

MAA TARINI ENTERPRISES



MATERIAL SAFETY DATA SHEET

MSDS

Revision Date: 21/05/2022

Print Date: 21/05/2022 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 **Product Name:** Camphor
- 1.1 **Relevant identified uses of the substance or mixture and uses advised against: Relevant identified uses:** For research use only, not for human or veterinary use.
- 1.2 **Details of the Supplier of the Safety Data Sheet:**
- Company Name:** Maa Tarini Enterprises
- 1.3 **Address**
- Khata no 389/144**
- Mouza Sankharidiha**
- Jaraka Dharamsala**
- Odisha**
- Contact No:** 8908025592
- Email ID:** rkb042@gmail.com



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Section 2. Hazards Identification

2.1 Classification of the Substance or

Mixture: Flammable Solids,

Category 2

Acute Toxicity: Inhalation,

Category 4 Acute Toxicity: Oral,

Category 4

Specific Target Organ Toxicity (single exposure),

Category 2 Aquatic Toxicity (Chronic), Category 2

2.2 Label Elements:



GHS Signal Word:

Warning

GHS Hazard Phrases:

H228: Flammable solid.

H302: Harmful if swallowed.

H332: Harmful if inhaled.

H371: May cause damage to organs

{lungs}. H411: Toxic to aquatic life with long

lasting effects. **GHS Precaution Phrases:**

P210: Keep away from {heat/sparks/open flames/hot surfaces}. - No

smoking. P260: Do not breathe {dust/fume/gas/mist/vapors/spray}.

P264: Wash {hands} thoroughly after handling. P273: Avoid

release to the environment.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

GHS Response Phrases:

P301+312: IF SWALLOWED: P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing. P308+311: If exposed or concerned: Call a {POISON CENTER/Doctor/...}.

P330: Rinse mouth.

P391: Collect spillage.

GHS Storage and Disposal Phrases:

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Please refer to Section 7 for Storage and Section 13 for Disposal information.

- 2.3 Adverse Human Health** Flammable solid.
- Effects and Symptoms:** Harmful if inhaled or swallowed.
May cause damage to organs {lungs}.
Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by skin absorption.
May cause damage to organs {lungs}.
May cause eye, skin, or respiratory system irritation. Toxic to aquatic life with long lasting effects.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated

SECTION 3: Composition/information on ingredients

CAS No.	Hazardous Components (Chemical Name)/ REACH Registration No.	% Percentage
100-97-0	Hexamine	80%
76-22-2	Camphor	20%

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SECTION 4: First aid measures

Section 4. First Aid Measures

4.1 Description of First Aid

Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

SECTION 5: Firefighting measures

Section 5. Fire Fighting Measures

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- 5.1 Suitable Extinguishing** Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.
Media: Use water spray to cool fire-exposed containers.
Unsuitable Extinguishing A solid water stream may be inefficient.
Media:
- 5.2 Flammable Properties and Hazards:** No data available.
Hazards: No data available.
Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
Auto ignition Pt: No data.
- 5.3 Fire Fighting Instructions:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved orequivalent), and full protective gear to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

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- 6.1 Protective Precautions,** Avoid raising and breathing dust, and provide adequate ventilation.
Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
Emergency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
- 6.2 Environmental Precautions:** Take steps to avoid release into the environment, if safe to do so.
- 6.3 Methods and Material For Contain spill and collect,** as appropriate.
Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.
Up:

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Section 7. Handling and Storage

- 7.1 Precautions to Be Taken avoid in Handling:** breathing dust/fume/gas/mist/vapors/spray.
Avoid prolonged or repeated exposure.
- 7.2 Precautions To Be Taken in Storing:** Keep container tightly closed.
Store in accordance with information listed on the product insert.

SECTION 8: Exposure controls/personal protection

- 8.1 Exposure Parameters:**
- 8.2 Exposure Controls:**
- 8.2.1 Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to control Airborne
(Ventilation etc.): levels below recommended exposure limits.
- 8.2.2 Personal protection equipment:**
- Eye Protection:** Safety glasses
- Protective Gloves:** Compatible chemical-resistant gloves
- Other Protective Clothing:** Lab coat

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Respiratory Equipment NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenance Do not take internally.

Practices: Facilities storing or utilizing this material should be equipped with eyewash and a safety Shower.
Wash thoroughly after handling.
No data available.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: Gas Liquid Solid
Appearance and Odor: A solid
pH: No data.
Melting Point: No data.
Boiling Point: No data.
Flash Pt: No data.
Evaporation Rate: No data.
Flammability (solid, gas): No data available.
Explosive Limits: LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Specific Gravity (water=1): No data.
Solubility in water : ~ 1.2mg/ml
Octanol / water partition Coefficient : No data.
Autoignition Pt: No data.
Decomposition Temperature: No data.
Viscosity: No data.

9.2 Other Information

Percent Volatile : No data.
Molecular formula & weight : C₁₀H₁₆O 152.2

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Section 10. Stability and Reactivity

- 10.1 11.1. Reactivity:** No data available.
- 10.2 Stability:** Unstable [] Stable [X]
- 10.3 Stability Note(s):** Stable if stored in accordance with information listed on the product insert.
- Polymerization:** Will occur [] Will not occur [X]
- 10.4 Conditions To Avoid:** No data available.
- 10.5 Incompatibility - Materials** chlorinated solvents
- To Avoid:** strong oxidizing agents
strong reducing agents

Section 11. Toxicological Information

- 11.1 Information on Toxicological Effects:** The toxicological effects of this product have not been thoroughly studied.
(1R)-(+)-Camphor - Toxicity Data: Subcutaneous LDLO (rat): 1700 mg/kg; Intraperitoneal LDLO(rat): 3500 mg/kg; Oral LD50 (mouse): 1310 mg/kg; Subcutaneous LD50 (mouse): 2200 mg/kg;
- Chronic Toxicological Effects:** (1R)-(+)-Camphor - Investigated as a primary irritant and reproductive effector. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.(1R)-(+)-Camphor RTECS Number: EX1260000

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
76-22-2	Camphor	n.a.	n.a.	n.a.	n.a.

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Section 12. Ecological Information

- 12.1 Toxicity:** Avoid release into the environment.
Runoff from fire control or dilution water may cause pollution.
- 12.2 Persistence and Degradability:** No data available.
- 12.3 Bio accumulative Potential:** No data available.
- 12.4 Mobility in Soil:** No data available.
- 12.5 Results of PBT and vPvB assessment:** No data available.
- 12.6 Other adverse effects:** No data available.

Section 13. Disposal Considerations

- 13.1 Waste Disposal Method:** Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Camphor, [synthetic]
DOT Hazard Class: 4.1 FLAMMABLE SOLID
UN/NA Number: 2717



14.1 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Camphor, [synthetic]

UN Number: 2717 Packing Group: III
Hazard Class: 4.1 - FLAMMABLE SOLID

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Camphor, [synthetic]
UN Number: 2717 Packing Group: III
Hazard Class: 4.1 - FLAMMABLE SOLID IATA Classification: 4.1

Additional Transport Transport in accordance with local, state, and federal regulations.

Information: When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10.

Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.

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Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1980) Lists				
CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
464-49-3	(1R)-(+)-Camphor	No	No	No
Regulatory Information This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.				
Statement: Hazardous Components (Chemical Name)		Other US EPA or State Lists		
464-49-3 (1R)-(+)-Camphor		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory: CA PROP.65: No		

Section 16. Other Information

Regulatory Information	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.
Statement:	No.1272/2008.

Disclaimer:

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