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## 1 Identification of the substance/mixture and of the company/undertaking

- **Informations to product No. 5125**
- **Product name:**

### Butylhydroxytoluol Butylhydroxytoluenum

- **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH  
 Herderstr. 31  
 40721 Hilden  
 Tel.: 02103/4994-0  
 Fax: 02103/32360  
 e-mail: info@caelo.de

- **Emergency telephone:**

Giftinformationszentrum Mainz  
 Langenbeckstr. 1, 55131 Mainz  
 Tel.: 06131/19240

- **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

- **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

## 2 Hazards identification

- **GHS-Labeling Elements:**



- **Signal word:** Warning

- **H-Phrases:**

H410 Very toxic to aquatic life with long lasting effects

- **P-Phrases:**

P273 Avoid release to the environment

### Aquatic Chronic 1

## 3 Composition / information on ingredients


- **Chemical characterization:**

**CAS-No. Substance name:** 128-37-0 2,6-Di-tert-butyl-p-kresol

- **EINECS-No.:** 204-881-4

- **REACH Reg. No.:** 01-2119480433-40-0000

- **INCI-Name:** BHT

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#### 4 First aid measures

- **after inhalation:** Fresh air or oxygen, seek medical advice.
- **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap, if irritation continues seek medical advice immediately.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open, seek medical advice, even if no immediate symptoms are observed.
- **after swallowing:** Rinse mouth and drink water. Do not induce vomiting. Seek medical advice immediately.

#### 5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible but not flammable. In case of fire dangerous gases / vapours can be released: Smoke gases.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

#### 6 Accidental release measures

- **Personal protective measures:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

#### 7 Handling and storage

- **Handling:** Für gute Belüftung am Arbeitsplatz sorgen. Aerosolbildung vermeiden.
- **Informations to fire or explosion protection:** Good ventilation / exhaustion of working place. Keep away from ignition sources – Do not smoke.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ). Store at a good ventilated place.
- **Advices on common storage:** Not required.
- **Additional informations to storage conditions:** none

#### 8 Exposure controls / personal protective equipment

##### Components with limit values that require monitoring at the workplace:


128-37-0 2,6-Di-tert-butyl-p-kresol

MAK (DFG) 20 mg/m<sup>3</sup>

MAK (TRGS 900) 10 mg/m<sup>3</sup>

##### · **Personal protective equipment:**

- **General protective and hygiene measures:** The usual precaution measures during handling of

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chemicals are to observe.

- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of rubber or latex or PVZ, for full contact 15 minutes maximum: Neoprene. Suitable gloves for enduring contact, Material: Nitrile rubber/Nitrile latex Penetration time > 480 min., Thickness: 0,35 mm.
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** colourless - white
- **Odour:** odourless
- **Melting point / melting range:** 69,9 °C
- **Boiling point / boiling range:** 265 °C
- **Flash point:** 127 °C
- **Ignition temperature:** 345 °C
- **Explosion limits:**
- **lower:** 0,6 Vol %
- **upper:** 4,5 Vol %
- **Vapour pressure:** (20 °C) ca. 0,02 hPa; (100 °C) 2,4 hPa
- **Density:** (20 °C) 1,05 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** < 0,01 g/l

## 10 Stability and reactivity


- **Thermal decomposition / conditions to avoid:**  
No decomposition during appropriate use.
- **Materials to avoid:** Strong oxidizers, strong acids and bases, Peroxides.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

## 11 Toxicological information

- **Acute toxicity:**  
**LD/LD50-data relevant for hazard classification:**  
Oral LD50 > 6000 mg/kg (rat) (OECD 401)  
Dermal LD50 > 2000 mg/kg (rat) (OECD 402)
- **Primary irritating effect:**
- **on skin:** Not irritant
- **on eyes:** Not irritant
- **Sensitization:** no sensitizing effect known.

## 12 Ecological information

- **Information about elimination (persistence and degradability):**  
Biodegradation: <10 % /20 d (OECD 301 D). Not easily biodegradable
- **Behaviour in environmental systems:**

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· **Mobility and bioaccumulation potential:**

Bioaccumulation is possible due to the distribution coefficient n-Octanol/Water.

· **Log p<sub>OW</sub>:** 5,1

· **Aquatic toxicity:**

Fish LC<sub>0</sub> Danio rerio > 0,57 mg/l/96 h

Daphnia EC<sub>50</sub> Daphnia magna 0,48 mg/l/48 h (OECD 202)

Algae EC<sub>50</sub> Desmodesmus subspicatus > 0,4 mg/l/72 h

Bacteria EC<sub>0</sub> Pseudomonas putida: 500 mg/l/30 min (IUCLID)

EC<sub>50</sub> Sludge: > 10.000 mg/l/3 h (OECD 209)

· **General advices:** Prevent from leaking into ground water, environment waters or drainage.

· **Water hazard class:** 2 (self classification): hazardous for water.

### 13 Disposal considerations

· **Product:**

· **Recommendation:** Disposal according to local regulations as pharmaceutical waste.

· **Empty contaminated packaging:**

· **Recommendation:** Disposal according to the local regulations.

### 14 Transport informations

· **Land transport according to ADR:** Not classified as dangerous in the meaning of transport regulations.

### 15 Regulatory information

· **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product is classified and labelled according to GHS-regulations.

· **Hazard symbols:** GHS09

· **Signal word:** Warning

· **H-Phrases:**

H410 Very toxic to aquatic life with long lasting effects

· **P-Phrases:**

P273 Avoid release to the environment

· **National regulations (Germany):**

· **Water hazard class:** see chapter 12

· **Storage class TRGS 510:** 11

### 16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.