

**SAFETY DATA SHEET:** According to EC-directive 2001/58/EC**Rubber antioxidant 1076****HS Code: 29189900.90****1. 化学品及企业标示 (CHEMICAL PRODUCT AND COMPANY IDENTIFICATION)**

产品标签名/ Product label name	β - (3, 5-二叔丁基-4-羟基苯基) 丙酸十八碳醇酯 octadecyl β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionate 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	β - (3, 5-二叔丁基-4-羟基苯基) 丙酸十八碳醇酯 octadecyl β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
CAS 编号/ CAS NO.	2082-79-3
产品描述/ Chemical description	白色粉末/ White powder
TSCA NO. 编码/ TSCA NO.	无/ none
EINECS 号码/ EINECS NO.	无/ none
其他信息/ Other information	Formula: C ₃₅ H ₆₂ O ₃

3. 危险性概述 (HAZARDS IDENTIFICATION)

对水生环境可能有长期毒害。	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. Do not use organic solvents. 立即移走所有被污染的衣物。用肥皂和清水冲洗。 不要用有机溶剂。
眼睛/ Eye	Rinse thoroughly with plenty of water for at least 15 minutes. 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至少 15 分钟。 确保洗除残渣。如果出现愤怒症状请就医。
摄取/ Ingestion	Immediately give plenty (> 500 ml) of water. In case of spontaneous vomiting be sure that vomitus can freely drain due of danger of suffocation .Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice. 立即用至少 500ML 的水冲洗。只有在确定呕吐安全时才呕吐，不要放任何东西在昏迷者口中。立即就医。
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, foam, dry chemical powder, CO ₂ 喷水, 泡沫, 干粉灭火器, CO ₂
不适用的灭火媒介 / Unsuitable extinguishing media	High volume waterjet. 水注(流) Contaminated water from fire hoses or sprinklers, etc. must be prevented from draining into watercourses, sewers, or the ground water.
特殊危险/ Special exposure hazards	消防产生的污染水必远离河道, 下水道或地下水。
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**

Handle and open container with care. Avoid dust formation and ignition sources. Ensure good local exhaust ventilation.

Do not eat, drink or smoke at the workplace.

操作集装箱时要小心。避免形成粉尘和火源。

保持空气流通良好。不要在工作时吃喝，抽烟。

Keep away from food and drink. Store in the original container securely closed.

储存要求/ Storage requirements

远离食物和水。储存于新的密封的容器中。

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: β - (3, 5-二叔丁基-4-羟基苯基) 丙酸十八碳醇酯
octadecyl β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

CIEL-TWA 10.0 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	White powder 白色粉末	颜色/ Colour	White 白色
气味/ Odor	No,sniffing,insipidity 无嗅, 无味	沸点/ Boiling point	not applicable 不能提供
熔点/ Melting point	$\geq 49^{\circ}\text{C}$	闪点/ Flash point	273 $^{\circ}\text{C}$
易燃性/ Flammability	not determined	爆炸极限/ Explosion limits	not determined
爆炸性/ Explosive properties	not determined	自燃温度/ Autoignition temperature	not determined
氧化性/ Oxidizing properties	not applicable 不适用	蒸汽压/ Vapour pressure	not determined
比重/ Density	---	体积密度/ Bulk density	not applicable 不能提供



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溶解性/ Solubility in water	None	在其它溶剂中的溶解性 Solubility in other solvents	Benzene,acetone, cyclohexane, 苯, 丙酮, 环己烷
PH 值/ pH value	5.73(1 % suspension in water 20 - 25°C)	分解系数/ Partition coefficient	>6(Log Pow 20 - 25°C)
n-octanol/water	not applicable 不能提供	相对蒸汽密度/ (air=1) Relative vapour density	not applicable 不能提供
纯度/Assay content % ≥	96		

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	Illumination, Static discharges. 光照, 静电。
应避免的物质/ Materials to avoid	Strong oxidants, Strong acids and strong bases 强氧化剂, 强酸, 强碱。
分解毒性产品/ 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	β - (3, 5-二叔丁基-4-羟基苯基) 丙酸十八碳醇酯 octadecyl β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
敏感性毒害/ Acute toxicity	
口头的/ Oral LD50	老鼠/ rat: >2000 mg/kg.
皮肤的/ Dermal LD50	not irritant
易愤怒/ Irritation	
皮肤/ Skin	Not irritating to skin. 对皮肤没有刺激。
眼睛/ Eye	Not irritating to eyes. 对眼睛没有刺激。

12. 生态学资料(ECOLOGICAL INFORMATION)

名称/ Name	β - (3, 5-二叔丁基-4-羟基苯基) 丙酸十八碳醇酯 octadecyl β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
生态学/ Ecotoxicity	
鱼/ fish	LC50 > 100 mg/l (96h)
水蚤/ daphnia	EC50 > 100 mg/l



藻类/ algae EC50 > 30 mg/l

Fate

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。
少量: 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/ ADR/RID packing group	III	危害鉴定号/ Hazard Identification No.	90
物质鉴定号/ Substance Identification No.	3077	UN 号/ UN number	3077

Environmentally hazardous substance, solid, n.o.s.

适当海运名称/ Proper Shipping Name (octadecyl β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)

环境危害物质, 固体, n.O.s

β - (3, 5-二叔丁基-4-羟基苯基) 丙酸十八碳醇酯

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	Environmentally hazardous substance, Solid
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	9	UN 号/ UN number	3077
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包装组成 Packing group	Environmentally hazardous substance, Solid 对环境有害的物质，固体。
正确的技术名称 Correct technical name	Environmentally hazardous substance, solid, n.o.s. (octadecyl β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) 环境危害物质，固体，n.O.s β - (3, 5-二叔丁基-4-羟基苯基) 丙酸十八碳醇酯

15. 法规信息(REGULATORY INFORMATION)

化学品描述/ Chemical description	β - (3, 5-二叔丁基-4-羟基苯基) 丙酸十八碳醇酯 octadecyl β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
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 53 may cause long-term adverse effects in the aquatic environment R 53 可能导致对水生环境的长期影响。
安全性短语/ S(afety) phrase(s)	S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets 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。
Wassergefährdungsklasse (WGK)	-----

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。