

Material Safety Data Sheet (MSDS)

Cashmeran

CAS Number: 33704-61-9

Prepared by: Triveni Chemicals

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Version: 1.0

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

- **Product Name:** Cashmeran
- **Synonyms:** 6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone; DPMI; Musk Indanone
- **Recommended Use:** Laboratory chemicals, synthesis of substances
- **Supplier:**
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SECTION 2: Hazards Identification

- **GHS Classification:**
 - Acute toxicity, oral (Category 5), H303
 - Skin corrosion/irritation (Category 2), H315
 - Serious eye damage/eye irritation (Category 2A), H319
 - Skin sensitization (Category 1B), H317
 - Hazardous to the aquatic environment, chronic hazard (Category 2), H411
- **Signal Word:** *Warning*
- **Hazard Statements:**
 - H303: May be harmful if swallowed
 - H315: Causes skin irritation
 - H317: May cause an allergic skin reaction
 - H319: Causes serious eye irritation
 - H411: Toxic to aquatic life with long lasting effects
- **Precautionary Statements:**
 - P261: Avoid breathing dust/fume/gas/mist/vapors/spray
 - P264: Wash skin thoroughly after handling
 - P272: Contaminated work clothing should not be allowed out of the workplace
 - P273: Avoid release to the environment
 - P280: Wear protective gloves/protective clothing/eye protection/face protection

- P302+P352: IF ON SKIN: Wash with plenty of water
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention
- P337+P313: If eye irritation persists: Get medical advice/attention
- P362+P364: Take off contaminated clothing and wash it before reuse
- P391: Collect spillage
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations

SECTION 3: Composition/Information on Ingredients

Component CAS No. Concentration

Cashmeran 33704-61-9 ≥99%

SECTION 4: First Aid Measures

- **Inhalation:** Move to fresh air. If breathing is difficult, administer oxygen. Seek medical attention if symptoms persist.
- **Skin Contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention if irritation develops.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention.

- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Seek immediate medical attention.

SECTION 5: Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO₂).
- **Special Hazards:** Combustible. May emit toxic fumes under fire conditions.
- **Protective Equipment:** Wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental Release Measures

- **Personal Precautions:** Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.
- **Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- **Methods for Cleaning Up:** Absorb with inert material and place in chemical waste container. Dispose of according to local regulations.

SECTION 7: Handling and Storage

- **Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapors or mist. Provide appropriate exhaust ventilation.
- **Storage:** Store in a cool, dry, and well-ventilated place. Keep container tightly closed. Store locked up.

SECTION 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Ensure adequate ventilation, especially in confined areas.
- **Personal Protective Equipment:**
 - **Eye/Face Protection:** Safety goggles
 - **Skin Protection:** Protective gloves and clothing
 - **Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment
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SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	solid
Odor	Musk, woody, spicy, floral

Property	Value
Melting Point	27 °C
Boiling Point	256 °C
Flash Point	127°C
Density	Not determined
Solubility in Water	Insoluble
Partition Coefficient (n-octanol/water)	4.2
Autoignition Temperature	Not available

SECTION 10: Stability and Reactivity

- **Chemical Stability:** Stable under recommended storage conditions.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.
- **Conditions to Avoid:** Heat, flames, sparks.

SECTION 11: Toxicological Information

- **Acute Toxicity:**

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- **Oral LD₅₀ (Rat):** 2901 mg/kg
- **Skin Corrosion/Irritation:** Causes skin irritation
- **Serious Eye Damage/Irritation:** Causes serious eye irritation
- **Respiratory or Skin Sensitization:** May cause an allergic skin reaction
- **Germ Cell Mutagenicity:** Not classified
- **Carcinogenicity:** Not classified
- **Reproductive Toxicity:** Not classified
- **Specific Target Organ Toxicity – Single Exposure:** Not classified
- **Specific Target Organ Toxicity – Repeated Exposure:** Not classified
- **Aspiration Hazard:** Not classified

SECTION 12: Ecological Information

- **Aquatic Toxicity:**
 - **LC₅₀ (Fish, 96 h):** Not available
 - **EC₅₀ (Daphnia magna, 48 h):** Not available
- **Persistence and Degradability:** Not readily biodegradable
- **Bioaccumulative Potential:** High potential (log Kow = 4.2)
- **Mobility in Soil:** Low mobility due to low water solubility
- **Other Adverse Effects:** Toxic to aquatic life with long lasting effects

SECTION 13: Disposal Considerations

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

SECTION 14: Transport Information

- **UN Number:** UN3082
- **UN Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Cashmeran)
- **Transport Hazard Class:** 9 (Miscellaneous dangerous substances and articles)
- **Packing Group:** III
- **Environmental Hazards:** Marine pollutant
- **Special Precautions for User:** None

SECTION 15: Regulatory Information

- **Safety, Health, and Environmental Regulations:**
 - Listed on TSCA (US), EINECS (EU)
 - Not listed under REACH SVHC

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.

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