



SAFETY DATA SHEET

BUTYLATED HYDROXYTOLUENE MULTI COMPENDIAL (BHT)

1. PRODUCT IDENTIFICATION

24 Hr Emergency Telephone Number:

CANUTEC: 1-888-226-8832 within US and Canada
For Outside US and Canada: (1-613)-996-6666

CHEMTREC: 1-800-424-9300 within US
*Please refer to Sec.16 for Authorized Distributors

Product Code: B4692
CAS number: 128-37-0
Molecular Weight : 220.36
Formula: $C_{15}H_{24}O$
Synonyms: 2,6-Di-tert-butyl-4-methylphenol; BHT; DBPC; 2,6-Di-tert-butyl-p-cresol; Butylhydroxytoluene; Butylated hydroxytoluene

2. HAZARD(S) IDENTIFICATION

Emergency Overview

HMIS Classification

Health hazard: 2
Flammability: 1
Physical hazards: 0

Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
Skin Harmful if absorbed through skin. Causes skin irritation.
Eyes Causes eye irritation.
Ingestion Harmful if swallowed.

GHS Classification

Acute Toxicity, Oral (Category 4)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 1)

Pictogram



Signal Word: Warning

Hazard Statement(s)

H302 Harmful if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P301 + P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
P330 Rinse mouth.

P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.	EC No.	Index No.	Concentration
Butylated Hydroxytoluene (128-37-0)	204-881-4	---	>99%

4. FIRST-AID MEASURES

General Advice:

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

Inhalation:

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

Skin Contact:

Immediately flush skin with plenty of water and soap while removing contaminated clothing and shoes. Consult a physician.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Consult a physician.

Ingestion:

If ingested, give plenty of water to drink and rinse mouth with. Never give anything by mouth to an unconscious person. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flash point: 117.8°C (244.0°F) - closed cup.

Autoignition Temperature: No data available.

Conditions of Flammability:

Not flammable or combustible.

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous Combustion Products:

Hazardous decomposition products formed under fire conditions; carbon oxides.

Special Protective Equipment for Fire-Fighters:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Explosion data - sensitivity to mechanical impact:

No data available

Explosion data - sensitivity to static discharge:

No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Avoid breathing dust.

Conditions for safe storage:

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

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

Airborne Exposure Limits:

Canada - NIOSH Threshold limit values: 10 mg/m³ (TWA_{EV})

ACGIH Threshold limit values: 2 mg/m³ (TWA)

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

White powder or crystalline.

pH:

No data available.

Melting Point:

69 - 73°C (156 - 163°F)

Boiling Point:

265°C (509°F).

Ignition Temperature:

470°C (878°F).

Vapor Pressure:

0.01 hPa (0.01 mmHg) at 20.0 °C (68.0 °F).

Lower Explosion Limit:

No data available.

Upper Explosion Limit:

No data available.

Water Solubility:

Insoluble in water; Freely soluble in alcohol and ether.

Density:

No data available.

Relative Vapor Density:

No data available.

Odor:

Characteristic.

Odour Threshold:

No data available.

Evaporation Rate:

No data available.

Partition Coefficient(n-octanol/water):

No data available

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under recommended storage conditions.

Possibility of Hazardous Reactions:

No data available.

Conditions to Avoid:

No data available.

Materials to Avoid:

Acid chlorides, Acid anhydrides, Oxidizing agents, Bases, Brass, Copper, Mild steel, copper compounds.

Hazardous Decomposition Products:

Hazardous decomposition products formed under fire conditions; carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity;

Oral LD50: LD50 Oral - Rat - 890 mg/kg

LD50 Oral - Mouse - 1040 mg/kg

LD50 Oral - Guinea pig - 10700 mg/kg

Inhalation LC50: No data available

Dermal LD50: LD50 Dermal - Rat - >2,000 mg/kg

Other information on acute toxicity:

No data available

Skin corrosion/irritation:

No data available

Serious eye damage/eye irritation:

No data available

Respiratory or skin sensitisation:

No data available

Germ cell mutagenicity:

No data available

Carcinogenicity:

IARC: Group 3 - Not classifiable as to carcinogenic to humans.

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.

Reproductive toxicity:

No data available

Teratogenicity:

No data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

No data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

No data available

Aspiration hazard:

No data available

Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects:

No data available

12. ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish

LC50 - *Oryzias latipes* - 5.3 mg/l - 48 h.

Toxicity to daphnia and other aquatic invertebrates

Static test EC50 - *Daphnia magna* (Water flea) - 0.48 mg/l - 48 h
(OECD Test Guideline 202)

Toxicity to bacteria

Growth inhibition EC50 - Protozoa - 1.7 mg/l - 24 h

Persistence and degradability:

No data available

Bioaccumulative potential:

No data available

Mobility in soil:

No data available

PBT and vPvB assessment:

No data available

Other adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. Provincial and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, provincial and local requirements.

14. TRANSPORT INFORMATION

The following information has been verified for: D.O.T., I.M.D.G.(US), I.M.O.(Can), I.A.T.A.(US) & I.C.A.O.(Can);



UN Number: UN3077

Packing Group: III

Limited Quantity: 5 kg

Hazard Class: 9

UN Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S. (Butylated hydroxytoluene)

15. REGULATORY INFORMATION

This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

16. OTHER INFORMATION

Authorized Distributors:

Company Name: A&C American Chemicals Inc.
Address: 1053 E. Whitaker Mill Rd. #115, Raleigh, NC 27604
Telephone: 919 390-2425 ext. 1002

Company Name: A&C Chemicals Europe Ltd.
Address: Questum, Ballingarrane, Cahir Road, Clonmel, Co. Tipperary, Ireland
Telephone: +353 87 2500956

Last Revision 3/4/2020

Disclaimer:

We provide the information contained herein in good faith but make no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

WE MAKE NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, WE WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.