

Material Safety Data Sheet (MSDS)

Product Name: Camphor Powder

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Product Identification

- **Chemical Name:** Camphor Powder
- **Synonyms:** Cinnamomum camphora extract, Borneo camphor
- **CAS Number:** 76-22-2
- **Chemical Formula:** C₁₀H₁₆O
- **Product Type:** Organic compound, solid powder

2. Composition / Information on Ingredients

- Camphor (CAS No. 76-22-2) – ≥99% purity

3. Hazards Identification

- **Emergency Overview:** Flammable solid, may cause skin and eye irritation. Vapors may irritate respiratory tract.
- **GHS Classification:**

- Flammable solid – Category 1
 - Acute toxicity (oral) – Category 4
 - Skin irritation – Category 2
 - Eye irritation – Category 2A
 - **Symptoms:** Dizziness, headache, nausea, skin redness, eye irritation
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4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse 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 attention.
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5. Firefighting Measures

- **Extinguishing Media:** Dry chemical powder, CO₂, foam. Avoid water jet.
 - **Special Fire Hazards:** Emits toxic fumes of CO and CO₂ upon burning.
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus (SCBA) and protective clothing.
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6. Accidental Release Measures

- Avoid breathing dust. Use protective equipment.
 - Sweep up and place in suitable, closed containers for disposal.
 - Ventilate area and avoid ignition sources.
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7. Handling and Storage

- **Handling:** Use with adequate ventilation. Avoid dust formation. Keep away from heat, sparks, open flame.
- **Storage:** Store in a cool, dry, well-ventilated area in tightly closed containers. Away from oxidizers and acids.

8. Exposure Controls / Personal Protection

- **Occupational Exposure Limit:** Not established; avoid inhalation of dust.
- **Engineering Controls:** Adequate ventilation, fume hoods if necessary.
- **Personal Protective Equipment (PPE):**
 - Gloves: Chemical resistant
 - Eye protection: Safety goggles
 - Respiratory protection: Dust mask or respirator

9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odor:** Strong camphoraceous odor
- **Melting Point:** 175–177°C
- **Boiling Point:** 204°C (sublimes)
- **Solubility:** Soluble in alcohol, ether; slightly soluble in water
- **Flammability:** Highly flammable

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions
- **Conditions to Avoid:** Heat, sparks, open flame
- **Incompatible Materials:** Strong oxidizing agents, acids
- **Hazardous Decomposition Products:** CO, CO₂, toxic vapors upon combustion

11. Toxicological Information

- **Acute Toxicity:** Oral LD₅₀ (rat) ~ 1310 mg/kg
- **Skin Contact:** May cause irritation
- **Eye Contact:** May cause redness and pain

- **Inhalation:** May cause respiratory irritation
 - **Chronic Effects:** Prolonged exposure may affect CNS
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12. Ecological Information

- **Environmental Hazards:** Toxic to aquatic organisms
 - **Persistence and Degradability:** Biodegradable, low bioaccumulation potential
 - **Mobility:** May be mobile in soil
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13. Disposal Considerations

- Dispose of in accordance with local, state, and national regulations.
 - Avoid release to the environment.
 - Incineration recommended for large quantities.
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14. Transport Information (Detailed)

- **UN Number:** 1334
- **UN Proper Shipping Name:** Camphor
- **Transport Hazard Class:** 4.1 – Flammable solid
- **Packing Group:** II
- **Environmental Hazards:** Not classified as marine pollutant
- **Transport Precautions:**
 - Handle containers with care; avoid mechanical shock.
 - Keep away from sparks, heat, open flames.
 - Store in cool, dry, ventilated area during transport.
 - Ensure packages are well-labeled with “Flammable Solid” markings.
 - Segregate from oxidizing agents and acids.
- **Transport Modes:** Road, rail, air, and sea; follow IMDG, IATA, ADR regulations.

- **Emergency Procedures:** In case of spillage during transport, isolate area, ventilate, remove ignition sources, and use protective equipment to collect spilled material.
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15. Regulatory Information

- Complies with Indian chemical safety regulations
 - Hazard classification and labeling according to GHS
 - Satisfies OSHA Hazard Communication Standard requirements
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16. Other Information

- **Disclaimer:** Information is based on current knowledge and is intended to describe the product for safety purposes. Not to be considered as a warranty or guarantee.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.