

## Material Safety Data Sheet (MSDS)

### Camphor

**Prepared by:** Triveni Chemicals

**Revision Date:** 26-August-2025

**Version:** 1.0

### Section 1: Product Identification

- **Product Name:** Camphor
- **Chemical Formula:** C<sub>10</sub>H<sub>16</sub>O
- **CAS No:** 76-22-2
- **Recommended Use:** Used in pharmaceuticals, cosmetics, incense, and as a plasticizer.

▪ **Supplier:**

**Triveni Chemicals**

Office No. 123-124, Pancharatna,  
Char Rasta, GIDC,  
Vapi - 396195, Gujarat, India

☎ +91-9696960250

✉ info@trivenichemical.com

## Section 2: Hazards Identification

- **Classification (GHS):** Flammable Solid (Category 2), Acute Toxicity Oral (Category 4), Skin Irritant (Category 2), Eye Irritant (Category 2A).
- **Signal Word:** Warning
- **Hazard Statements:**
  - Flammable solid
  - Harmful if swallowed
  - Causes skin irritation
  - Causes serious eye irritation
- **Precautionary Statements:**
  - Keep away from heat, sparks, open flames, and hot surfaces
  - Avoid breathing dust and vapors
  - Wear protective gloves and eye protection
  - Wash hands thoroughly after handling

## Section 3: Composition / Information on Ingredients

- **Chemical Name:** Camphor
- **Synonyms:** 2-Bornanone, Gum Camphor

- **CAS Number:** 76-22-2
- **Concentration:** >95%

## Section 4: First Aid Measures

- **Inhalation:** Move to fresh air. If symptoms occur, seek medical attention.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation persists.
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek immediate medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek immediate medical advice.

## Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, carbon dioxide (CO<sub>2</sub>).
- **Specific Hazards:** Flammable solid. Emits toxic fumes of carbon oxides under fire conditions.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

## Section 6: Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment. Avoid inhalation and contact with skin/eyes. Ensure proper ventilation.
- **Environmental Precautions:** Prevent entry into drains and waterways.
- **Cleanup Methods:** Sweep up carefully and place in a suitable container for disposal. Avoid creating dust.

## Section 7: Handling and Storage

- **Handling:** Avoid inhalation of vapors/dust and contact with skin/eyes. Use in a well-ventilated area. Keep away from ignition sources.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place. Protect from heat and direct sunlight.

## Section 8: Exposure Controls / Personal Protection

- **Exposure Limits:** OSHA PEL: 2 mg/m<sup>3</sup> (8h TWA)
- **Engineering Controls:** Ensure adequate ventilation and local exhaust systems.
- **Personal Protective Equipment:** Gloves, protective goggles, lab coat, respirator if exposure limits are exceeded.

## Section 9: Physical and Chemical Properties

- **Appearance:** White crystalline solid
- **Odor:** Characteristic, penetrating odor
- **Boiling Point:** 204 °C
- **Melting Point:** 175–177 °C (sublimes easily)
- **Flash Point:** 65 °C (closed cup)
- **Solubility:** Slightly soluble in water; soluble in ethanol and organic solvents
- **Molecular Weight:** 152.23 g/mol

## Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Incompatible Materials:** Strong oxidizing agents, acids, and bases.
- **Hazardous Decomposition Products:** Carbon oxides under fire conditions.

## Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin and eye contact.
- **Acute Effects:** Harmful if swallowed. Causes irritation to skin, eyes, and respiratory tract.

- **Chronic Effects:** Prolonged exposure may cause liver, kidney, and central nervous system effects.

---

## Section 12: Ecological Information

- **Ecotoxicity:** Toxic to aquatic life in large quantities.
- **Persistence and Degradability:** Expected to be biodegradable.
- **Bioaccumulative Potential:** Low potential for bioaccumulation.

---

## Section 13: Disposal Considerations

- Dispose of contents/container in accordance with local/regional/national regulations. Avoid release into the environment.

---

## Section 14: Transport Information

- **UN Number:** UN 2717
- **Proper Shipping Name:** Camphor, synthetic
- **Hazard Class:** 4.1 (Flammable solids)
- **Packing Group:** III

## Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and listed under international chemical inventories (TSCA, EINECS, etc.).
- Classified as hazardous substance as per GHS.

## Section 16: Other Information

- **Prepared By:** Triveni Chemicals, Regulatory Affairs Department
- **Disclaimer:** The above information is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under actual conditions of use. **Triveni chemicals** disclaims any liability for damage resulting from handling or contact.