



**SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER: WESTCO BHT TECHNICAL GRADE**

**Other means of identification**

**Chemical Name:** Butylated hydroxytoluene

**Synonyms:** 2,6-Di-tert-butyl-p-cresol, Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-

**Recommended Use:** Antioxidant

**Recommended Restrictions:** None known.

**Supplier information:**

**Supplier:** Western Reserve Chemicals

**Supplier Address:** 60 S. Seiberling Street  
Akron, OH 44305

**Telephone:** 330-650-2244

**Website:** [www.wrchem.com](http://www.wrchem.com)

**Emergency phone number:** Chemtrec: 1-800-424-9300 US

**SECTION 2 – HAZARD(S) IDENTIFICATION**

**Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS):**

Chronic aquatic hazard, Category 1

**GHS Label Elements:**



**Hazard symbol:**

**Signal word:**

Warning

**Hazard Statements:**

Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

Avoid release to the environment

Collect spillage



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

**Hazard(s) not otherwise classified (HNOC):** None known.

**Supplemental information:** None

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**Substance:**

<u>Components</u>	<u>Chemical Identity</u>	<u>CAS Number</u>	<u>Concentration</u>
	Butylated hydroxytoluene	128-37-0	<=100%

### SECTION 4 – FIRST AID MEASURES

**Eye contact:** Flush eyes with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

**Inhalation:** Remove person to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact:** Remove contaminated clothing. Wash skin with plenty of soap and water. If irritation persists, consult a physician.

**Ingestion:** If swallowed, rinse mouth out with water. Seek medical advice if you feel unwell.

**Most important symptoms/effects, acute and delayed:**

The most important known symptoms and effects are described in the labeling (see Section 2) and/or Section 11.

**Indication of immediate medical attention and special treatment needed:**

No data available

### SECTION 5 – FIRE FIGHTING MEASURES

**Suitable extinguishing method:** Water spray or fog, dry powder, carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing method:** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from chemical:**



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 vapors possible in the event of fire.

**Combustion Products:** Oxides of carbon, toxic fumes.

**Special firefighting equipment and precautions for firefighters:** Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

**Firefighting equipment/instructions:** Use water spray or fog for cooling exposed containers. Prevent water from entering the environment.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures:**

Wear appropriate personal protective equipment recommended in Section 8 of the SDS. Keep unnecessary people away, isolate hazard area and deny entry. Avoid inhalation of dusts.

### **Methods and materials for containment and cleaning up:**

Avoid generating dust. Prevent further leakage or spillage if safe to do so. Sweep up spilled material in appropriate container for proper disposal. Do not allow to enter into ground-water, surface water or drains.

**Environmental precautions:** Avoid release to the environment. Do not let product enter drains.

## SECTION 7 - HANDLING AND STORAGE

### **Precautions for safe handling:**

Good hygienic practices should be observed. Ensure good ventilation at the workplace. Wear suitable protective equipment. Avoid generating dust. Avoid contact with eyes and skin. Wash hand and face thoroughly after handling.

### **Conditions for safe storage, including any incompatibilities:**

Store closed containers in a cool, dry, well-ventilated area away from incompatible materials.

**Incompatibles:** Oxidizing materials.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure Limits:**



Component	CAS-No.	Value	Control parameters	Basis
butyl hydroxytoluene (BHT)	128-37-0	TWA	2 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)

**Appropriate engineering controls:** Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Ensure good ventilation at the work station.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Safety glasses when eye contact is possible.

**Skin protection:**

**Hand protection:** Wear appropriate chemical resistant protective gloves.

**Other protection:** Wear appropriate skin covering clothing. Protective boots, if situation requires.

**Respiratory protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

<b>Physical State:</b>	Solid
<b>Form:</b>	White Crystal/Powder
<b>Odor:</b>	Not available
<b>Odor threshold:</b>	Not available
<b>Melting Point/freezing point:</b>	69-70°C (156-158°F)
<b>pH:</b>	Not available
<b>Initial Boiling Point/Range:</b>	265°C (509°F)
<b>Flash Point:</b>	109°C (°228F)
<b>Evaporation Rate:</b>	Not available
<b>Explosion Limits (LEL/UEL):</b>	Not available
<b>Vapor Pressure:</b>	0.00624mmHg at 25°C
<b>Vapor Density:</b>	7.6
<b>Relative Density:</b>	1.048
<b>Solubility (water):</b>	Insoluble
<b>Partition Coefficient:</b>	Not available



(n-octanol/water)

**Auto-ignition Temperature:** >400°C  
**Decomposition Temperature:** Not available  
**Viscosity:** Not available  
**Minimum Explosive Concentration:** Not available  
**KSt-value (bar x m/s):** Not available

## SECTION 10 - STABILITY & REACTIVITY

**Reactivity:** Forms explosive mixtures with air on intense heating.

**Chemical stability:** Stable under standard use and storage conditions.

**Possibility of hazardous reactions:** Violent reactions possible with: Peroxides, Bases, Sulfuric acid, Strong acids, Acid chlorides, Acid anhydrides, Oxidizing agents.

**Conditions to avoid:** High temperatures. Strong heating. Avoid contact with incompatible materials.

**Incompatible materials:** Oxidizing agents. Strong bases. Copper. Brass. Mild steel.

**Hazardous decomposition products:** In the event of fire: Carbon dioxide. Carbon monoxide.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Oral LD50 (Rat): 890 mg/kg  
Dermal LD50 (Rabbit): Not available  
Inhalation LC50 (Rat): Not available

**Skin Corrosion/Irritation:** No data available

**Serious Eye Damage/Irritation:** No data available

**Respiratory or Skin Sensitization:** No data available

**Germ cell Mutagenicity:** No data available

**Carcinogenicity:** No data are available in humans.  
Limited evidence of carcinogenicity in animals.  
OVERALL EVALUATION: IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

**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:** Not applicable

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods:** Dispose of in compliance with federal, state and local regulations.

**Disposal of Contaminated Packaging:** Empty containers or liners may retain product residue. Dispose of contents and container in accordance with federal, state and local regulations.

## SECTION 14 - TRANSPORTATION INFORMATION

**Hazard Class:** 9: Miscellaneous dangerous goods.

**UN No.:** 3077

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s. (butyl hydroxytoluene (BHT))

**Packing group:** III

**Marine pollutant:** Yes

## SECTION 15 - REGULATORY INFORMATION

**U.S. Federal:**

**EPA TSCA Status:**

Substance is listed as Active on the TSCA Inventory.

**SARA Section 311/312 Hazard Classes:**

No SARA Hazards.



**SARA Section 313:**

This material does not contain any chemical components that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US California Prop 65:** Substance is not listed.

**SECTION 16 - OTHER INFORMATION**

**Issue date:** 3-21-2023

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