

Trade name: Butylhydroxytoluenum

Substance number: 062000

Version: 4 / CH

Date revised: 28.06.2021

Replaces Version: 3 / CH

Print date: 28.06.21

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Butylhydroxytoluenum

Item No. 06200000

**Registration no.**

Registration no. 01-2119565113-46-0000

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/preparation**

Antioxidant, industry, Manufacture of pharmaceutical products

**1.3. Details of the supplier of the safety data sheet****Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible  
for this SDS**1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

**SECTION 2: Hazards identification \*\*\*****2.1. Classification of the substance or mixture****Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

**2.2. Label elements****Labelling according to regulation (EC) No 1272/2008****Hazard pictograms****Signal word**

Warning

**Hazard statements \*\*\***

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements \*\*\***

P273 Avoid release to the environment.

P391 Collect spillage.

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P501.3

Disposal in compliance with local and national regulations.

**SECTION 3: Composition/information on ingredients \*\*\*****Hazardous ingredients \*\*\*****2,6-Di-tert-butyl-p-cresol**

CAS No. 128-37-0

EINECS no. 204-881-4

Concentration &gt;= 50 %

Classification (Regulation (EC) No. 1272/2008)

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acute 1 M = 1

Aquatic Chronic M = 1

1

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible).

**After inhalation**

Remove the casualty into fresh air and keep him calm. Irregular breathing/no breathing: artificial respiration. Seek medical advice immediately.

**After skin contact**

Wash off immediately with soap and water and rinse well. Seek medical advice immediately.

**After eye contact**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical advice immediately.

**After ingestion**

Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical advice immediately.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water mist, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

**5.2. Special hazards arising from the substance or mixture**

Carbon monoxide (CO); Carbon dioxide (CO2)

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Avoid dust formation. Do not inhale vapours. Ensure adequate ventilation. Do not inhale dust.

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**6.2. Environmental precautions**

Do not empty into drains.

**6.3. Methods and material for containment and cleaning up**

Take up mechanically and collect in suitable container for disposal.

**6.4. Reference to other sections**

Information regarding waste disposal, see Section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes. Avoid formation of aerosols. Avoid dust formation. Provide suitable exhaust ventilation at processing machines.

**7.2. Conditions for safe storage, including any incompatibilities****Storage classes**

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

**Further information on storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**SECTION 8: Exposure controls/personal protection \*\*\*****8.1. Control parameters****Exposure limit values \*\*\*****2,6-Di-tert-butyl-p-cresol**

List	SUVA	
Type	MAK	
Value	10	mg/m <sup>3</sup>
Short term exposure limit	40	mg/m <sup>3</sup>
Pregnancy group: S; Remarks: SSc; KG, Leber		

**8.2. Exposure controls****General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Wash hands and face before breaks and after work.

**Respiratory protection**

Dust mask; Particle filter P2

**Hand protection**

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Use	Permanent hand contact	
Appropriate Material	nitrile rubber - NBR	
Material thickness	0.11	mm
Breakthrough time	480	min
Hand protection must comply with EN 374.		
Use	Short-term hand contact	
Appropriate Material	nitrile rubber - NBR	
Material thickness	0.11	mm

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Breakthrough time 480 min

**Eye protection**

Safety glasses with side protection shield; Eye protection must comply with EN 166.

**Body protection**

Clothing as usual in the chemical industry.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Form** crystals**Colour** white**Odour** odourless**Melting point**

Value 69.8 °C

**Initial boiling point and boiling range**

Value 265 °C

Pressure 1013 hPa

**Flash point**

Value 127.0 °C

**Vapour pressure**

Value 0 hPa

Temperature 25 °C

Method OECD 104

**Density**Value 1.03 g/cm<sup>3</sup>

Temperature 20 °C

Remarks Relative Density according specification

**Solubility in water**

Value 0.76 g/l

Temperature 20 °C

Method OECD 105

Remarks slightly soluble

**Partition coefficient: n-octanol/water**

log Pow 5.1

Temperature 20 °C

Remarks Due to the distribution coefficient n-octanol/water, accumulation in organisms is possible.

**Ignition temperature**

Value &lt;= 160 °C

**Viscosity**Value 3.47 mm<sup>2</sup>/s

Temperature 80 °C

**9.2. Other information****Bulk density**Value 450 kg/m<sup>3</sup>**SECTION 10: Stability and reactivity****10.1. Reactivity**

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Accumulation of fine dust may entail the risk of a dust explosion in the presence of air. heat

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

Possible incompatibility with materials listed under section 10.5.

**10.4. Conditions to avoid**

Heat

**10.5. Incompatible materials**

Incompatible with acid chlorides and acid anhydrides. Oxidising agents, Bases, Corrodes copper and brass. Acids, Reaction with Sulfuric acid.

**10.6. Hazardous decomposition products**

In the event of fire the following can be released: Carbon monoxide and carbon dioxide

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity (Components)****2,6-Di-tert-butyl-p-cresol**

Species	Rats (male/female)	
LD50	> 6000	mg/kg
Method	OECD 401	

**Acute dermal toxicity (Components)****2,6-Di-tert-butyl-p-cresol**

Species	Rats (male/female)	
LD50	> 2000	mg/kg
Method	OECD 402	

**Acute inhalative toxicity (Components)****2,6-Di-tert-butyl-p-cresol**

Remarks	No data available.
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**Skin corrosion/irritation (Components)****2,6-Di-tert-butyl-p-cresol**

Species	rabbit	
Duration of exposure	4	h
evaluation	non-irritant	
Method	OECD 404	

**Serious eye damage/irritation (Components)****2,6-Di-tert-butyl-p-cresol**

Species	rabbit
evaluation	non-irritant
Method	OECD 405

**Sensitization (Components)****2,6-Di-tert-butyl-p-cresol**

evaluation	non-sensitizing
Method	in vitro
Source	ECHA

**Subacute, subchronic, chronic toxicity (Components)****2,6-Di-tert-butyl-p-cresol**

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Remarks No data available

**Mutagenicity (Components)****2,6-Di-tert-butyl-p-cresol**

evaluation No mutagenicity according to various in vitro tests.

**2,6-Di-tert-butyl-p-cresol**Species Salmonella typhimurium  
evaluation No mutagenicity in the Ames-test.  
Remarks negative**2,6-Di-tert-butyl-p-cresol**Route of exposure oral  
Species rat (male)  
Remarks negative**2,6-Di-tert-butyl-p-cresol**Route of exposure intraperitoneal  
Species mouse  
evaluation No mutagenicity in the micronucleus test.**Reproduction toxicity (Components)****2,6-Di-tert-butyl-p-cresol**

Remarks No data available.

**Carcinogenicity (Components)****2,6-Di-tert-butyl-p-cresol**

Remarks No evidence available on carcinogenicity.

**Specific Target Organ Toxicity (STOT) (Components)****2,6-Di-tert-butyl-p-cresol**Species rat  
NOAEL 25 mg/kg  
Duration of exposure 1 d  
Method Value taken from the literature**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity**Species Oryzias latipes  
LC50 5.3 mg/l  
Duration of exposure 48 h**Fish toxicity (Components)****2,6-Di-tert-butyl-p-cresol**Species Oryzias latipes  
LC50 5.3 mg/l**2,6-Di-tert-butyl-p-cresol**Species zebra fish (Brachydanio rerio)  
LC50 >= 0.57 mg/l  
Duration of exposure 96 h**Daphnia toxicity (Components)****2,6-Di-tert-butyl-p-cresol**EC50 0.48 mg/l  
Duration of exposure 48 h  
Method OECD 202

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**2,6-Di-tert-butyl-p-cresol**

NOEC 0.15 mg/l

Duration of exposure 48 h

**Algae toxicity (Components)****2,6-Di-tert-butyl-p-cresol**

Species Desmodesmus subspicatus

ErC50 &gt; 0.4 mg/l

Duration of exposure 72 h

**2,6-Di-tert-butyl-p-cresol**

Species Desmodesmus subspicatus

EC10 0.4 mg/l

Duration of exposure 72 h

**Bacteria toxicity (Components)****2,6-Di-tert-butyl-p-cresol**

EC50 1.7 mg/l

**2,6-Di-tert-butyl-p-cresol**

EC0 500 mg/l

Duration of exposure 30 min

**2,6-Di-tert-butyl-p-cresol**

Species activated sludge

EC50 &gt; 10000 mg/l

Duration of exposure 3 h

Method OECD 209

**12.2. Persistence and degradability****Physico-chemical eliminability (Components)****2,6-Di-tert-butyl-p-cresol**

Remarks No data available.

**Biodegradability (Components)****2,6-Di-tert-butyl-p-cresol**

Value &lt; 10 %

Duration of test 20 d

evaluation not readily degradable

Method OECD 301D

**Ready degradability (Components)****2,6-Di-tert-butyl-p-cresol**

Remarks Not readily biodegradable.

**12.3. Bioaccumulative potential****Partition coefficient: n-octanol/water**

log Pow 5.1

Temperature 20 °C

Remarks Due to the distribution coefficient n-octanol/water, accumulation in organisms is possible.

**12.4. Mobility in soil****Mobility in soil (Components)****2,6-Di-tert-butyl-p-cresol**

The product is insoluble and sinks in water.

**2,6-Di-tert-butyl-p-cresol**

Adsorbs on soil.

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**2,6-Di-tert-butyl-p-cresol**

Immobile

**12.5. Results of PBT and vPvB assessment**

**Evaluation of persistence and bioaccumulation potential (Components)**

**2,6-Di-tert-butyl-p-cresol**

Due to the distribution coefficient n-octanol/water, accumulation in organisms is possible.

**12.6. Other adverse effects**

**General information / ecology**

Toxic for aquatic organisms.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

Dispose of as unused product.

**SECTION 14: Transport information \*\*\***



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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	-		
14.1. UN number	3077	3077	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2,6-Di-tert-butyl- p-cresol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2,6-Di-tert-butyl- p-cresol)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2,6-Di-tert-butyl- p-cresol)
14.3. Transport hazard class(es)	9	9	9
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	3		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 ENVIRONMENTALLY HAZARDOUS

## SECTION 15: Regulatory information \*\*\*

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Water Hazard Class (Germany) \*\*\*

Water Hazard Class (Germany) WGK 2

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

## SECTION 16: Other information

### Hazard statements listed in Chapter 3

H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

### CLP categories listed in Chapter 3

Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1  
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic, Category 1

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### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.