

Material Safety Data Sheet (MSDS)

Product Name: Menthol Crystal Medium 100% Pure

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd
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1. Identification of the Substance/Preparation and of the Company

Product Name: Menthol Crystal Medium 100% Pure

Chemical Name: (-)-Menthol

Synonyms: L-Menthol, Peppermint Camphor

Molecular Formula: C₁₀H₂₀O

Molecular Weight: 156.27 g/mol

Intended Use: Used in pharmaceuticals, cosmetics, flavoring, and aromatherapy.

2. Hazards Identification

Classification (GHS):

- Eye Irritation – Category 2A
- Skin Irritation – Category 2
- Specific Target Organ Toxicity (Single Exposure) – Category 3

Signal Word: Warning

Hazard Statements:

- Causes skin and eye irritation.
- May cause respiratory irritation.

Precautionary Statements:

- Avoid breathing dust or vapors.
- Wear protective gloves and eye protection.
- Wash thoroughly after handling.

3. Composition / Information on Ingredients

Substance: Menthol

CAS Number: 2216-51-5

EC Number: 201-939-0

Purity: 100%

4. First Aid Measures

Inhalation: Move the person to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical help immediately.

5. Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, CO₂, alcohol-resistant foam, or water spray.

Special Hazards: Combustible material. Vapors may form explosive mixtures with air.

Protective Equipment: Firefighters should wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid inhalation of vapors.

Environmental Precautions: Prevent further leakage or spillage. Avoid entry into drains.

Methods for Cleaning Up: Collect spillage with non-combustible absorbent material and dispose properly.

7. Handling and Storage

Handling: Avoid contact with eyes and skin. Use only in well-ventilated areas.

Storage: Store in tightly closed containers in a cool, dry, and well-ventilated place. Keep away from heat and open flame.

8. Exposure Controls / Personal Protection

Exposure Limits: Not established.

Engineering Controls: Ensure adequate ventilation.

Personal Protective Equipment:

- **Respiratory:** Use approved respirator if exposure limits are exceeded.
 - **Hand Protection:** Chemical-resistant gloves.
 - **Eye Protection:** Safety goggles.
 - **Skin Protection:** Protective clothing as necessary.
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9. Physical and Chemical Properties

Appearance: Colorless to white crystalline solid

Odor: Strong peppermint odor

Melting Point: 41–44°C

Boiling Point: 212°C

Solubility: Slightly soluble in water, soluble in alcohol and oils

Flash Point: 93°C

Vapor Pressure: Low

Specific Gravity: 0.890–0.895

10. Stability and Reactivity

Stability: Stable under normal conditions.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

Conditions to Avoid: Heat, flames, sparks, and direct sunlight.

11. Toxicological Information

Acute Toxicity:

- Oral (Rat) LD₅₀: 3300 mg/kg

Skin Corrosion/Irritation: May cause irritation.

Serious Eye Damage/Irritation: Causes irritation.

Respiratory Effects: Inhalation of vapors may cause coughing or dizziness.

12. Ecological Information

Ecotoxicity: Harmful to aquatic organisms in high concentrations.

Persistence and Degradability: Readily biodegradable.

Bioaccumulation: Low potential.

Mobility in Soil: Low mobility due to low solubility in water.

13. Disposal Considerations

Dispose of contents/container in accordance with local/regional/national regulations. Avoid release to the environment.

14. Transport Information (*Detailed*)

UN Number: Not regulated as hazardous material under transport regulations.

UN Proper Shipping Name: Menthol Crystals

Transport Hazard Class: Not classified as dangerous goods.

Packing Group: Not applicable

Environmental Hazards: None known.

Special Precautions for User:

- Keep container tightly sealed during transport.

- Protect from moisture, direct sunlight, and heat.
- Handle with care to prevent breakage or leakage.
- Transport in original, properly labeled containers.
- Ensure vehicles are clean and dry before loading.
Transport Labels: Not required.
Regulatory Transport References:
 - **ADR/RID (Road/Rail):** Not regulated
 - **IMDG (Maritime):** Not regulated; store away from food or feedstuffs
 - **IATA (Air):** Not regulated; ensure temperature below 25°C

15. Regulatory Information

Regulation (EC) No 1272/2008 (CLP): Classified as irritant.

US TSCA: Listed

India (CIB & RC): Approved for cosmetic and pharmaceutical use.

16. Other Information

This information is believed to be accurate and represents the best data currently available. However, SBF Pharma makes no warranty, express or implied, regarding its accuracy or completeness. The user assumes all responsibility for the safe handling and use of this material.

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- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.