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Supersedes all previous editions

MATERIAL SAFETY DATA SHEET

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION :

Chemical Name : 2,6 DI-TERT-BUTYL-PARA CRESOL
[BUTYLATED HYDROXY TOLUENE]

Company Identification :

Ratnagiri Chemicals Pvt. Ltd.

Head Office: 611/612 Raheja Arcade, Sector 11,
CBD Belapur, Navi Mumbai – 400614.
Maharashtra, INDIA

Tel Nos +91-22-2757 0191
+91-22-2757 0236

Fax Nos +91-22-2757 0060

Factory: C-39, MIDC Lote-Parshuram Indl Area
Lote - 415722
Maharashtra, INDIA

Tel Nos +91-2356-272650
Fax Nos +91-2356-272117

Chemical Name : 2,6 Di-Tert-Butyl-Para Cresol
Product Use : Antioxidant [Food Grade]
Molecular Formula : C₁₅H₂₄O
Molecular Weight : 220.36
Synonym(s) : 2,6 Di-tert-butyl-4-methyl-phenol

Section 2 – COMPOSITION, INFORMATION ON INGREDIENTS :

<u>Weight</u>	<u>Component</u>	<u>CAS Registry No</u>	<u>EC no</u>
100 %	2,6 Di-Tert-Butyl-Para Cresol [BHT]	128-37-0	204-881-4

Section 3. HAZARD IDENTIFICATION:

AT ELEVATED TEMPERATURES , VAPOR MAY CAUSE IRRITATION OF EYES
AND RESPIRATORY TRACT.

may cause long-term adverse effects in the aquatic environment



Section 4. FIRST AID INFORMATION:

After inhalation: fresh air.

After skin contact: wash off with plenty of water. Remove contaminated clothing.

After eye contact: rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist if necessary .

After swallowing: immediately make victim drink plenty of water. Call in physician.

Section 5. FIRE FIGHTING MEASURES:

Suitable extinguishing media: Water, CO₂, foam, powder.

Special risks: Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment for fire fighting: Do not stay in dangerous zone without self-contained breathing apparatus.

Other information: Prevent fire-fighting water from entering surface water or groundwater

Section 6. ACCIDENTAL RELEASE MEASURES:

Person-related precautionary measures: Avoid substance contact. Avoid inhalation of dusts. Ensure supply of fresh air in enclosed rooms.

Environmental-protection measures: Do not allow to enter sewerage system.

Procedures for cleaning / absorption: Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

Section 7. HANDLING AND STORAGE:

Personal Precautionary Measures: Avoid breathing vapor from heated material. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials. Minimize dust generation and accumulation.

Storage: Keep container closed. This material may be used in food. Protect from contamination. Do not store or ship together with odorous substances, toxic substances.

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an



acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Eye Protection: Wear safety glasses with side shields (or goggles) and a face shield. Wear a full- face respirator, if needed.

Skin Protection: Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Recommended Decontamination Facilities: eye bath, safety shower, washing facilities.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES:

<u>Sr.No</u>	<u>Property</u>	<u>Typical Value,Units</u>
01	Form	Crystals
02	Color	White
03	Odour	Almost odourless
04	pH Value	Not available
05	Melting Point	69-70 °C
06	Boiling Point	265 °C
07	Ignition temperature	345 °C
08	Flash Point	127 °C
09	Explosion limits Lower upper	Not available Not available
10	Vapour pressure [20°C] [100°C]	0.02 hPa 2.40 hPa
11	Relative vapour density	7.6
12	Density [20°C]	1.05 g/cm ³
13	Bulk density	450 kg/m ³
14	Solubility in water [20°C]	<0.001 g/l

Section 10. STABILITY:

Stability: stable.

Incompatibility: Material reacts with strong oxidizing agents.

Hazardous Polymerization : Will not occur.

Section 11. TOXICOLOGICAL INFORMATION:

Oral LD-50: (rat)	1,700 mg/kg
Oral LD-50: (mouse)	800 –1,600 mg/kg
Dermal LD-50: (guinea pig)	> 8,000 mg/kg
Skin Irritation (guinea pig)	slight
Skin Sensitization@guinea pig)	none



Section 12. ECOLOGICAL INFORMATION:

Oxygen Demand Data:

BOD -5:	510 mg/g
COD :	2,270 mg/g
ThBOD:	2,980 mg/g

Section 13. DISPOSAL INFORMATION:

Discharge, treatment, or disposal may be subject to national, state, or local laws.
Incinerate.

Section 14. TRANSPORTATION INFORMATION:

DOT [USA] : Class not regulated

Sea – IMDG [International Maritime Dangerous Goods]: Class not regulated

Air – ICAO [International Civil Aviation Organization]: Class not regulated

Section 15. REGULATORY INFORMATION:

Labelling according to EC directives:

Symbol:	--	
R-phrases	53	May cause long term adverse effects in the aquatic environment.
S-phrases:	61	Avoid release to the environment. Refer to special instructions / Safety data sheets.

Reduced labelling [1999/45/EC,Art.10,4]

Symbol:	--	
R-phrases	53	May cause long term adverse effects in the aquatic environment.
S-phrases:	--	



Carcinogenicity Classification (components present at 0.1% or more): none, unless listed below

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

EINECS (European Inventory of Existing Commercial Chemical Substances): This product is listed on EINECS or otherwise complies with EINECS requirements.
EINECS Number : 204-881-4

Section 16. OTHER INFORMATION

For additional information concerning this product, contact the following:

PRODUCT EMERGENCIES

RATNAGIRI CHEMICALS PVT LTD

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The data and recommendations presented in this data sheet concerning the use of our product and the materials contain there in are believed to be accurate and are based on information which is considered reliable as of the date hereof. However, the customer should determine the suitability of such material for his purpose before adopting them on a commercial scale. Since the use of our products by others is beyond our control, no guarantee, express or implied, is made and no responsibility assumed for the use of this material or the results to be obtained there from. Information on this form is furnished for the purpose of compliance with Government Health and Safety Regulations and shall not be used for any other purposes. Moreover, the recommendations contained in this data sheet are not to be construed as a license to operate under, or a recommendation to infringe, any existing patents, nor should they be confused with state, municipal or insurance requirements, or with national safety codes.
