

CHEMICAL WITHOUT BORDERS-POWERED BY INDIA

CIN No.: U24100GJ2010PTC060594 GST No.: 24AADCT5202F1ZU

MSME No: UDYAM-GJ-25-0009026

ISO 9001:2015 | QMS/NAB-C21601/1645

Material Safety Data Sheet (MSDS)

Eucalyptol Oil

Revision Date: 1-October-2025

Version: 1.0

Section 1: Product Identification

• Product Name: Eucalyptol Oil

• Chemical Formula: C10H18O

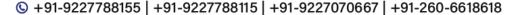
• CAS No: 8000-48-4

• Synonyms: 1,8-Cineole; Cineol; Eucalyptol

• **Recommended Use:** Used in perfumery, traditional medicine, and aromatherapy (restricted in food use due to β -asarone content).

Section 2: Hazards Identification

- Classification (GHS): Flammable Liquid (Category 4), Skin Irritant (Category 2), Eye Irritant (Category 2), Aspiration Hazard (Category 1).
- Signal Word: Danger
- Hazard Statements:



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- Combustible liquid
- Causes skin irritation
- Causes serious eye irritation
- May be fatal if swallowed and enters airways
- Precautionary Statements:
 - Keep away from heat, sparks, open flames, and hot surfaces No smoking
 - Avoid breathing vapors
 - Wear protective gloves, eye and face protection
 - Wash hands thoroughly after handling
 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting

Section 3: Composition / Information on Ingredients

• Concentration: 100%

Section 4: First Aid Measures

- Inhalation: Remove to fresh air. If symptoms develop, seek medical attention.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation persists.
- Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. Seek medical attention if irritation persists.
- Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical advice if feeling unwell.

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Section 5: Fire-Fighting Measures

- Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide (CO2); water spray.
- Specific Hazards: Combustible liquid (Flash point ~ 93 °C); emits toxic fumes of carbon oxides under fire conditions.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment. Avoid breathing vapors. Ensure adequate ventilation. Eliminate ignition sources.
- Environmental Precautions: Prevent entry into drains and waterways.
- Cleanup Methods: Absorb with inert material (sand, earth). Collect in suitable container for disposal.

Section 7: Handling and Storage

- **Handling:** Avoid inhalation of vapors and contact with skin/eyes. Use with adequate ventilation. Keep away from ignition sources.
- **Storage:** Keep container tightly closed. Store in a cool, dry, well-ventilated place away from heat and oxidizing agents.

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Section 8: Exposure Controls / Personal Protection

- Exposure Limits: No established occupational exposure limits; minimize exposure due to potential carcinogenicity.
- Engineering Controls: Provide adequate ventilation and local exhaust if needed.
- **Personal Protective Equipment:** Chemical-resistant gloves, safety goggles, protective clothing. Respirator if ventilation is inadequate.

Section 9: Physical and Chemical Properties

Appearance: Colorless liquid

Odor: Characteristic, camphor-like, eucalyptus odor

Boiling Point: 176–177 °C

Flash Point: 49 °C (closed cup)

Solubility: Insoluble in water; miscible with ethanol and organic solvents

Molecular Weight: 154.25 g/mol

Section 10: Stability and Reactivity

- Stability: Stable under normal conditions.
- Incompatible Materials: Strong oxidizing agents.

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• Hazardous Decomposition Products: Carbon oxides under fire conditions.

Section 11: Toxicological Information

- Routes of Exposure: Inhalation, ingestion, skin and eye contact.
- Acute Effects: Harmful if swallowed (due to β -asarone); causes skin and eye irritation; may cause respiratory irritation.
- **Chronic Effects:** Prolonged or repeated exposure may cause dermatitis and liver/kidney effects.

Section 12: Ecological Information

- Ecotoxicity: May be harmful to aquatic life in high concentrations.
- Persistence and Degradability: Expected to be biodegradable.
- Bioaccumulative Potential: Low to moderate potential.

Section 13: Disposal Considerations

• Dispose of contents/container in accordance with local/regional/national regulations. Do not release into the environment.

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Section 14: Transport Information

• UN Number: UN1993

• Proper Shipping Name: Flammable liquid, n.o.s. (contains Eucalyptol)

• Hazard Class: 3

• Packing Group: III

Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and listed under international chemical inventories (TSCA, EINECS, etc.).
- Classified as hazardous substance as per GHS.

Section 16: Other Information

• **Disclaimer:** The above information is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under actual conditions of use. **Triveni chemicals** disclaims any liability for damage resulting from handling or contact.



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