

Material Safety Data Sheet (MSDS)

Product Name: Bhimseni Camphor Flakes

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Product Identification

- **Name:** Bhimseni Camphor Flakes
- **Synonyms:** Cinnamomum Camphora, Camphor, Karpur
- **Chemical Formula:** $C_{10}H_{18}O$
- **CAS Number:** 124-76-5

2. Composition / Information on Ingredients

- **Camphor:** 100%
- **Purity:** >99%

3. Physical and Chemical Properties

- **Appearance:** White crystalline flakes
- **Odor:** Strong, characteristic camphor odor

- **Melting Point:** 175–180 °C
 - **Boiling Point:** 204 °C
 - **Solubility:** Soluble in alcohol, ether, chloroform; slightly soluble in water
 - **Specific Gravity:** 0.988 g/cm³
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4. Hazards Identification

- **GHS Classification:** Flammable solid, irritant
 - **Signal Word:** Warning
 - **Hazard Statements:**
 - H228: Flammable solid
 - H315: Causes skin irritation
 - H319: Causes serious eye irritation
 - **Precautionary Statements:** Keep away from heat, sparks, and flames. Use protective gloves and eye protection.
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5. First Aid Measures

- **Inhalation:** Move to fresh air; seek medical attention if symptoms persist.
 - **Skin Contact:** Wash thoroughly with soap and water. Seek medical advice if irritation develops.
 - **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Consult a physician if irritation continues.
 - **Ingestion:** Do not induce vomiting. Seek immediate medical attention.
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6. Fire Fighting Measures

- **Extinguishing Media:** Use dry chemical powder, CO₂, or foam.
- **Special Fire Hazards:** May release toxic fumes of CO and CO₂ when burning.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective clothing.

7. Accidental Release Measures

- **Personal Precautions:** Avoid inhalation and contact with skin and eyes.
- **Environmental Precautions:** Prevent entry into drains or waterways.
- **Spill Cleanup:** Sweep up and dispose of in accordance with local regulations. Use non-sparking tools.

8. Handling and Storage

- **Handling:** Handle in a well-ventilated area. Avoid dust generation. Keep away from heat, sparks, and flames.
- **Storage:** Store in a cool, dry, and well-ventilated place, away from incompatible substances like strong oxidizers. Keep container tightly closed.

9. Exposure Controls / Personal Protection

- **Engineering Controls:** Provide local exhaust ventilation.
- **Respiratory Protection:** Use appropriate respirator if exposure limits are exceeded.
- **Hand Protection:** Wear chemical-resistant gloves.
- **Eye Protection:** Use safety goggles.
- **Skin Protection:** Wear protective clothing.

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Hazardous Reactions:** Can react violently with strong oxidizers.
- **Conditions to Avoid:** Heat, flames, sparks.
- **Decomposition Products:** Carbon monoxide, carbon dioxide, and other toxic fumes.

11. Toxicological Information

- **Acute Toxicity:** LD50 (oral, rat) ~1310 mg/kg
- **Skin Irritation:** May cause irritation

- **Eye Irritation:** Causes serious irritation
 - **Chronic Effects:** Prolonged exposure may cause central nervous system effects
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12. Ecological Information

- **Persistence and Degradability:** Biodegradable
 - **Aquatic Toxicity:** Harmful to aquatic organisms at high concentrations
 - **Mobility:** Low water solubility, may accumulate in sediments
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13. Disposal Considerations

- Dispose of material in accordance with local, regional, and national regulations.
 - Do not release into drains or water bodies.
 - Use incineration or authorized chemical waste disposal methods.
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14. Transport Information (Detailed)

Camphor flakes are classified as hazardous for transport due to their flammable nature. Detailed transport guidance:

- **UN Number:** 1334
- **UN Proper Shipping Name:** Camphor
- **Transport Hazard Class:** 4.1 (Flammable solids)
- **Packing Group:** II
- **Label Required:** Flammable solid (Class 4.1)
- **Transport Conditions:**
 - Keep away from heat, sparks, and open flame.
 - Ensure containers are tightly sealed and upright during transport.
 - Transport in well-ventilated vehicles.
- **Special Precautions:**
 - Avoid friction, shock, and contact with strong oxidizing agents.

- Emergency procedures should be in place in case of fire during transit.
 - **International Transport Regulations:**
 - **IATA/ICAO (Air Transport):** Forbidden for passenger aircraft; cargo aircraft only.
 - **IMDG (Marine Transport):** Follow IMO regulations; stow away from sources of heat.
 - **ADR/RID (Road/Rail):** Handle as flammable solid; separate from incompatible materials.
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15. Regulatory Information

- **Hazard Symbol:** Flammable Solid
 - **SARA Title III / OSHA:** Complies with OSHA Hazard Communication Standard
 - **TSCA:** Listed
 - **Other Regulations:** May be subject to local flammable material regulations
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16. Other Information

- **Disclaimer:** The information provided in this MSDS is based on current knowledge and is intended to describe the product for safety purposes. It is not a guarantee of product properties. Users should ensure proper handling, storage, and disposal according to local regulations.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.