



Specialized in chemicals

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## Material Safety Data Sheet

### Dipentene MSDS

#### Section 1: Chemical Product and Company Identification

**Product Name:** Dipentene

**CAS#:** 68956-56-9/138-86-3

**Synonym:** DL-Limonene; 4-ISOPROPENYL-1-METHYL-1-CYCLOHEXENE;

**Chemical Formula:** C10H16

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#### Section 2: Composition and Information on Ingredients

**Composition:**

Name	CAS #	%By Weight
Dipentene	68956-56-9/138-86-3	100

**Toxicological Data on Ingredients:** Not applicable.

#### Section 3: Hazards Identification

Carcinogenicity

Not considered a carcinogen by NTP or IARC or OSHA.

Risks Summary

Flammable. Harmful if swallowed.

#### Section 4: First Aid Measures

**Eye Contact**

Flush with water for at least 15 minutes. If irritation develops, get medical attention.

**Skin Contact**

Remove contaminated clothing. Wash affected areas with plenty of soap and water. If irritation develops, get medical attention.

**Inhalation**

Seek fresh air immediately. If breathing is difficult, get medical attention.

**Ingestion**

Drink lots of water to dilute substance. Do not induce vomiting. Get medical attention immediately.

**Notes To Physician**

Do not induce vomiting. Aspiration of the vomitus may cause lung damage.

**Section 5: Fire and Explosion Data**

**Means of Extinction**

Carbon dioxide, dry chemical, foam. If water must be used, use as a spray only.

**Unusual Fire/Explosion Hazards**

Flammable liquid. Avoid heat, sparks and open flames.

**Hazardous Combustion Products**

Carbon dioxide, carbon monoxide, acrid fumes.

**Section 6: Accidental Release Measures**

**Personal Precautions**

Refer to Section 8 for personal protection equipment information.

**Environmental Precautions**

Do not discharge into lakes, streams, ponds or public waters.

**Cleanup Procedures**

Small spills should be adsorbed by dirt, sand or other suitable adsorbent. Large spills may be pumped into closed containers for recovery or disposal.

**Section 7: Handling and Storage**

**Handling**

Wear safety glasses or goggles, rubber gloves and apron when handling.

**Storage**

Do not store in close proximity to heat, sparks, open flames, strong acids, strong bases. To minimize Product degradation, avoid prolonged exposure of the material to air. Keep container tightly closed when not in use.

**Section 8: Exposure Controls/Personal Protection**

**Exposure Controls**

Ventilation

Not normally required. Local mechanical exhaust may be needed in confined and warm areas.

Safety Stations

An eyewash and safety shower should be readily available.

Contaminated Equipment

Clean contaminated equipment with soap and water. Do not discharge wash water into lakes, streams, ponds or public waters.

**Personal Protection Equipment**

Eye Protection

Wear safety glasses or goggles.

Hand Protection

Wear standard industrial type rubber gloves.

Skin Protection

A rubber apron is recommended when handling large quantities of this material.

Respiratory Protection

A respirator is not normally required. If the vapor concentration is high, use a NIOSH approved organic vapor respirator.

**Section 9: Physical and Chemical Properties**

Physical state liquid

Colour not determined

Odour characteristic

Melting point/freezing point -89°C

Boiling point or initial boiling point and boiling range 170°C - 180°C

Lower and upper explosion limit not determined

Flash point 43°C

Auto-ignition temperature not determined

Decomposition temperature not relevant

pH (value) not determined

Kinematic viscosity not determined

Solubility(ies) not determined

**Section 10: Stability and Reactivity Data**

**Conditions to Avoid**

Prolonged or excessive heat and/or exposure to air may cause decomposition or oxidation of the material.

**Materials to Avoid**

Avoid contact with strong acids, strong bases, and materials that react with unsaturated hydrocarbons.

**Hazardous Decomposition Products**

Carbon monoxide, carbon dioxide, acrid fumes

**Section 11: Toxicological Information**

Target Organs: Respiratory system. Primary Entry Routes: Ingestion.

Medical Conditions Aggravated by Overexposure

None known.

**ACUTE TOXICITY**

Acute Oral (LD50, rat) Not determined.

Acute Inhalation (LC50, rat) Not determined.

Acute Dermal (LD50, rabbit) Not determined.  
Eye Irritancy Prolonged contact with the undiluted material may cause irritation.  
Dermal Irritancy Prolonged contact with the undiluted material may cause irritation.  
Skin Sensitization Not determined.  
CHRONIC TOXICITY  
Mutagenicity Not determined.  
Teratogenicity Not determined.

### Section 12: Ecological Information

Biodegradability Not determined.  
Aquatic Toxicity Toxic to fish.  
Mobility Not determined.  
Bioaccumulation Potential Not determined.

### Section 13: Disposal Considerations

#### Waste treatment methods

Review federal, provincial and local government requirements prior to disposal.  
Store material for disposal as indicated in Storage Conditions.  
Disposal by controlled incineration or secure landfill may be acceptable.

### Section 14: Transport Information

#### UN number

ADR/RID: 2052 IMDG: 2052 IATA: 2052

#### UN proper shipping name

ADR/RID: DIPENTENE IMDG: DIPENTENE  
IATA: Dipentene

#### Transport hazard class(es)

ADR/RID: 3 IMDG: 3 IATA: 3

#### Packaging group

ADR/RID: III IMDG: III IATA: III

#### Environmental hazards

ADR/RID: yes IMDG Marine pollutant: yes IATA: no

#### Special precautions for user

No data available

### Section 15: Other Regulatory Information

Not available.

### Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

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