



An ISO 9001:2000 Company

Manufacturer of Anti-Oxidants



Milestone
PRESERVATIVES PVT. LTD.
(ISO 9001:2000 Certified)

REACH Pre-registration No. 05-2114487672-37-0000

Page no: 01

MATERIAL SAFETY DATA SHEET

(REVISED ON 31.03.2008)

1.. Product and company identification.

Chemical Name	:	Tertiary Butyl Hydroquinone-Technical Grade
Trade Name	:	T.B.H.Q.-Technical Grade
Supplier	:	Manufacturer
Name	:	MILESTONE PRESERVATIVES PVT.LTD.
Address	:	401 Akashdeep Apt., Karelibaug, Baroda.
Telephone Numbers	:	0091 2662 242751
Fax Number	:	0091 2662 242752

2. Composition / information on ingredients

SUBSTANCE :

Chemical name	:	TERTIARY BUTYL HYDROQUINONE
Synonyms	:	2 Tertiary Butyl 1-4 dihydroxy benzene
CAS number	:	1948-33-0
EINECS NO.	:	217-752-2
Hazardous impurities	:	None

3. Hazards Identification

Most Important Hazards:

Adverse human health effects	:	Harmful on contact with skin and if swallowed. Severely irritating to eyes. Risk of serious damage to eyes. Dust is irritating to the respiratory system.
Environmental effects	:	Very toxic to aquatic organisms
Physical and chemical hazards	:	Divided solid. Dust explosion possible when mixed with air.

4. First – Aid Measures

Inhalation	:	Move the affected person away from the contaminated area and into the fresh air. Give artificial respiration if necessary.
Skin Contact	:	Remove all contaminated clothing and footwear. Wash immediately with plenty of soap & water.
Eye Contact	:	IMMEDIATELY rinse with plenty of water for a prolonged period, whilst keeping the eyes wide open (for atleast 15 minutes) consult an eye specialist immediately.
Ingestion	:	Rinse mouth with water. If the person is fully conscious, try to induce vomiting. Call a doctor immediately. If possible show him this sheet, failing this, show him the packaging or label.

5. Fire-Fighting measures

Extinguishing Media :

Suitable	:	Water Spray/ Powders / Carbon Dioxide (CO ₂) foam
Not suitable	:	Strong Water Jet
Specific hazards	:	Combustible solid / Dust clouds may ignite.

Protection of firefighters : Self-contained breathing apparatus
 Factory : Plot 123/P, Padra-Jambusar Road, Village - Gavesar, Tal. : Padra, Dist. Vadodara. INDIA
 Tel. : 91-2662-245051 Fax : 91-2662-245152

Mail Add. : 401, Akashdeep Apartment, Nr. Water Tank, Karelibaug, Vadodara-390 018. INDIA
 Cell : 9825005510 E-mail : aimlab@yahoo.co.in Website : www.milestonetbhq.com



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid contact with skin and eyes.
Do not breathe dust.
Protective equipment
- Safety glasses.

Environmental precautions : Avoid direct discharge into drains.

Methods for cleaning up:
Recovery : Collect up the product and place it in a spare container:
Suitably labeled , made of plastic.
Keep the recovered product for subsequent disposal

Cleaning / Decontamination : Wash with caustic soda solution (2-5% NaOH)
Then wash with plenty of water.
Recover the cleaning water for subsequent disposal.

7. HANDLING & STORAGE

HANDLING

Technical measures : Dust Extraction (suction)
Use in a closed system
Earth the equipment used to transfer the product.

Measures : Avoid contact with air
Avoid the formulation or spread of dust in the atmosphere.
Avoid any direct contact with the product.

Safe handling advice : Avoid the build-up of dust.

STORAGE

Storage conditions:
-Recommended : To guarantee the quality and properties of the product keep.
- protect from light.
- the container tightly closed and dry.
- protected from air.
Store:
- away from any source of ignition.

Incompatible products : Strong oxidizing agents.
Alkalis and caustic products.

Packing : Product must only be kept in the original packaging.
- Polyethylene liner inside a fiber - board drums.

Packaging materials:
-Recommended : Original packaging.

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8. Exposure controls / personal protection

Engineering measures : Extraction to remove dust at its source.
Ensure good ventilation of the work station.

Personal protective equipment:

- Hand protection : Impermeable protective gloves.
- Eye protection : Goggles
- Skin and body protection : Protective clothing.

Collective emergency equipment : Safety shower.
Eye fountain/

Hygiene measures : Always wash your hands after handling the product.

9. Physical and chemical properties

APPEARANCE : Crystalline solid

- Form : Powder
- Colour : White

Melting point : 124° C to 126°C

Purity : 95.00% Min.

10. Stability and reactivity

Stability : Stable at ambient temperature and under normal conditions of use.

Hazardous reactions:

- Conditions to avoid : Dust explosion hazard in air.
- Materials to avoid : Strong bases.
Strong oxidizing agents.
- Hazardous decomposition Products : On combustion or on thermal decomposition (pyrolysis) releases toxic gases (Carbon oxides (CO+CO₂))

11. TOXICOLOGICAL INFORMATION

Inhalation : High concentrations of dust may cause irritation tract.
Nosebleeds may occur.

Skin contact : May cause mild irritation.

Eye contact : May cause mild irritation.

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12. Ecological information

Behavior in the environment:
Persistence /Degradability : No information available.
Bioaccumulation : Not potentially bioaccumulable.
Ecotoxicity:
- Effects on the aquatic environment: No information available.

13. Disposal Considerations

WASTE FROM RESIDUES:

Prohibition : Do not allow the product to be released into the Environment.

Destruction / disposal : Do not dispose of with domestic refuse.
Incinerate at a licensed installation.

CONTAMINATED PACKAGING:

Prohibition : Do not dispose of the product at a rubbish tip.

Decontamination /cleaning : Cleaning is not required prior to disposal.

Destruction / Disposal : Incinerate at a licensed installation.

NOTE : The user's attention is drawn to the possible existence of Local regulations regarding disposal.

14. Transport information

INTERNATIONAL REGULATIONS;

Land:

-Rail / road (RID/ADR) : NOT restricted.

-Sea (IMO/ IMDG) : NOT restricted

- Air (ICAO-IATA) : NOT restricted.

15. Regulatory Information

Users should ensure that they comply with any relevant local, provincial, or national legislation.

CAS No. : 1948330

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NOTE : The regulatory information given above only indicate the principal Regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible Existence of additional provisions which complete these regulations. Refer to all applicable national, international and local Regulations or provisions.

16. Other informations

USES : Anti - Oxidant.
Feed industry. Pat Foods, Bio-Diesel, Cosmetics.

Further production information
Chemical formula : C₁₀ H₁₄ O₂
Molecular mass : 166.24 g

The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the Use of hazardous products. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than for which it was intended. It is the sole responsibility of the user to take all precautions required in handling the product.

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