



# Material Safety Data Sheet

## butylated hydroxytoluene

Version: 2.0 EN

Revision Date: 2025-03

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### SECTION 1: IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

#### 1.1 Product identifiers

Product Name butylated hydroxytoluene  
CAS No 128-37-0  
Synonyms BHT

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals, Manufacture of substances

#### 1.3 Details of the supplier of the safety data sheet

Company China lithium Products technology Company Limited  
9 HG ,No.99 LuJiang Road ,Xiamen city ,China  
Telephone +86 592 2687860  
Email info@lithium-chemical.com

#### 1.4 Emergency telephone number

Emergency phone # +86 592 2687860

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Short-term (acute) aquatic hazard (Category 1), H400  
Long-term (chronic) aquatic hazard (Category 1), H410  
For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word Warning

#### Hazard statement(s)

H410 Very toxic to aquatic life with long lasting effects.

#### Precautionary statement(s)

##### Prevention

P273 Avoid release to the environment  
P391 Collect spillage.  
P501 Dispose of contents/ container to an approved waste disposal plant



Supplemental Hazard  
Statements none

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Substance name	Butylated hydroxytoluene
Formula	C <sub>15</sub> H <sub>24</sub> O
CAS No	128-37-0
EC No	204-881-4

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### If inhaled

Fresh air.

#### In case of skin contact

Take off immediately all contaminated clothing. Rinse skin with water/ shower

#### In case of eye contact

Rinse out with plenty of water. Remove contact lenses.

#### If swallowed

Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder

#### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides

Combustible

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.



Development of hazardous combustion gases or vapours possible in the event of fire

**5.3 Advice for firefighters [www.lithium-chemical.com](http://www.lithium-chemical.com)**

In the event of fire, wear self-contained breathing apparatus

**5.4 Further information**

Prevent fire extinguishing water from contaminating surface water or the ground water system

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains

**6.3 Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

**6.4 Reference to other sections**

For disposal see section 13

## **SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

**Suitable extinguishing media**

For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions**

Tightly closed. Dry

**Storage class**

Storage class (TRGS 510): 11: Combustible Solids

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

128-37-0, Butylated Hydroxytoluene, ACGIH TLV: 2 mg/m<sup>3</sup> TWA, NIOSH: 10 mg/m<sup>3</sup> TWA

**8.2 Exposure controls**

**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). Safety glasses

**Skin protection**



Long sleeved clothing should be worn. Impervious gloves should be worn.

**Respiratory protection**

Recommended Filter type: Filter A-(P2) The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Control of environmental exposure**

Do not let product enter drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	Form: crystalline powder Colour: colorless
Odour	Odorless
Melting point/freezing point	Melting point/range: 69 - 73 °C - lit.
Initial boiling point and boiling range	265 °C - lit.
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	127 °C - open cup
Autoignition temperature	> 400 °C - Regulation (EC) No. 440/2008, Annex, A.16
Decomposition temperature	No data available
PH	No data available
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Water solubility	0.76 g/l at 20 °C - OECD Test Guideline 105- slightly soluble
Partition coefficient: n-octanol/water	log Pow: 5.1 - - Potential bioaccumulation
Vapor pressure	0.00 hPa at 25 °C - OECD Test Guideline 104
Density	1.03 g/cm <sup>3</sup> at 20 °C
Relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	none

**9.2 Other safety information**

No data available

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.



#### **10.2 Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature)

#### **10.3 Possibility of hazardous reactions**

Violent reactions possible with: Peroxides, bases, sulfuric acid, Strong acids, Acid chlorides, Acid anhydrides, Oxidizing agents, Bases

#### **10.4 Conditions to avoid**

Strong heating.

#### **10.5 Incompatible materials**

Copper, copper compounds, brass, Mild steel

#### **10.6 Hazardous decomposition products**

In the event of fire: see section 5

### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **11.1 Information on toxicological effects**

##### **Acute toxicity**

Shall not be classified as acutely toxic

##### **Skin corrosion/irritation**

Shall not be classified as corrosive /irritant to skin

##### **Serious eye damage/eye irritation**

Shall not be classified as seriously damaging to the eye or eye irritant

##### **Respiratory or skin sensitization**

Shall not be classified as a respiratory or skin sensitiser

##### **Germ cell mutagenicity**

No data available

##### **Carcinogenicity**

No data available

##### **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

##### **Additional Information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. Handle in accordance with good industrial hygiene and safety practice.

### **SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Very toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

Discharge into the environment must be avoided.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods****Product**

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

**SECTION 14: TRANSPORT INFORMATION****DOT (US)**

	UN proper shipping name: ENVIRONMENTALLY	
ADR/RID: 3077	HAZARDOUS SUBSTANCE, SOLID, N.O.S. (butyl hydroxytoluene (BHT))	Passenger Aircraft: No
Packaging group:III	Transport hazard class(es): 9	Environmental hazards: yes

**IMDG**

	UN proper shipping name:ENVIRONMENTALLY	
IMDG: 3077	HAZARDOUS SUBSTANCE, SOLID, N.O.S. (butyl hydroxytoluene (BHT))	Passenger Aircraft: No
Packaging group:III	Transport hazard class(es):9	Environmental hazards: yes

**IATA**

	UN proper shipping name: Environmentally	
IATA: 3077	hazardous substance, solid, n.o.s. (butyl hydroxytoluene (BHT))	Passenger Aircraft: No
Packaging group:III	Transport hazard class(es):9	Environmental hazards: yes

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This product is listed as hazardous by communication Standard, 29 CFR 1910.1200



## **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

## **SECTION 16: OTHER INFORMATION**

### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. China Lithium Product Technology Co., Ltd.( CLPC) and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.lithium-chemical.com](http://www.lithium-chemical.com) for additional terms and conditions of sale.