

**SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**Rubber Antioxidant SPP****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 Meyor Industrial Co.,Ltd
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)

- Hazard description: If ignited by excessive heat or open flame, this product will burn.
- Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of international guidelines.

- Classification system:
- NFPA ratings (scale 0 - 4)



Health = 0
Fire = 1
Reactivity = 0

4. 急救措施(FIRST AID MEASURES)



	Dust may be irritating to the respiratory tract and cause symptoms of bronchitis.
症状和效果/ Symptoms and effects	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
摄取/ Ingestion	unconscious person. 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） Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces.
特殊危险/ Special exposure hazards	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, and chewing gum, using tobacco or using the toilet. Do not reuse this container.

储存要求/ Storage requirements

Store in a dry and cool place. Avoid exposure to direct sunlight.

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/m³

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
气味/ Odor	Special smell	沸点/ Boiling point	>250℃
熔点/ Melting point	not applicable 不能提供	闪点/ Flash point	182℃
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%/ Ash %	30±1
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
SP Viscosity@25℃≥ 25℃SP 的粘度≥	8000		

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) 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。
应避免的情况/ Conditions to avoid	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)

• UN-Number	
• DOT, ADN	Void
• ADR, IMDG, IATA	UN3082
• UN proper shipping name	
• DOT, ADN	Void
• ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S. (Phenol, styrenated)
• IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S. (Phenol, styrenated)
• Transport hazard class(es)	
• DOT, ADN	
• Class	Void
• ADR	



	<ul style="list-style-type: none"> • Class 9 (M6) Miscellaneous dangerous substances and articles • Label 9 • IMDG, IATA
	<ul style="list-style-type: none"> • Class 9 Miscellaneous dangerous substances and articles. • Label 9 • Packing group Void • DOT III • ADR, IMDG, IATA • Environmental hazards: Product contains environmentally hazardous substances: Phenol, styrenated • Marine pollutant: Symbol (fish and tree) • Special marking (ADR): Symbol (fish and tree) • Special marking (IATA): Symbol (fish and tree) • Special precautions for user Warning: Miscellaneous dangerous substances and articles • Danger code (Kemler): 90 • EMS Number: F-A,S-F • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable • Transport/Additional information: UN3082, ENVIRONMENTALLY HAZARDOUS • DOT SUBSTANCE, LIQUID, N.O.S. (Phenol, styrenated), 9, III • UN "Model Regulation":

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	
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 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 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
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。

其他信息/ Other information**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。