

SAFETY DATA SHEET

Xtendra® Butylated Hydroxytoluene (BHT)

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Solid
Product Name: BHT
Synonyms: 2,6-Di-tert-butyl-p-cresol, DBPC

1.2. Intended Use of the Product

Use of the Substance/ Mixture: End Product
 Additive for industrial use, antioxidant for Food Industry, antioxidant FCC grade

1.3. Name, Address and Telephone of the Responsible party

CAMLIN FINE SCIENCES LIMITED
 Floor 2 to 5 in GS Point Building, CST Road, Kalina, Santacruz (East)
 Mumbai 400 098 INDIA
 +91-22-6700 1000

1.4. Emergency Telephone Number

Emergency Number Globally: Camlin Fine Sciences Ltd. +91-22-6700 1000
 North America: Chemtrec 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Serious eye damage/eye irritation, Category 2B
 Specific target organ systemic toxicity (single exposure), Category 3
 Acute aquatic hazard, Category 1
 Chronic aquatic hazard, Category 1

2.2. Label Elements (GHS-US Labeling)

Hazard Pictograms (GHS-US)



Signal Word (GHS-US) Warning

Hazard Statements (GHS-US)

H319: Causes serious eye irritation
 H335: May cause respiratory irritation
 H410: Very toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US)

P261 Avoid breathing dust/vapors.
 P264 Wash hands thoroughly after handling
 P270 Do not eat, drink or smoke while using this product
 P272 Contaminated work clothing should not be allowed out of the workplace
 P273 Avoid release to the environment

P280 Wear protective gloves, protective clothing, face protection and eye protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell
P330 Rinse mouth
P333 + P313 IF skin irritation or rash occurs: get medical advice/attention
P337 + P313 IF eye irritation persists: get medical advice/attention
P363 Wash contaminated clothing before re-use
P391 Collect spillage. Hazardous to the environment
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance
No other hazards

2.3. Other Hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Identification of the substance

Trade name

Butylated Hydroxytoluene

CAS number

128-37-0

Weight (%)

100

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General:

Provide general supportive measures.

First-aid Measures After Inhalation:

Remove from exposure to fresh air immediately. Allow victim to rest in a well-ventilated area.

First-aid Measures After Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Wash contaminated clothing before reusing.

First-aid Measures After Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical attention if eye irritation develops or persists.

First-aid Measures After Ingestion:

Rinse mouth with water and drink plenty of water afterwards.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

None

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Suitable extinguishing media:

Water spray, carbon dioxide or Dry chemical fire extinguisher

5.2. Special Hazards Arising from the Substance or Mixture

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges. See Section 9 for more information.

5.3. Advice for Firefighters

Avoid inhaling the fumes.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

Wear helmet with visor, antfire paint jacket and trousers. Use self-containing breathing apparatus to protect the respiratory system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Evacuate personnel to safe areas. Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Non-sparking tools should be used.

6.2. Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Keep out of waterways. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and Materials for Containment and Cleaning UP

Wash with plenty of water. Use personal protective equipment and take precautionary measures against static discharges. Avoid dust formations. Clean contaminated surface thoroughly.

6.4. Reference to Other Sections

See also section 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Avoid contact with skin and eyes, inhalation of vapors and mists.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

7.3. Specific End Use (s)

Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment. Adequately ventilated premises and complete of eyewash fountain and emergency shower. Dispose on suitable floors and provided of spillage basins. Keep containers tightly closed.

Storage Conditions: Store in cool dark place away from moisture, oxidizing agents and alkaline atmosphere.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

8.2. Exposure Controls

No occupational exposure limit available.

Eye protection: Eye glasses with side protection.

Protection for skin: Disposable suit.

Protection for hands: Protective gloves made of nitrile or butyl rubber or PVC. Average protection. Typical breakthrough times > 60 '. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Observe data on water resistance and penetration of the supplier. Consider also the risk of cuts, abrasion, and the contact time. Thickness recommended guideline for uses 0.39 mm Medium duty.

Respiratory protection: Filtering Half-face mask (DIN EN 149) for dusts (P3). // Filtering half masks (EN 405) for vapors / dusts (FFA2P3). (UNI EN 405)).

Thermal Hazards: None

Environmental exposure controls: Adopt dust extraction from the working environment.

Appropriate engineering controls: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance and Color	White
Odor	Faint characteristic odor
Odor Threshold	Not available
pH	Not available
Melting point/Freezing point	69 - 73°C
Initial boiling point and boiling range	265°C
Flash point	127°C/260.6°F
Evaporation rate	Not available
Solid/gas flammability	Not available
Upper/Lower flammability of explosive limits	Not available
Vapor Pressure	0.01 mm Hg at 20.0°C

Vapor Density	Not available
Relative Density	Not available
Solubility in water	Not available
Solubility in oil	Not available
Partition coefficient (noctanol/water)	Not available
Auto-ignition temperature	470.0°C
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

9.2 Other information

Molecular Formula	C ₁₅ H ₂₄ O
Molecular Weight	220.35

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:	Stable under normal conditions.
10.2. Chemical Stability:	Stable under normal conditions.
10.3. Possibility of Hazardous Reactions:	It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides and powerful reducing agents. It may catch fire on contact with oxidizing mineral acids.
10.4. Conditions to avoid	Stable under normal conditions.
10.5. Incompatible Materials:	Oxidizing products and concentrated alkalis.
10.6. Hazardous Decomposition Products:	None.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects	Toxicological information of the substance: RTECS #: CAS # 128-37-0 : LD50/LC50: 128-37-0 : Oral, mouse : LD50 = 650 mg/kg; Oral Oral rat : LD50 = 890mg/kg.
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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity	Adopt good working practices, so that the product is not released into the environment. Very toxic to aquatic life with long lasting effects. EC50 72 h: = 6 mg/L (Pseudokirchneriella subcapitata) EC50 72 h: > 0.42 mg/L (Desmodesmus subspicatus) LC50 48 h: = 5 mg/L (Oryzias latipes) EC50 48 h: = 0.48 mg/L (Daphnia magna) (immobilization)
12.2. Persistence and Degradability	None
12.3. Bioaccumulative Potential	Not available
12.4. Mobility in Soil	Not available
12.5. Other Adverse Effects	None

Results of PBT and vPvB assessment vPvB Substances: None - PBT Substances: None

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

DOT 3077
IATA 3077
IMDG 3077

14.2. UN Proper Shipping Name

DOT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Butylated Hydroxytoluene)
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Butylated Hydroxytoluene)
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Butylated Hydroxytoluene)

14.3. Transport Hazard Class(es)

DOT 9
IATA 9
IMDG 9

14.4. Packing Group

DOT III
IATA III
IMDG III

14.5. Environmental Hazards

DOT Environmental Pollutant
IMDG Marine Pollutant

14.6. Special Precautions for user

Not available

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations OSHA

This product is known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 8(b) Inventory	Listed
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed
SARA 304 Emergency Release Notification	Not listed
SARA 302 Extremely Hazardous Substance	Not listed
SARA 311/312 Hazardous Chemicals	BHT (CAS 128-37-0) Fire, Acute
SARA 313 (TRI reporting)	Not listed
Superfund Amendments and Reauthorization Act of 1986 (SARA)	Not listed

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68-130)	Not listed
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not listed
Safe Drinking Water Act (SDWA)	Not listed
15.2. US State Regulations	
Massachusetts Right to Know Hazardous Substance List	Not listed
New Jersey Right to Know Hazardous Substance List	Listed
Pennsylvania Right to Know Hazardous Substance List	Listed
Rhode Island Right to Know Hazardous Substance List	Listed
15.3. International Inventories	
Canada:	Domestic Substances List (DSL): Listed
Canada:	Non-Domestic Substances List (NDSL): Not listed
US and Puerto Rico:	Toxic Substances Control Act (TSCA) Inventory: Listed
15.4 Other Information	This product is permitted under existing FDA regulations for use as a direct (or an indirect) food additive. Applicable FDA regulations: Butylated Hydroxy Toluene 21 CFR 172.115

SECTION 16: OTHER INFORMATION

Date of Revision 12/04/2024

Date of Issue: 01/20/2016

The information contained herein is based on our state of knowledge at the above specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.