

Material Safety Data Sheet (MSDS)

Product Name: Cinnamon 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: Cinnamon Oil

Synonyms: Cinnamomum zeylanicum oil, Cinnamomum cassia oil

Chemical Formula: Not applicable (mixture of essential oil components)

Molecular Weight: Not applicable

Recommended Use: Used in pharmaceuticals, cosmetics, food flavoring, and aromatherapy applications.

2. Hazards Identification

Classification: Flammable liquid, Category 3

Hazard Statements:

- H226: Flammable liquid and vapor.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.

- H319: Causes serious eye irritation.

Precautionary Statements:

- Keep away from heat, sparks, open flames, and hot surfaces.
- Avoid contact with skin and eyes.
- Use personal protective equipment as required.

3. Composition / Information on Ingredients

Substance: Cinnamon Oil (Natural Essential Oil)

Main Components:

- Cinnamaldehyde: 60–75%
- Eugenol: 5–10%
- Coumarin, Linalool, and other trace compounds

4. First Aid Measures

- **Inhalation:** Move to fresh air. If breathing is difficult, seek medical attention.
- **Skin Contact:** Wash immediately with plenty of soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse thoroughly with water for at least 15 minutes. Seek medical advice.
- **Ingestion:** Do not induce vomiting. Rinse mouth and seek immediate medical assistance.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, carbon dioxide (CO₂), foam, or water spray.
- **Unsuitable Media:** Do not use direct water jet.
- **Specific Hazards:** May produce toxic fumes such as carbon monoxide and carbon dioxide when burned.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

- Remove ignition sources.
- Ventilate the area.
- Absorb spill with inert material (sand or earth).
- Dispose of according to local regulations.
- Avoid release into drains or watercourses.

7. Handling and Storage

- Handle in a well-ventilated area.
- Avoid contact with skin and eyes.
- Keep container tightly closed.
- Store in a cool, dry, well-ventilated place away from direct sunlight and heat sources.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Ensure adequate ventilation.
- **Personal Protective Equipment:**
 - **Eye Protection:** Safety goggles.
 - **Skin Protection:** Chemical-resistant gloves.
 - **Respiratory Protection:** Use suitable respirator if ventilation is inadequate.

9. Physical and Chemical Properties

- **Appearance:** Yellow to brownish liquid
- **Odor:** Characteristic cinnamon fragrance
- **Boiling Point:** 248–252°C
- **Flash Point:** 82°C
- **Solubility:** Insoluble in water; soluble in alcohol and oils

- **Specific Gravity:** 1.00 – 1.05
 - **Refractive Index:** 1.580 – 1.620
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Conditions to Avoid:** Heat, flames, and sparks.
 - **Incompatible Materials:** Strong oxidizing agents and acids.
 - **Decomposition Products:** Carbon monoxide, carbon dioxide.
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11. Toxicological Information

- **Acute Toxicity:** May cause irritation to skin, eyes, and mucous membranes.
 - **Skin Corrosion/Irritation:** Causes irritation and may cause allergic reactions.
 - **Sensitization:** May cause skin sensitization.
 - **Inhalation:** Prolonged exposure may cause respiratory irritation.
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12. Ecological Information

- **Ecotoxicity:** Harmful to aquatic life with long-lasting effects.
 - **Persistence and Degradability:** Biodegradable but may persist under certain conditions.
 - **Bioaccumulative Potential:** Low.
 - **Mobility in Soil:** Low due to insolubility in water.
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13. Disposal Considerations

- Dispose of in accordance with local environmental regulations.
 - Do not pour into drains or watercourses.
 - Contaminated packaging should be disposed of as hazardous waste.
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14. Transport Information (Detailed)

UN Number: UN 1169

UN Proper Shipping Name: Extracts, aromatic, liquid (Cinnamon Oil)

Transport Hazard Class: 3 (Flammable Liquids)

Packing Group: III

Labels Required: Flammable Liquid (Red diamond with flame pictogram)

Environmental Hazards: Not classified as a marine pollutant but avoid spillage into waterways.

Transport Precautions:

- Keep containers tightly sealed.
- Store upright and away from sources of ignition.
- Do not transport with oxidizers or strong acids.
- Use spark-proof tools and explosion-proof equipment during loading/unloading.

Regulatory Transport Modes:

- **ADR/RID (Road/Rail):** UN 1169, Class 3, PG III
- **IMDG (Maritime):** UN 1169, Class 3, PG III, EMS F-E, S-D
- **IATA (Air):** UN 1169, Class 3, PG III

Special Precautions for User:

- Avoid inhalation of vapors.
- Handle with care to prevent leakage.
- Transport only in approved containers.

15. Regulatory Information

- Classified and labeled according to the Globally Harmonized System (GHS).
- Compliance: REACH, CLP Regulation (EC) No 1272/2008.

16. Other Information

This information is based on current knowledge and is intended to describe the product for health, safety, and environmental requirements only. It should not be construed as guaranteeing specific properties of the product.

- **MSDS Generate Date:** 20-05-2017

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