



# Safety Data Sheet (BHT)

DATE PREPARED: 2/27/2013  
REVISION NUMBER: 2/27/2013

## Section 1 – Company Information

**Parchem - fine & specialty chemicals**  
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EMERGENCY RESPONSE NUMBER:  
CHEMTEL - Parchem CCN# M1S0007152  
Toll Free US & Canada: (800)255-3924  
All other Origins: (813) 248-0585  
Collect Calls Accepted

## Section 2 – Product Identification/ Information on Ingredients

PRODUCT NAME Butylated Hydroxytoluene  
CAS NUMBER 128-37-0  
SYNONYM 2,6-Di-tert-butyl-p-cresol, BHT, Butylhydroxytoluene, DBPC  
FORMULA  $C_{15}H_{24}O$

PRODUCT	CAS NUMBER	% BY WEIGHT
BHT	128-37-0	100%

## Section 3 – Hazards Identification

### Emergency Overview

**OSHA Hazards:** Harmful by ingestion. Irritant.

### HMIS Classification

**Health Hazard:** 2

**Flammability:** 0

**Physical hazards:** 0

**NFPA Rating**

**Health Hazard:** 2

**Fire:** 0

**Reactivity Hazard:** 0

### Potential Health Effects

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** Harmful if swallowed.

## Section 4 – First Aid Measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled:** If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.



**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.  
**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### Section 5 – Fire Fighting Measures

**Flammable properties**

**Flash point:** 127.0 °C (260.6 °F) - closed cup

**Ignition temperature:** 470 °C (878 °F)

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters:** Wear self contained breathing apparatus for fire fighting if necessary.

#### Section 6 – Accidental Release Measures

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

**Environmental precautions:** Do not let product enter drains.

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

#### Section 7 – Handling & Storage

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage:** Keep container tightly closed in a dry and well-ventilated place.

#### Section 8 – Exposure Controls & Personal Protection

**Components with workplace control parameters**

**Components & CAS-No.:** 2,6-di-tert-Butyl-p-cresol 128-37-0

US. American Conference of Governmental and Industrial Hygienists

Threshold Limit Values for Chemical Substances in the Work Environment; Annual Reports for the

Year 2004: Committees on Threshold Limit Values (TLVs ) and Biological Exposure Indices (BEIs)

Remarks Refers to Appendix A - Carcinogens. 1996 Adoption Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPMTLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.

Vapor and aerosol TWA 10 mg/m<sup>3</sup> 1989-03-01

US. Department of Labor - Occupational Safety and Health Administration (OSHA) 29 CFR



1910.1000 Z-1-A

**Personal protective equipment**

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** Handle with gloves.

**Eye protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 – Physical & Chemical Properties

**Appearance**

**Form:** solid

**Safety data**

**pH:** no data available

**Melting point:** 69.0 - 70.0 °C (156.2 - 158.0 °F)

**Boiling point:** 265.0 °C (509.0 °F)

**Flash point:** 127.0 °C (260.6 °F) - closed cup

**Ignition temperature:** 470 °C (878 °F)

**Lower explosion limit:** no data available

**Upper explosion limit:** no data available

**Vapor pressure:** 0.01 hPa (0.01 mmHg) at 20.0 °C (68.0 °F)

**Water solubility:** no data available

Section 10 – Stability & Reactivity Data

**Storage stability:** Stable under recommended storage conditions.

**Materials to avoid:** Acid chlorides, Acid anhydrides, Oxidizing agents, Bases, Brass, Copper

**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11 – Toxicological Information

**Acute toxicity:** LD50 Oral - rat - 890.0 mg/kg

**Irritation and corrosion:**

Skin - rabbit - Skin irritation - 48 h

Eyes - rabbit - Eye irritation - 24 h

**Sensitisation:** no data available

**Chronic exposure:** This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.



**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** Harmful if swallowed.

Section 12 – Ecological Information

**Elimination information (persistence and degradability):**

no data available

**Ecotoxicity effects:**

Toxicity to fish LC50 - *Oryzias latipes* - 5.3 mg/l - 48 h

Toxicity to daphnia and other aquatic invertebrates.

EC50 - *Daphnia pulex* (Water flea) - 1.44 mg/l - 48 h

**Further information on ecology:** no data available

Section 13 – Disposal Consideration

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging:** Dispose of as unused product.

Section 14 – Transportation Data

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods



Section 15 – Regulatory Information

**OSHA Hazards:** Harmful by ingestion, Irritant

**TSCA Status:** On TSCA Inventory

**DSL Status:** All components of this product are on the Canadian DSL list.

**SARA 302 Components:** SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute Health Hazard

**Massachusetts Right To Know Components:**

2,6-di-tert-Butyl-p-cresol

CAS-No. 128-37-0

**Pennsylvania Right To Know Components:**

2,6-di-tert-Butyl-p-cresol

CAS-No. 128-37-0

**New Jersey Right To Know Components:**

2,6-di-tert-Butyl-p-cresol

CAS-No. 128-37-0

**California Prop. 65 Components:**

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Section 16 – Other Information

Disclaimer

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.