



Dulcette Technologies LLC

## **MATERIAL SAFETY DATA SHEET**

### 01. **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:**

- Product Name : "BHA" FCC Grade
- Manufacturer/Supplier : CAMLIN FINE CHEMICALS LIMITED  
Plot No. F/ 11 & F/12, WICEL,  
MIDC, Marol, Central Road,  
Opp. SEEPZ Main Gate,  
Andheri (East), Mumbai – 400 093,  
INDIA
  
- MSDS prepared by : Camlin Fine Chemicals Limited
- Chemical Name : Butylated hydroxyanisole
- Synonym(s) : Butylated hydroxyanisole
- Molecular Formula : C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>
- Molecular Weight : 180.1108

### 02. **COMPOSITION, INFORMATION ON INGREDIENTS:**

- CAS No. : 25013-16-5
- Chemical Name : Butylated hydroxyanisole
- Percentage : 98.5%
- Hazard Symbols : XN
- Risk Phrases : 22 40

### 03. **HAZARDS IDENTIFICATION:**

Appearance: white to yellow white.

Caution! Light sensitive. May be harmful if swallowed. May cause fetal effects based upon animal studies. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. May cause cancer based on animal studies. Potential cancer hazard.

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Target Organs: None.

Potential Health Effects

- Eye : May cause eye irritation
- Skin : May cause eye irritation
- Ingestion : May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful, if swallowed.
- Inhalation : May cause respiratory tract irritation
- Chronic : May cause fetal effects. May cause cancer according to animal studies

04. **FIRST-AID MEASURES:**

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

05. **FIRE FIGHTING MEASURES:**

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.



Extinguishing Media: Use agent most appropriate to extinguish fire.

Auto ignition Temperature: Not applicable.

Flash Point: Not applicable

(Estimated) Health: ; Flammability: ; Reactivity:  
Explosion Limits, Lower: Not available  
Upper: Not available

06. **ACCIDENT RELEASE MEASURES:**

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Reduce airborne dust and prevent scattering by moistening with water. Clean up spills immediately, observing precautions in the Protective Equipment Section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions.

07. **HANDLING AND STORAGE:**

Handling: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before re-use. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.

Storage: Store in a cool place in the original container and protect from sunlight. Keep the container closed when not in use. Store in a tightly closed container.



08. **EXPOSURE CONTROLS, PERSONAL PROTECTION:**

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Chemical Name	ACGIH	NIOSH	OSHA-Final PELs
Butylated hydroxyanisole	None listed	None listed	None listed

OSHA Vacated PELs:

Butylated Hydroxyanisole: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.



09. **PHYSICAL AND CHEMICAL PROPERTIES:**

- Physical State	:	Solid
- Appearance	:	white to yellow white
- Odor	:	Faint Characteristic odor
- pH	:	Not available
- Vapor Pressure	:	Not available
- Vapor Density	:	Not available
- Evaporation Rate	:	Not available
- Viscosity	:	Not available
- Boiling Point	:	270°C
- Freezing/Melting Point	:	48 – 63°C
- Decomposition Temperature:	:	Not available
- Solubility	:	Insoluble in water
- Specific Gravity/Density	:	Not available
- Molecular Formula	:	C <sub>11</sub> H <sub>16</sub> O <sub>2</sub>
- Molecular Weight	:	180.1108

10. **STABILITY AND REACTIVITY:**

Chemical Stability: Stable under normal temperatures and pressures.  
Conditions to avoid: Incompatible materials, light, strong oxidants.  
Incompatibilities with other materials: Strong oxidizing agents.  
Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.  
Hazardous Polymerisation: Has not been reported.

11. **TOXICOLOGICAL INFORMATION:**

RTECS #: CAS # 25013-16-5 : SL1945000  
LD50/LC50: 25013-16-5: Oral, mouse : LD50 = 1100 mg/kg; Oral, rabbit: LD50 = 2100 mg/kg; Oral rat : LD50 = 2 gm/kg.  
Carcinogenicity: Butylated hydroxyanisole –  
California: carcinogen – initial date 1/1/90  
NTP : Suspect Carcinogen  
OSHA : Possible Select carcinogen  
IARC : Group 2B carcinogen



12. **ECOLOGICAL INFORMATION:**

Ecotoxicity: Not available.

13. **DISPOSAL CONSIDERATIONS:**

Dispose off in a manner consistent with federal, state and local regulations.  
RCRA D-Series Maximum Concentration of Contaminants: None listed.  
RCRA D-Series Chronic Toxicity Reference Levels: None listed.  
RCRA F-Series : None listed  
RCRA P-Series : None listed  
RCRA U-Series : None listed  
Not listed as a material banned from land disposal according to RCRA.

14. **TRANSPORT INFORMATION:**

US DOT – No information available.  
IMO – Not regulated as a hazardous material  
IATA – Not regulated as a hazardous material  
RID/ADR – Not regulated as a hazardous material  
Canadian TDG – No information available.

15. **REGULATORY INFORMATION:**

US FEDERAL  
TSCA

CAS# 25013-16-5 is listed on the TSCA inventory.

Health and Safety Reporting List: None of the chemicals are on the Health and Safety Reporting List

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.



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SARA:

Section 302 (RQ): None of the chemicals in this material have an RQ.  
Section 302 (TPQ): None of the chemicals in this product have a TPQ.  
Section 313: No chemicals are reportable under section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.  
This material does not contain any Class 1 Ozone depleters.  
This material does not contain any Class 2 Ozone depleters

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.  
None of the chemicals in this product are listed as Priority under the CWA.  
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are listed as highly hazardous by OSHA.

STATE:

Butylated hydroxyanisole can be found on the following state right to know lists:  
California, Minnesota, Massachusetts.

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Butylated hydroxyanisole, a chemical known to the state of California to cause cancer.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R41 Risk of serious damage to eyes

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Safety Phrases :

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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WGK (Water Danger/Protection)

CAS# 25013-16-5 is listed on Canada's DSL/NDSL List.

WHIMS: Not available.

CAS# 25013-16-5 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

16. **ADDITIONAL INFORMATION:**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Camlin be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Camlin has been advised of the possibility of such damages.

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