

Product Name	Butylated Hydroxyanisole
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## **Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

### **1.1. Product identification:**

**Product Description:** Butylated hydroxyanisole

**Synonyms:** 2(3)-tert-Butyl-4-methoxyphenol; 3(2)-tert-Butyl-4-hydroxyanisole; BHA

**CAS-No:** 25013-16-5

**EC-No.:** 246-563-8

**Molecular Formula:** C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>

**REACH Registration No:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

### **1.2. Relevant identified uses of the substance or mixture and uses advised against:**

**Recommended Use:** Used as a Pharmaceutical Excipient

### **1.3. Details of the supplier of the safety data sheet:**

- **Company** **Finar Limited**  
184-186/P, Chacharwadi Vasna,  
Sarkhej-Bavla Highway,  
Ta.: Sanand, Dist.: Ahmedabad-382110, Gujarat, India.  
Web: [www.finarchemicals.com](http://www.finarchemicals.com)
- **E-Mail Address** [safety.finar@actylis.com](mailto:safety.finar@actylis.com); [info.finar@actylis.com](mailto:info.finar@actylis.com)

### **1.4. Emergency Telephone Number:**

- For Emergency contact on: +91 - 2717 - 616 717

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## **SECTION 2: HAZARDS IDENTIFICATION**

### **2.1. Classification of the substance or mixture:**

#### **Classification according to Regulation (EC) No 1272/2008**

Acute toxicity, oral (Category 4), H302

Long-term (chronic) aquatic hazard (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

### **2.2. Label Elements:**

#### **Labeling according Regulation (EC) No 1272/2008**

##### **Pictogram**



**Signal word**

**Warning**

##### **Hazard statement(s)**

H302 Harmful if swallowed

H411 Toxic to aquatic life with long lasting effects

##### **Precautionary statement(s)**

P264 Wash skin 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 centre/ Doctor if you feel unwell

P391 Collect Spillage

P501 Dispose of contents/Container to an approved waste disposal plant

Supplemental Hazard Statements

**None**

### **2.3. Other Hazards:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances:** Butylated hydroxyanisole

**3.2. Mixtures:**

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<b>Component</b>	<b>CAS-No</b>	<b>EC-No.</b>	<b>Weight %</b>
Butylated hydroxyanisole	25013-16-5	246-563-8	<= 100 %

#### **SECTION 4: FIRST AID MEASURES**

##### **4.1. Description of first aid measures:**

- **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

- **If inhaled**

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

- **If Contact with skin**

Wash off with soap and plenty of water. Consult a physician.

- **In case of eye contact**

Flush eyes with water as a precaution.

- **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

##### **4.2. Most important symptoms and effects, both acute and delayed:**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

##### **4.3. Indication of any immediate medical attention and special treatment needed**

No data available

#### **SECTION 5: FIREFIGHTING MEASURES**

##### **5.1. Extinguishing media:**

**Suitable Extinguishing Media-** Water, Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder

##### **5.2. Special hazards arising from the substance or mixture:**

Combustible.

Carbon dioxide

##### **5.3. Advice for firefighters:**

Wear self-contained breathing apparatus for firefighting if necessary.

##### **5.4. Further Information:**

No data available

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**6.1. Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.  
Ensure adequate ventilation. Avoid breathing dust.

For personal protection see section 8.

**6.2. 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.

**6.3. Methods and material for containment and cleaning up:**

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

**6.4. Reference to other sections:**

For disposal see Sections 13.

## **SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe 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.

For precautions see section 2.2.

**7.2. Conditions for safe storage, including any incompatibilities:**

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

**7.3. Specific end use(s):**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters:**

**Components with workplace control parameters:**

**8.2. Exposure Controls:**

- Appropriate Engineering Controls:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal Protective Equipment:**

**Eye & Face Protection-**

Use equipment for eye protection tested and approved under appropriate government standards such

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as

NIOSH (US) or EN 166(EU).

- **Hand / Skin Protection -**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

- **Body Protection-**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

- **Respiratory Protection-**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

- **Environmental Exposure Controls-**

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

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on basic physical and chemical properties:**

- **Appearance:** Light Yellow
- **Physical State:** Solid
- **Odor:** Faint characteristic odor
- **pH:** ca.4.8 at 10 g/l at 25 °C
- **Melting Point:** 48 °C - 63 °C
- **Auto-Ignition Temperature:** No data available
- **Vapor Pressure:** No data available
- **Relative Density:** ca.0.69 g/cm<sup>3</sup> at ca.28 °C

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- **Density:** 1.12 g/cm<sup>3</sup> at 20 °C
- **Volatility:** No data available
- **Bulk Density:** No data available
- **Odor Threshold:** No data available
- **Viscosity, dynamic:** No data available
- **Water/Oil Dist. Co eff.:** No data available
- **Partition coefficient: n-octanol/water:** log Pow: 2,8 at 27 °C - Bioaccumulation is not expected., (ECHA)
- **Ionicity (in Water):** No data available
- **Boiling Point/Range:** 270°C
- **Flash Point:** No data available
- **Specific Gravity / Density:** No data available
- **Water Solubility:** slightly soluble

**9.2. Other information:**

**Molecular Formula:** C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>

**Molecular Weight:** 180.24 g/mol

## **SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity:**

No data available

**10.2. Chemical stability:**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions:**

No data available

**10.4. Conditions to avoid:**

No data available

**10.5. Incompatible materials:**

No data available

**10.6. Hazardous decomposition products:**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects:****Acute toxicity**

LD50 Oral - Rat - 2.200 - 5.000 mg/kg

Remarks: (Lit.)

**Skin corrosion/irritation**

Skin- Rabbit

Result: No skin irritation (OECD test guideline 404)

**Serious eye damage/eye irritation**

No data available

**Sensitization**

Patch test: Human

Result – Negative

**Germ cell mutagenicity**

In vitro mammalian cell gene mutation test

Chinese hamster ovary cells

Result: negative

Ames test

Salmonella typhimurium

Result: negative

(ECHA)

Rat - male

Result: negative

(National Toxicology Program)

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**11.2 Further Information:**

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RTECS: SL1945000

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

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. Handle in accordance with good industrial hygiene and safety practice.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1. Toxicity:**

Toxicity to fish: LC50 - Fish – 1.56 mg/l - 96 h

(OECD Test Guideline 203)

Remarks: (Lit.)

Toxicity to daphnia and EC50 - Daphnia (water flea) – 2.3 mg/l - 48 h

other aquatic invertebrates: (OECD Test Guideline 202)

Toxicity to algae: Static test ErC50 - Chlorella vulgaris (Fresh water algae) – 9.05 mg/l- 72 h

(OECD Test Guideline 201)

### **12.2 Persistence and degradability:**

Biodegradability Result: - Not readily biodegradable.

### **12.3 Bioaccumulate potential:**

No data available

### **12.4 Mobility in soil:**

No data available

### **12.5 Results of PBT and vPvB assessment:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Other adverse effects:**

Toxic to aquatic life with long lasting effects. Discharge into the environment must be avoided.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods:**

#### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material

with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as



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other national and local regulations. Leave chemicals in original containers. No mixing with other waste.

Handle uncleaned containers like the product itself.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information**

	Land transport (ADR/RID)	Air transport (IATA)	Sea transport (IMDG)
<b>14.1 UN number</b>	3077		
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (tert-Butyl-4-methoxyphenol)		
<b>14.3 Class</b>	9		
<b>14.4 Packing group</b>	III		
<b>14.5 Environmentally hazardous</b>	Yes		
<b>14.6 Special precautions for user</b>	---	---	---
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b> Not relevant			

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2 Chemical safety assessment:**

For this product a chemical safety assessment was not carried out

**SECTION 16: Other information**

**Full text of H-Statements referred to under sections 2 and 3.**

H302 Harmful if swallowed.

H411 Toxic to aquatic life with long lasting effects.

**Training advice**

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Provide adequate information, instruction and training for operators.

**References:** Not available

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