定号/

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/

(Styrenated phenols)

Proper Shipping Name

环境危害物质, 固体, n.o.s

苯乙烯化苯酚



海运/ Sea transport (IMDG-code/ IMO)

正确的技术名称 Correct technical name	----	IMDG 等级 IMDG Class	none
UN 号码/ UN Number	Not relevant	包装组成 Packaging group	III
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	not restricted	UN 号 UN number	3077
包装组成 Packing group	Environmentally hazardous substance, Solid 对环境有害的物质, 固体。 Environmentally hazardous substance, solid, n.o.s.		
正确的技术名称 Correct technical name	(Styrenated phenols I) 环境危害物质, 固体, n.o.s 苯乙烯化苯酚		

15. 法规信息(REGULATORY INFORMATION)

化学品描述/ Chemical description	苯乙烯化苯酚 Styrenated phenols
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	R 43 May cause sensitization by skin contact R 50/53 Very Innocuous to aquatic organisms, may cause long-term adverse effects in the aquatic environment
危险性短语/ R(isk) phrase(s)	R 43 可能导致皮肤接触加剧。 R 50/53 对水生有机体无毒, 可能导致对水生环境的长期影响。
安全性短语/ Safety phrase(s)	S 24 Avoid contact with skin S 37 Wear suitable gloves 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 24 避免接触皮肤。 S 37 配戴相应的手套。 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。 To be displayed on the label: "EC label".



显示在"EC label"标签上。

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。

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