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SAFETY DATA SHEET: According to EC-directive 2001/58/EC

Rubber Antioxidant 2246(BKF)

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	2,2'-Methylene bis (4-methyl-6-tert-butyl phenol) 2,2'-亚甲基双 (4-甲基-6-叔丁基苯酚) 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	橡胶防老剂/ Rubber Antioxidant

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

化学名/ Chemical name	2,2'-Methylene bis (4-methyl-6-tert-butyl phenol) 2,2'-亚甲基双 (4-甲基-6-叔丁基苯酚)
CAS 编号/ CAS NO.	119-47-1
产品描述/ Chemical description	白色颗粒/White granule
TSCA NO.编码/ TSCA NO.	无/none
EINECS 号码/ EINECS NO.	无/none
Other information	Formula: C ₂₃ H ₃₂ O ₂

3. 危险性概述(HAZARDS IDENTIFICATION)

Risk advice to man and the environment May cause long-term adverse effects in the aquatic environment.	对人和环境的风险建议 可能对水生环境造成长期不良影响。
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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。
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	If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person. 如果吞食了, 请立即叫医生。只有在医生指令下呕吐, 当一个人昏迷时不要放任何东西在口中。
医生建议/ Advice to physician	Treat symptomatically. Monitor respiratory system function

5. 消防措施(FIRE-FIGHTING MEASURES)

灭火媒介/ Extinguishing media	Waterspray, water mist, foam, dry chemical granule, CO ₂ 喷水, 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	Emits toxic fumes under fire conditions. 在火灾情况下释放的有毒烟气。
分解危险/燃烧产品/ Hazardous decomposition/ Combustion products	Carbon monoxide (CO), carbon dioxide (CO ₂), nitrous gases (NO _x). 一氧化碳, 二氧化碳, 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 watercourses. 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。
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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。

暴露限制/ Exposure limits

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 granule 白色颗粒	颜色/ Colour	White 白色
气味/ Odor	A bit hydroxybenzene odor 有点羟基苯的气味	沸点/ Boiling point	Not application 不能提供
熔点/ Melting point	120.0°C (Min.)	闪点/ Flash point	149 °C
易燃/Flammability	Not application 不能提供	爆炸极限/Explosion limits	Not application 不能提供
爆炸性/Explosive properties	Not application 不能提供	自燃温度/Autoignition temperature	Not application 不能提供
氧化性能/Oxidizing properties	Not application 不能提供	蒸汽压力 /Vapour pressure	Not application 不能提供
比重/Density	Not application 不能提供	体积密度/Bulk density	Not application 不能提供
在水中溶解/Solubility in water	无/none	在其他溶剂中的溶解度 /Solubility in other solvents	Ethanol,actone ,benzene ,oil 乙醇, 丙酮, 苯, 油
颗粒强度(N)/ Strength of grain(N)	0.6-2.5	分配系数/Partition coefficient	Not application 不能提供
正辛醇/水/n-octanol/water	Not application 不能提供	相对蒸汽密度/Relative vapour density	Not application 不能提供
纯度/Assay content % ≥	95		

10. 稳定性和反应性(STABILITY AND REACTIVITY)



腐烂分解毒害性产品/ Hazardous decomposition products No decomposition if stored and applied as directed.
如果按照指示存储和应用，则不会分解。

11. 毒理学资料(TOXICOLOGICAL INFORMATION)

名称/ Name 2,2'-methylene-bis(4-methyl-6-tert-butyl phenol)
2,2'-亚甲基 - 双(4-甲基-6-叔丁基苯酚)

敏感性毒害/ Acute toxicity

口头的/ Oral LD50 老鼠/Rats: >2,000mg/kg

皮肤的/ Dermal LD50 兔子/Rabbits: >2,000mg/kg

易愤怒/ Irritation

皮肤/ Skin 不敏感/Not sensitizing.

眼睛/ Eye 没有刺激性。/Not irritant.

12. 生态学资料(ECOLOGICAL INFORMATION)

名称/Name 2,2'-methylene-bis(4-methyl-6-tert-butyl phenol)
2,2'-亚甲基 - 双(4-甲基-6-叔丁基苯酚)

生态学/ Ecotoxicity

鱼/ fish Unspecified fish 96h,LC50 >100mg/l
Unspecified fish 24h,EC50 >100mg/l

降解生物/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)

Not classified as dangerous in the meaning of transport regulations.
根据运输法规的规定，未被列为危险品。

15. 法规信息(REGULATORY INFORMATION)

化学品描述/ Chemical description 2,2'-methylene-bis(4-methyl-6-tert-butyl phenol)
2,2'-亚甲基 - 双(4-甲基-6-叔丁基苯酚)



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)	R53:May cause long-term adverse effects in the aquatic environment. R53:可能对水生环境造成长期不良影响。
安全性短语/ S(afety) phrase(s)	S60: This material and its container must be disposed of as hazardous waste. S60: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

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。