

**MATERIAL SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**Rubber NBR oil resistnat and conductive****HS Code: 40025910.00****1. 化学品及企业标示(CHEMICAL PRODUCT AND COMPANY IDENTIFICATION)**

产品标签名/ Product label name	NBR oil resistnat and conductive 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	橡胶/ Rubber

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

化学名/ Chemical name	丁腈橡胶/Acrylonitrile-butadiene rubber
CAS 编号/ CAS NO.	---
产品描述/ Chemical description	块状/ Block
TSCA NO.编码/ TSCA NO.	无/ none
EINECS 号码/ EINECS NO.	无/ none
其他信息/ Other information	(C <sub>4</sub> H <sub>6</sub> .C <sub>3</sub> H <sub>3</sub> N) <sub>x</sub>

**3. 危险性鉴定(HAZARDS IDENTIFICATION)**

在燃烧或热分解过程中可能会放出刺激性气体。和热的材料接触将会燃烧	Irritating gases may be given off during burning or thermal decomposition. Contact with hot material will cause thermal burns..
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**4. 急救措施(FIRST AID MEASURES)**

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。



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	Get medical attention. 寻求就医。
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>
保护设备/ Protective equipment	Wear full protective clothing. 需配戴全套防护服。
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)**

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 inhalation and skin or eye contact with processing fumes. 避免吸入和产生的气体渗透到眼睛和皮肤
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。
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	Block 块状	颜色/ Colour	Black 黑色
Hardness A° 硬度	70±2	Vulcanizing temperature (°C) 加硫温度	155
Tensile kgf/cm² 拉力强度	> 120	TS2 Sec 开始硫化时间	69"
Elongation % 延伸率	>450	TC90 Sec 硫化结束时间	121"
Tear kgf/cm² 抗撕裂	>40	Test block vulcanizing time 试片加硫时间	Sec 155-240
Abrasion ML 耐磨耗	DIN <150	Resistance Ω 电阻值	>10 <sup>4</sup>
SP. Gr g/m³ 比重	<1.20	Oil resistance value (isooctane) 耐油值	12%
PH 值/ pH value		分解系数/ Partition coefficient	

**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 extreme heat. 远离高温。
应避免的物质/ Materials to avoid	Strong oxidizing agents, vulcanization chemical 强氧化剂, 硫化剂。
腐烂分解毒害性产品/ Hazardous decomposition products	Thermal decomposition products: carbon monoxide (CO), nitrous gases (NOx), Acrylonitrile .1, 3- butadiene, other Undetermined compound. 热分解产品: 一氧化碳, 氮的氧化物, 丙希腈, 丁二烯和它的 不确定的化合物。

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

名称/ Name	丁腈橡胶/Acrylonitrile-butadiene rubber
毒理学资料 TOXICOLOGICAL INFORMATION	No information provided.



### 12. 生态学资料 (ECOLOGICAL INFORMATION)

名称/ Name 丁腈橡胶/ Acrylonitrile-butadiene rubber

生态学资料  
ECOLOGICAL INFORMATION No information provided.

### 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。  
Waste code number: Please refer to your specific industry in the European Waste Catalogue.  
其他信息/ Other information 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/	----	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/ (Acrylonitrile-butadiene rubber)

Proper Shipping Name 环境危害物质, 固体, n.o.s  
(丁腈橡胶)

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

正确的技术名称	----	IMDG 等级	----
Correct technical name		IMDG Class	
UN 号码/ UN Number	----	包装组成	----
		Packaging group	
EMS 号/ EMS Number	----		----

#### 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



<b>Packing group</b>	对环境有害的物质，固体。
<b>正确的技术名称</b>	Environmentally hazardous substance, solid, n.o.s. (Acrylonitrile-butadiene rubber)
<b>Correct technical name</b>	环境危害物质，固体，n.o.s (丁腈橡胶)

**15. 法规信息(REGULATORY INFORMATION)**

<b>化学品描述/ Chemical description</b>	Acrylonitrile-butadiene rubber 丁腈橡胶
<b>标签根据 EC 指标/ Labelling according to EC directives</b>	
<b>EC 号/ EC-number</b>	See section 2 查看第 2 部分
<b>分级标准/ Classification based on</b>	Annex-1 to directive 67/548/EEC 根据 67/548/EEC 指示 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
<b>危险性短语/ R(isk) phrase(s)</b>	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。
<b>安全性短语/ S(afety) phrase(s)</b>	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。
<b>其他信息/ Other information</b>	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。