

MATERIAL SAFETY DATA SHEET

: According to EC-directive 2001/58/EC

Rubber Antioxidant BHT(264)

HS Code: 29071190.00

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product label name	2,6-di-tert-butyl-4-methyl phenol Qingdao YLSCH Industry&Trade Co.,Ltd
Supplier	Room 501,2-3 Unit. No.8,Zhengzhou Road, Qingdao,China. TEL: +86 18661665800
Emergency telephone	TEL: +86 18661665800
Intended use	Rubber Antioxidant

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	2,6-di-tert-butyl-4-methyl phenol
CAS NO.	128-37-0
Chemical description	White powder
TSCA NO.	none
EINECS NO.	none
Other information	C ₁₅ H ₂₄ O

3. HAZARDS IDENTIFICATION

Repeated contact may cause skin sensitization. Can cause eye irritation.Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Symptoms and effects	Repeated contact may cause skin sensitization.
First aid	
General	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	Move to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel Keep warm. Get immediate medical attention.
Skin	Remove all contaminated clothing immediately. Wash off with plenty of soap and water. Seek medical advice if irritation develops. Launder clothes before reuse.

Eye	Rinse thoroughly with plenty of water for at least 20 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops. If swallowed, call a physician or poison control center immediately.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting unless instructed by medical personnel. Get medical attention.
Advice to physician	No specific recommendations.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Dry chemical powder, CO ₂
Unsuitable extinguishing media	Waterjet.
Special exposure hazards	Emits toxic fumes under fire conditions.
Hazardous decomposition/ Combustion products	Carbon monoxide (CO).
Protective equipment	Wear self contained breathing apparatus.
Other information	Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see Section 8. Avoid dust generation.
Environmental precautions	Avoid discharge into the environment. Collect as much as possible in a clean container for
Methods for cleaning up	(preferable) reuse or disposal.

7. HANDLING AND STORAGE

Handling	This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data. It should always be handled in an efficient fume hood or equivalent system. The user should consider that the toxicological and physiological properties of many compounds are not yet well determined and that new hazardous products may arise from reactions between chemicals. Care should be taken to prevent any chemical from coming into contact with the skin or eyes and from contaminating personal clothing.
Hygiene Practices	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling dust.
Storage requirements	Store in a cool, dry, well ventilated area away from sources of heat and incompatible substances. Keep container tightly closed when not in use.

Engineering controls Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Exposure limits

Name: 2,6-di-tert-butyl-4-methyl phenol ACGIH-TWA 2.0 mg/m³

Personal protection

Respiratory Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand Wear suitable gloves.

Eye Wear safety goggles.

Skin and body Wear suitable protective clothing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appearance	White powder	Colour	White
Odour	----	Boiling point	257-265°C
Melting point ≥	67°C	Flash point	127°C
Flammability	Solid: substance: not (in)flammable.	Explosion limits	----
Explosive properties	Dust: dust-explosion hazard	Autoignition temperature	470°C
Oxidizing properties	not applicable	Ashes % max	0.10
Density	----	Loss on drying (%) ≤	----
Solubility in water	0.4mg/L 20° C (68° F)	Solubility in other solvents	Benzene, toluene, alcohol, ketone, carbon tetrachloride, ethylacetate and petrol
pH value	----	Steam pressure at 100°C	267Pa
Residues (150um)% Max	≤0.1	Heating Loss % Max	----
Viscosity	----	Assay content % ≥	96.0
Strength of grain (N)	----	Zinc content %	----

9. PHYSICAL AND CHEMICAL PROPERTIES

Stability	Stable under recommended storage and handling conditions (see section 7).
Conditions to avoid	High temperatures, flames and sparks.
Materials to avoid	Oxidizing agents, halogens, alkali metals.
Hazardous decomposition products	Thermal decomposition products: carbon monoxide (CO),

10. STABILITY AND REACTIVITY

Environmentally hazard us substance, solid, n.o.s.

Proper Shipping Name (2,6-di-tert-butyl-4-methyl phenol)

Sea transport (IMDG-code/ IMO)

11. TOXICOLOGICAL INFORMATION

Name	2,6-di-tert-butyl-4-methyl phenol
Acute toxicity	
Oral LG50	rat:890 mg/kg.
Dermal LD50	Oral - mouse LD50: 650 mg/kg
Irritation	
Skin	Slightly irritating to skin but not sufficient for classification.
Eye	Moderate irritation.

12. ECOLOGICAL INFORMATION

Name	2,6-di-tert-butyl-4-methyl phenol
Ecotoxicity	
Fish	
Daphnia	
Algae	
Degradation Biotic	Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Product	Avoid discharge into the environment Small quantities: According to local regulations. Large quantities: Consult YLSCH Chemical for special advice.
Contaminated packaging	According to local regulations. Waste code number: Please refer to your specific industry
Other information	in the European Waste Catalogue.

14. TRANSPORT INFORMATION

Land transport (ADR/ RID)

ADR class	9	RID class	9
ADR/RID packing group	III	Hazard Identification No.	90
Substance Identification No.	3077	UN number	3077

Correct technical name	----	IMDG Class	
UN Number	----	Packaging group	
EMS Number	----		
Air transport (ICAO-TI/ IATA-DGR)			
ICAO-TI/IATA-DGR Class	9	UN number	3077
Packing group	Environmentally hazardous substance, solid, n.o.s.		
Correct technical name	(2,6-di-tert-butyl-4-methyl phenol)		

15. REGULATORY INFORMATION

Chemical description	2,6-di-tert-butyl-4-methyl phenol
Labelling according to EC directives	
EC-number	See section 2
Classification based on	Annex-1 to directive 67/548/EEC
R(isk) phrase(s)	R22 Harmful if swallowed. R36/38 Irritating to eyes and skin.
S(afety) phrase(s)	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
Other information	To be displayed on the label: "EC label".
Wassergefährdungsklasse (WGK)	----

16. 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.