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MATERIAL SAFETY DATA SHEET

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION :

Chemical Name : 2,2'-methylenebis[6-t-butyl-4-methylphenol]
[RCPL-ANTOX-22M46]

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 : Phenol,2,2'-methylenebis[6-1,1-dimethylethyl)-4-methyl-
Product Use : Antioxidant for natural or synthetic rubber.
Molecular Formula : C₂₃H₃₂O₂
Molecular Weight : 341.00
Synonym(s) : Phenol,2,2'-methylenebis[6-1,1-dimethylethyl)-4-methyl-

Section 2 – COMPOSITION, INFORMATION ON INGREDIENTS :

<u>Weight</u>	<u>Component</u>	<u>CAS Registry No</u>	<u>EC no</u>
98 %	22M46	119-47-1	204-327-1

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:

Sr.No	Property	Typical Value,Units
01	Appearance	White to off white powder
02	Melting range [°C]	128-132
03	Density	1.08
04	Water solubility [mg/lit]	0.02

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)	5000 mg/kg
Oral LD-50: (mouse)	11000 mg/kg
Dermal LD-50: (guinea pig)	> 8,000 mg/kg
Skin Irritation (rabbit)	not irritating
Skin Sensitization[human)	none

Section 12. ECOLOGICAL INFORMATION:

Oxygen Demand Data:

NO DATA AVAILABLE

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:

NOT AVAILABLE

Section 16. OTHER INFORMATION

For additional information concerning this product, contact the following:

PRODUCT EMERGENCIES

RATNAGIRI CHEMICALS PVT LTD
Head Office: 611/612 Raheja Arcade, Sector 11,
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Maharashtra, INDIA
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Fax Nos +91-2256-272117

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