

**MATERIAL SAFETY DATA SHEET****Product Name:** Butaled hydroxytoluene**CAS No.:** 128-37-0**Version:** 0**1. Identification**

**Product Code** : 90352  
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**2. Hazards Identification****Hazard classification**

Acute aquatic toxicity : Category 1

Chronic aquatic toxicity : Category 1

**Label elements****Hazard symbol****Signal word** : Warning**Hazard statement** : Very toxic to aquatic life with long lasting effects.**Precautionary statement** : Avoid release to the environment.

Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in GHS classification** : None.**3. Composition/information on ingredients**

Ingredient	CAS No	Percent
Butylated hydroxytoluene	128-37-0	NLT – 99.0%

**4. First Aid Measures****Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

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<b>Inhalation</b>	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin contact</b>	:	Wash off with soap and plenty of water. Consult a physician.
<b>Eye contact</b>	:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Swallowed</b>	:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Most important symptoms and effects, both acute and delayed</b>	:	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
<b>Indication of any immediate medical attention and special treatment needed Treatment</b>	:	No data available

## 5. Fire fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use extinguishing media appropriate to Surrounding fire conditions.

**Special hazards arising from the substance or mixture** : Carbon oxides

**Advice for firefighters** : Wear self contained breathing apparatus for fire fighting if necessary

**Further information** : No data available

## 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

**Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up** : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections** : For disposal see section 13.

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- Precautions for safe handling** : Provide appropriate exhaust ventilation at places where dust is formed.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- Specific end use(s)** : No data available

**8. Exposure Controls Personal Protection****Control parameters****Components with workplace control parameters****Exposure controls**

- Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Personal protective equipment**
- Eye/face protection** : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin Protection Hand protection** : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- Body Protection** : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Respiratory protection** : Respiratory protection is not required.

**9. Physical and Chemical Properties**

- Appearance** : White crystalline powder
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : 69 - 73 °C
- Initial boiling point and boiling range** : 265 °C -
- Flash Point** : 127,0 °C
- Vapor pressure** : 0.01 hPa at 20,0 °C
- Vapor density** : No data available

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**Relative density** : 1.05 g/cm<sup>3</sup> at 20 °C  
**Solubility in water** : 0.0004 g/l at 20 °C - slightly soluble  
**Solubility (other)** : No data available  
**Formula** : C<sub>15</sub>H<sub>24</sub>O  
**Molecular Weight** : 220.35 g/mol

**10. Stability and Reactivity**

**Reactivity** : No data available  
**Chemical stability** : Stable under recommended storage conditions.  
**Possibility of hazardous reactions** : No data available  
**Conditions to avoid** : No data available  
**Incompatible materials** : Acid chlorides, Acid anhydrides, Oxidizing agents, Bases, Brass, Copper  
**Hazardous decomposition products** : No data available

**11. Toxicological Information****Information on toxicological effects**

**Acute toxicity** : **Acute toxicity**  
LD50 Oral - rat - male and female - > 6.000 mg/kg  
(OECD Test Guideline 401)  
LD50 Dermal - rat - male and female - > 2.000 mg/kg  
(OECD Test Guideline 402)

**Skin corrosion/irritation** : No data available  
**Serious eye damage/eye irritation** : No data available  
**Respiratory or skin sensitization** : No data available  
**Germ cell mutagenicity** : No data available  
**Carcinogenicity** : IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2,6-di-tert-Butyl-p-cresol)  
**Reproductive toxicity** : No data available  
**Specific target organ toxicity - single exposure** : No data available  
**Specific target organ toxicity - repeated exposure** : No data available  
**Aspiration hazard** : No data available  
**Signs and Symptoms of Exposure** : To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly

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investigated.

### 12. Ecological Information

<b>Toxicity</b>	: Toxicity to fish: LC50 - <i>Oryzias latipes</i> - 5,3 mg/l - 48 h  Toxicity to daphnia and other aquatic invertebrates: static test EC50 - <i>Daphnia magna</i> (Water flea) - 0,48 mg/l - 48 h (OECD Test Guideline 202)  Toxicity to bacteria: Growth inhibition EC50 - Protozoa - 1,7 mg/l - 24 h
<b>Persistence and degradability</b>	: No data available
<b>Bioaccumulative potential</b>	: No data available.
<b>Mobility in soil</b>	: No data available.
<b>Other adverse effects</b>	: No data available

### 13. Disposal consideration

<b>Disposal instructions</b>	: Discharge, treatment, or disposal may be subject to national, state, or local laws.
<b>Contaminated packaging</b>	: Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	3077	2,6-di-tert-Butyl-p-cresol	9	III	Yes
<b>IMDG</b>	3077	2,6-di-tert-Butyl-p-cresol	9	III	Yes
<b>IATA</b>	3077	2,6-di-tert-Butyl-p-cresol	9	III	Yes

### 15. Regulatory Information

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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date :01/08/2014****Version : 0**

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