

1. PRODUCT NAME: BUTYLATED HYDROXYTOLUENE

2. CHEMICAL NAME: 2,6-Di-tertiary-Butyl-p-Cresol

3. SYNONYMS: Antioxidant BHT

4. CAS NUMBER: 128-37-0

5. PROPERTIES: Boiling Point: 265 c (509 F) @ 750 mmHg
Vapor Pressure: $\sim 7.5 \times 10^{-3}$ mmHg @ 20 c (68 F)
VAPOR DENSITY (AIR=1): Not applicable
Flash Point: 127 c (260 F)
MELTING POINT/FREEZE POINT: 68.89 C (156 F)
PHYSICAL STATE: CRYSTALS
ODOR: ODORLESS
COLOR: COLORLESS
ODOR THRESHOLD (PPM): Not applicable
% VOLATILE BY VOLUME: Negligible
EVAPORATION RATE: Not applicable
SPECIFIC GRAVITY (WATER=1): 1.03
ACID/ALKALINITY (MEQ/G): Not applicable
PH: Not applicable
SOLUBILITY IN WATER (20 c): INSOLUBLE
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):
GASOLINE, DICHLOROMETHANE, ACETONE, ETHYL ACETATE, ETHANOL
STABILITY:
Stable.
HAZARDOUS POLYMERIZATION:
Will not occur.
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:
CO CO₂ Toxic gasses and aerosols.
INCOMPATIBILITY (MATERIALS TO AVOID)
None known.
CONDITIONS TO AVOID:
Avoid ignition source where dust is produced.

IN CASE OF
TRANSPORT EMERGENCY
CONTACT CHEMTREC
USA: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887

6. HAZARDS: EMERGENCY OVERVIEW: May cause irritation on the respiratory tract. May form an explosive dust-air mixture.
INGESTION: Based on animal toxicity testing, this product is expected to be essentially non-toxic by ingestion. No adverse effects expected.
SKIN CONTACT: May cause slight irritation. Symptoms include reddening and itching.
INHALATION: If dusting should occur, inhalation can cause irritation of the respiratory tract (ie. mucous membranes of the nose and the throat) resulting in runny nose, dry throat, sneezing, coughing, and chest discomfort. May cause mechanical irritation to the respiratory tract.
EYE CONTACT: May cause slight irritation. Causes redness and tearing.
MEDICAL CONDITIONS AGGRAVATED: Preexisting respiratory disorders.
CHRONIC EFFECTS/CARCINOGENICITY: This product is not considered a carcinogen by IARC, NTP, or OSHA.
PRODUCTS/INGREDIENTS: None known.
PRINCIPLE ROUTES OF EXPOSURE: Eyes. Skin. Inhalation. Ingestion.
OTHER: No information at this time.

7. FIRE FIGHTING FLAMMABLE LIMITS IN AIR (%): Not Established.
MEASURES: SENSITIVITY TO MECHANICAL IMPACT (Y/N) : NO
SENSITIVITY TO STATIC DISCHARGE : Sensitivity to static discharge is not expected.
EXTINGUISHING MEDIA : Water Foam. Dry chemical.
SPECIAL FIREFIGHTING PROCEDURES : Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Dust may explosive mixtures with air. Irritating and toxic gases or fumes may be released during fire.
8. PERSONAL ENGINEERING CONTROLS:
PROTECTION Showers. Eyewash stations.
MEASURES: RESPIRATORY PROTECTION EQUIPMENT:
A NIOSH/MSHA approved dust mask should be worn, if airborne concentration exceed the exposure limits.
PROTECTIVE GLOVES:
Recommended.
EYE AND FACE PRITECTION:
Chemical safety glasses with side shields or chemical safety goggles.
OTHER PROTECTIVE EQUIPMENT:
Wear protective clothing to minimize skin contact.
VENTILATION:
Local exhaust is desirable.
9. FIRST AID INGESTION:Do not induce vomiting unless directed to by authorized medical personnel. Contact a physician if a large quantity is ingested.
PROCEDURES: SKIN:Wash affected areas with soap an water. Remove contaminated clothing and launder before reuse. Contact a physician if irritation occurs.
INHALATION:If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
EYES:Flush eyes thoroughly for 15 minutes with water. Call a physician, if irritation persists.
NOTE TO PHYSICAIN:Treatment based on sound judgment of physician and individual reactions of patient.
10. EXPOSURE ACGIH LIMITS: 2mg/m³ TWA (vapor)
LIMITS: OSHA LIMITS: 10mg/m³ TWA
11. TOXICOLOGICAL Toxicological Information: ACUTE ORAL LD50 (MG/KG): >2,000 (RAT)
INFORMATION: ACUTE DERMAL LD50 (MG/KG): NOT DETERMINDED
ACUTE INHALATION LC50 (MG/L): NOT DETERMINDED
OTHER: Slight irritation to rabbit skin,
Slight irritation to rabbit eyes,
No skin sensitization, guinea pig.
AMES TEST: NEGATIVE
12. ECOLOGICAL NE
INFORMATION:
13. DISPOSAL As local regulations may vary; all waste must be disposed/recycled/reclaimed in accordance with federal,
CONSIDERAIONS: state, and local environmental control regulations.



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

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14. **CARCINOGENIC PROPERTIES & NOTIFICATIONS:** Recognized as a carcinogen by the State of New Jersey, and the State of Pennsylvania.
15. **TRANSPORT INFORMATION:** Transportation Information: DOT Shipping Name: NOT REGULATED
DOT HAZARD CLASS: N/A
DOT LABEL (S): NONE
UN/NA NUMBER: N/A
IATA: N/A IMO IMDG-CODE: N/A
16. **HANDLING & STORAGE:** Handling:
Avoid generating or breathing dust. Avoid contact with eyes, skin and clothing. Avoid heat, sparks, and open flame. Bond and ground containers when transferring material. Use non-sparking tools. Use only with adequate ventilation. Wash thoroughly after handling or at the end of the shift. Keep container tightly closed when not in use.
Storage:
Store in a dry place from excessive heat. Store below 50 c (122 F)
17. **ACCIDENTAL RELEASE MEASURES:** ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Cleanup personnel must use appropriate personal protective equipment. Remove sources of ignition. Use non-sparking tools. Remove spilled product by method which minimizes generation of airborne dust. Collect material and in a suitable container for reuse or disposal.