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BHT (Butylated Hydroxy Toluene)

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

Product Name: BHT, butylated hydroxytoluene
INCI Name: BHT
Chemical Name: 2,6-di-tert-butyl-4-methylphenol
CAS Number: 128-37-0
EINECS Number: 204-881-4
Origin: synthetic

2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point:	70°C (158°F)
Boiling Point:	265°C (509°F)
Density:	1.03-1.05 g/cm^3
Vapor Pressure:	1.3 Pa (at 20°C)
Molecular Weight:	380.2g/mol
Solubility in water:	insoluble (0.00006g/100ml)
Flash Point:	127°C (261°F)
Appearance & Odor:	white crystalline powder

3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions
Incompatibility: strong oxidizing agents and strong bases
Hazardous Decomposition: no information found
Hazardous Polymerisation: will not occur

4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment.
Protective Clothing: Gloves recommended to prevent prolonged skin contact. Safety glasses, goggles, or face shield recommended for eye protection.
Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

7. HAZARDS IDENTIFICATION

General: May cause irritation to skin, eyes and respiratory system.
Inhalation: Inhalation of dust may be irritating to the respiratory system causing cough and sore throat.
Eye Contact: can cause eye irritation as redness and pain.
Skin Contact: can cause skin irritation. Repeated or prolonged exposure to skin may cause dermatitis.
Ingestion: Do not ingest; may cause gastrointestinal irritation as abdominal pain, liver failure, confusion and dizziness.

8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 20 minutes. Seek medical attention if symptoms persist.
Skin: Wash exposed areas of the body with plenty of water & soap.
Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention.

9. FIRE FIGHTING MEASURES

Flammability: may be combustible at high temperatures
Extinguishing Media: water spray, foam, carbon dioxide for large fires; dry powder for small fires
Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

10. TOXICOLOGICAL INFORMATION

Acute LD50: no information found
Dermal and Eye Irritation: irriatant
Carcinogenicity: no information found
Mutagenicity, Teratogenicity: no information found

11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

12. TRANSPORT INFORMATION

DOT Shipping Name: Refer to corresponding hazard class
ADR/RIC Code: Refer to corresponding hazard class
Sea Transport IMDG Code: Refer to corresponding hazard class
Air Transport IATA: Refer to corresponding hazard class

13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.

ALL DATA HEREIN ARE ALL AS PER OUR SUPPLIER.

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