

Material Safety Data Sheet (MSDS)

Product Name: Camphor Powder IP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Product Identification

- **Product Name:** Camphor Powder
- **Synonyms:** Cinnamomum Camphora, Camphor, Borneol Ketone
- **Chemical Formula:** $C_{10}H_{16}O$
- **CAS Number:** 76-22-2
- **Grade:** IP (Indian Pharmacopoeia) Grade

2. Composition / Information on Ingredients

Camphor Powder IP Grade contains **≥ 99% pure camphor** (CAS Number: 76-22-2). It is free from significant impurities and meets the standards specified in the Indian Pharmacopoeia.

3. Hazards Identification

- **GHS Classification:** Flammable solid, Irritant (Eye)
- **Signal Word:** Danger

- **Hazard Statements:**
 - H228: Flammable solid
 - H319: Causes serious eye irritation
 - **Precautionary Statements:**
 - Keep away from heat/sparks/open flames
 - Avoid breathing dust
 - Wear protective gloves and eye protection
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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.
 - **Eye Contact:** Rinse cautiously with water for 15 minutes; seek medical advice.
 - **Ingestion:** Rinse mouth; do not induce vomiting; get medical attention.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Dry chemical powder, CO₂, foam
 - **Unsuitable Extinguishing Media:** Water jet may spread fire
 - **Special Hazards:** Emits toxic fumes of CO, CO₂ on burning
 - **Protective Equipment for Firefighters:** Self-contained breathing apparatus (SCBA), protective clothing
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6. Accidental Release Measures

- **Personal Precautions:** Avoid inhalation of dust; wear protective gear
 - **Environmental Precautions:** Prevent entry into water bodies
 - **Methods for Cleaning:** Sweep and collect into suitable containers; avoid dust generation
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7. Handling and Storage

- **Handling:** Avoid contact with eyes, skin; use in well-ventilated area
 - **Storage:** Store in cool, dry, and well-ventilated place away from heat, sparks, and flames
 - **Incompatible Materials:** Strong oxidizing agents
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8. Exposure Controls / Personal Protection

- **Exposure Limits:** No specific occupational exposure limit; avoid dust exposure
 - **Engineering Controls:** Local exhaust ventilation
 - **Personal Protective Equipment (PPE):**
 - Gloves: Chemical resistant
 - Eye protection: Safety goggles
 - Respiratory protection: Dust mask if ventilation is inadequate
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9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
 - **Odor:** Characteristic camphor odor
 - **Melting Point:** 175–177°C
 - **Boiling Point:** 204°C
 - **Solubility:** Soluble in alcohol, ether; slightly soluble in water
 - **Flammability:** Highly flammable
 - **Flash Point:** 204°C (closed cup)
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Conditions to Avoid:** Heat, sparks, open flame
- **Incompatible Materials:** Strong oxidizing agents, acids
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide

11. Toxicological Information

- **Acute Toxicity:** LD50 (oral, rat) ~ 1,280 mg/kg
- **Symptoms of Exposure:** Nausea, vomiting, headache, dizziness if ingested in large amounts
- **Chronic Effects:** Prolonged exposure may irritate skin or eyes

12. Ecological Information

- **Ecotoxicity:** Harmful to aquatic organisms in high concentrations
- **Persistence and Degradability:** Biodegradable
- **Bio accumulative Potential:** Low

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations
- Avoid release into the environment
- Incineration in a controlled facility is preferred

14. Transport Information (Detailed Information)

- **UN Number:** UN1325
- **UN Proper Shipping Name:** CAMPHOR, Flammable solid
- **Transport Hazard Class:** 4.1 (Flammable solid)
- **Packing Group:** II
- **Transport by Road (ADR/RID):**
 - Proper shipping name: CAMPHOR, flammable solid
 - Class: 4.1
 - Packing group: II
 - Label: Flammable solid

- Special precautions: Keep away from sources of ignition; avoid friction or impact
 - **Transport by Sea (IMDG):**
 - Class: 4.1
 - Packing group: II
 - Marine pollutant: No
 - **Transport by Air (IATA/ICAO):**
 - Class: 4.1
 - Packing group: II
 - Special handling: Keep away from heat, sparks, and flames; handle carefully to avoid friction
 - **General Guidance:** Transport in well-sealed containers; ensure proper ventilation in transport vehicles; comply with all applicable regulations
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15. Regulatory Information

- **Regulations:** Complies with Indian Pharmacopoeia (IP) standards
 - **Labelling Requirements:** Flammable solid, Irritant
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16. Other Information

- **Disclaimer:** Information is based on current knowledge and intended to describe safety requirements of the product. It should not be construed as guaranteeing specific properties.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.