

**MATERIAL SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**RubberAnchoring agent: Resin R 7522E****HS Code: 39111000.00****1. 化学品及企业标示(CHEMICAL PRODUCT AND COMPANY IDENTIFICATION)**

产品标签名/ Product label name	4-叔丁基酚醛树脂 4-tert-butyl phenol formaldehyde resin 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, 82194708 FAX: +86-755-82187033
紧急电话/ Emergency telephone	+86-755-82194108
产品用途/ Intended use	橡胶增粘剂/ Rubber Anchoring agent

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

化学名/ Chemical name	4-叔丁基酚醛树脂 4-tert-butyl phenol formaldehyde resin
CAS 编号/ CAS NO.	28514-92-3
产品描述/ Chemical description	棕色片状/ brown flake
TSCA NO. 编码/ TSCA NO.	无/ none
EINECS 号码/ EINECS NO.	无/ none
其他信息/ Other information	Molecular weight: Mn 2000/ Mw 3000

**3. 危险性鉴定(HAZARDS IDENTIFICATION)**

长期接触可能会导致皮肤过敏。对水生环境可 能有长期毒害。	Long-term contact may cause skin sensitization. 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。
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, CO <sub>2</sub> 喷物，水雾，泡沫，干粉灭火器，CO <sub>2</sub>
不适用的灭火媒介 / Unsuitable extinguishing media	Not known 不知。
保护设备/ Protective equipment	Wear self contained breathing apparatus. 需配戴空气呼吸器。
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 dust generation. 避免接触皮肤。避免粉尘。。
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	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。
个体防护/ Personal protection	
呼吸器/ Respiratory	Avoid breathing dust. In case of insufficient ventilation,



手/ Hand

眼/ Eye

皮肤和身体/ Skin and body

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。

Wear suitable gloves.

佩戴相应的长手套。

Wear safety goggles.

佩戴防护眼罩。

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	Brown flake 棕色片状	颜色/ Colour	Brown 棕色
气味/ Odour	--	沸点/ Boiling point	not applicable
软化点/ softening point	120-140℃	闪点/ Flash point	---
易燃性/ Flammability	not applicable	爆炸极限/ Explosion limits	----
爆炸性/ Explosive properties	not applicable	自燃温度/ Auto ignition temperature	450℃
氧化性/ Oxidizing properties	not applicable	蒸汽压/ Vapour pressure	----
比重/ Density	Approx.1.10 g/cm <sup>3</sup> (25℃)	体积密度/ Bulk density	----
溶解性/ Solubility in water	Insoluble in water 不溶于水	在其它溶剂中的溶解性/ Solubility in other solvents	Benzene toluene, 苯, 甲苯
PH 值/ pH value		分解系数/ Partition coefficient	
Loss on drying % Max 加热减量	0.5 (Max)	相对蒸汽密度/ (air=1) Relative vapour density	

## 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).
应避免的物质/ Materials to avoid	推荐的稳定储存和搬运条件 (请参照第 7 部分) No specific recommendations.
腐烂分解毒性产品/ Hazardous decomposition products	无特殊推荐。 No hazardous decomposition products known.. 目前所知无危险分解品。

## 11. 毒理学资料(TOXICOLOGICAL INFORMATION)

名称/ Name	4-叔丁基酚醛树脂/ 4-tert-butyl phenol formaldehyde resin
敏感性毒害/ Acute toxicity	
口头的/ Oral LD50	老鼠/ rat: >2000 mg/kg.
皮肤的/ Dermal LD50	兔子/ rabbit:> 2000 mg/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**

4-叔丁基酚醛树脂/ N-Cyclohexylbenzothiazole-2-sulfenamide

**对生物的累积影响**

Avoid disposing in surroundings

**Biological build-up effect**

避免丢弃到环境中。

When disposed in a low concentration of reactive sludge, the degradation effect may

**其它/others**

not meet the prediction

当丢弃较低浓度的反应产物时，降解影响可能不能预测。

**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**

9

**RID 等级/ RID class**

9

**ADR/RID 包装组成/**

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**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**

**适当海运名称/**

(4-tert-butyl phenol formaldehyde resin)

**Proper Shipping Name**

(4-叔丁基酚醛树脂)

**海运/ Sea transport (IMDG-code/ IMO)**

**正确的技术名称**

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**IMDG 等级**

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**Correct technical name**

**IMDG Class**



UN 号码/ UN Number	----	包装组成	----
EMS 号/ EMS Number	----	Packaging group	----
空运/ Air transport (ICAO-TI/ IATA-DGR)			
ICAO-TI/IATA-DGR 等级	9	UN 号	3077
ICAO-TI/IATA-DGR Class		UN number	
包装组成	Environmentally hazardous substance, Solid		
Packing group	对环境有害的物质, 固体。		
正确的技术名称	(4-tert-butyl phenol formaldehyde resin)		
Correct technical name	(4-叔丁基酚醛树脂)		

## 15. 法规信息(REGULATORY INFORMATION)

化学品描述/ Chemical description	4-tert-butyl phenol formaldehyde resin 4-叔丁基酚醛树脂
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 toxic 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 对水生有机体有剧毒, 可能导致对水生环境的长期影响。
安全性短语/ S(afety) 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。
其他信息/ Other information	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

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



**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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