

Material Safety Data Sheet (MSDS)

Product Name: Eucalyptus Oil

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 Company

- **Product Name:** Eucalyptus Oil
- **Synonyms:** Eucalyptus globulus oil, Eucalyptus essential oil
- **Chemical Formula:** C₁₀H₁₈O (approximate for 1,8-cineole component)
- **CAS Number:** 8000-48-4

2. Composition / Information on Ingredients

- **Eucalyptus Oil:** 80%
- **Solvent / Carrier:** 20%
- **Note:** This product is a blend of high-purity eucalyptus oil with suitable carrier/solvent to achieve 80% concentration.

3. Hazards Identification

- **Emergency Overview:** Flammable liquid and vapor. May cause skin and eye irritation. Avoid inhalation of vapors.
 - **GHS Classification:** Flammable liquids – Category 3; Skin irritation – Category 2; Eye irritation – Category 2B
 - **Potential Health Effects:**
 - **Inhalation:** May cause respiratory tract irritation, dizziness, nausea.
 - **Skin Contact:** May cause redness or irritation.
 - **Eye Contact:** Causes irritation; may result in redness and tearing.
 - **Ingestion:** May cause gastrointestinal irritation, nausea, vomiting.
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4. First Aid Measures

- **Inhalation:** Move to fresh air. If symptoms persist, seek medical attention.
 - **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Ingestion:** Do not induce vomiting. Rinse mouth and seek immediate medical advice.
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5. Fire Fighting Measures

- **Flammable Properties:** Flash point ~49°C
 - **Suitable Extinguishing Media:** Foam, CO2, dry chemical powder, water fog
 - **Unsuitable Extinguishing Media:** Do not use strong water jet
 - **Special Fire Fighting Instructions:** Wear self-contained breathing apparatus and protective clothing
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6. Accidental Release Measures

- **Personal Precautions:** Use protective equipment. Avoid inhalation and contact with skin/eyes.
 - **Environmental Precautions:** Prevent entry into drains, sewers, or waterways.
 - **Spill Cleanup:** Absorb with inert material (sand, vermiculite). Collect in suitable container and dispose of according to regulations.
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7. Handling and Storage

- **Handling:** Avoid inhalation and skin contact. Keep away from ignition sources. Use in well-ventilated areas.
 - **Storage:** Store in a cool, dry, and well-ventilated place. Keep container tightly closed. Away from heat, sparks, and flame.
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8. Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** Not established for eucalyptus oil; general precautionary limits apply.
 - **Engineering Controls:** Use local exhaust ventilation if required.
 - **Personal Protective Equipment (PPE):**
 - **Eye Protection:** Safety goggles
 - **Hand Protection:** Chemical-resistant gloves
 - **Respiratory Protection:** If vapors exceed permissible levels, use NIOSH-approved respirator
 - **Skin Protection:** Protective clothing
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9. Physical and Chemical Properties

- **Appearance:** Clear to pale yellow liquid
- **Odor:** Characteristic eucalyptus
- **Boiling Point:** 176–177°C
- **Flash Point:** ~49°C

- **Density:** 0.92–0.94 g/cm³
 - **Solubility:** Insoluble in water, soluble in alcohol and oils
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10. Stability and Reactivity

- **Chemical Stability:** Stable under recommended storage conditions
 - **Conditions to Avoid:** Heat, sparks, open flames
 - **Incompatible Materials:** Strong oxidizers, acids, alkalis
 - **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide on combustion
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11. Toxicological Information

- **Acute Toxicity:** Low toxicity orally; LD50 (rat) > 2 g/kg
 - **Chronic Effects:** Prolonged or repeated exposure may cause skin irritation
 - **Sensitization:** May cause mild sensitization in some individuals
 - **Carcinogenicity/Mutagenicity/Reproductive Toxicity:** Not classified
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12. Ecological Information

- **Aquatic Toxicity:** Harmful to aquatic life in high concentrations
 - **Persistence and Degradability:** Biodegradable
 - **Bioaccumulative Potential:** Low
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13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
 - Avoid release into the environment.
 - Incineration or chemical waste disposal recommended.
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14. Transport Information (Detailed)

Regulatory Classification:

- **UN Number:** 1169
 - **UN Proper Shipping Name:** Extracts, Aromatic, Liquid
 - **Transport Hazard Class:** 3 (Flammable Liquids)
 - **Packing Group:** III
 - **Label Required:** Flammable liquid
 - **Transport Considerations:**
 - **Road (ADR/RID):** Must be transported in approved flammable liquid containers. Avoid exposure to high temperatures and direct sunlight. Ensure vehicle is ventilated.
 - **Sea (IMDG):** Follow IMDG Code for flammable liquids. Keep away from food and incompatible cargo. Use proper packaging and labeling.
 - **Air (IATA):** Subject to IATA regulations for flammable liquids. Only authorized packaging allowed; ensure no leaks.
 - **Precautions:** Segregate from oxidizing agents, acids, and bases during transport. Emergency response information should accompany the shipment.
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15. Regulatory Information

- **GHS Classification:** Flammable liquid, Skin and Eye Irritant
 - **Label Elements:** Signal word: Danger
 - **Hazard Statements:** H226 – Flammable liquid and vapor, H315 – Causes skin irritation, H319 – Causes serious eye irritation
 - **Precautionary Statements:** P210 – Keep away from heat/sparks/open flames, P280 – Wear protective gloves/eye protection, P305+P351+P338 – IF IN EYES, rinse cautiously with water
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16. Other Information

- **Disclaimer:** Information contained herein is believed to be accurate and reliable.

However, no warranty is expressed or implied regarding the accuracy of the data. Users should verify suitability for their intended use.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.