



# SAFETY DATA SHEET

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## Section 1: Identification

### Product and Company Identification

**Product Name:** Myrcene  
**Chemical Name/Synonyms:** C10H16  
**CAS NO.:** 123-35-3

**Relevant identified uses of the substance or mixture and uses advised against**  
**Identified uses :** Laboratory chemicals, Synthesis of substances

### Details of Supplier of Safety Data Sheet

**Company:** Terp Science Labs.  
215 E 4th St.  
Unit P-36  
Los Angeles, 90013  
USA

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**Website:** [www.TerpScienceLabs.com](http://www.TerpScienceLabs.com)

**In emergency call 911.**

**For information about this SDS, use this department contact phone#:** 1 (323) 625-0228

## Section 2: Hazard(s) Identification

### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 3), H226  
Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319  
Aspiration hazard (Category 1), H304

**Signal Word(s):** Danger

### Hazard Statements:

H227 Combustible liquid.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H402 Harmful to aquatic life.



**Pictograms:**

**Precautionary Statements:**

H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation. Precautionary statement(s)  
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ eye protection/ face protection.  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P331 Do NOT induce vomiting.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**Description of other hazards:** None

### Section 3: Composition/ Information on Ingredients

**Substances**

**Synonyms :** 7-Methyl-3-methylene-1,6-octadiene  $\beta$ -Myrcene

**Formula :** C<sub>10</sub>H<sub>16</sub>

**Molecular weight :** 136.23 g/mol

**CAS-No. :** 123-35-3

**EC-No. :** 204-622-5

| Chemical Name                      | Classification  | Concentration |  |
|------------------------------------|---|---------------|--|
| 7-Methyl-3-methyleneocta-1,6-diene | Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2A; Asp. Tox. 1; H226, H304, H315, H319 | <= 100 %      |  |

### Section 4: First-Aid Measures

**After skin contact:**

Wash off with soap and plenty of water. Consult a physician

**After eye contact:**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**After inhalation:**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**After swallowing:**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Section 5: Fire-Fighting Measures

**Extinguishing media**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Carbon oxides

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

Use water spray to cool unopened containers

### Section 6: Accidental Release Measures

**Personal precautions:**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Measures for environmental protection:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Measures for cleaning/collecting:**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

### Section 7: Handling and Storage

**Handling:**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

**Storage:**

Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Combustible liquids

**Specific end use(s):**

No other specific uses are stipulated

### Section 8: Exposure Controls/Personal Protection

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.  
Hazardous components without workplace control parameters

### Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Personal protective equipment

#### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

|  |  |
|--|--|
| <b>Appearance</b>                              | Form: liquid<br>Colour: colourless   |
| <b>Odour</b>                                   | No data available  |
| <b>Odour Threshold</b>                         | No data available  |
| <b>pH</b>                                      | No data available  |
| <b>Melting point/freezing point</b>            | Melting point/range: < -80 °C (< -112 °F) at 1,013 hPa (760 m mHg) - OECD Test Guideline 102 |
| <b>Initial boiling point and boiling range</b> | 167 °C (333 °F) - lit.   |
| <b>Flash point</b>                             | 44 °C (111 °F) - closed cup  |
| <b>Evaporation rate</b>                        | No data available  |
| <b>Flammability (solid, gas)</b>               | No data available  |

|   |  |
|---|--|
| <b>Upper/lower flammability or explosive limits</b> | No data available                                      |
| <b>Vapour pressure</b>                              | 9 hPa (7 mmHg) at 20 °C (68 °F)                        |
| <b>Vapour density</b>                               | 4.7 - (Air = 1.0)                                      |
| <b>Relative density</b>                             | 0.791 g/cm <sup>3</sup> at 25 °C (77 °F)               |
| <b>Water solubility</b>                             | 0.00109 g/l at 20 °C (68 °F) - OECD Test Guideline 105 |
| <b>Partition coefficient: noctanol/water</b>        | log Pow: 5.285 at 25 °C (77 °F)                        |
| <b>Auto-ignition temperature</b>                    | 255 °C (491 °F)  |
| <b>Decomposition temperature</b>                    | No data available                                      |
| <b>Viscosity</b>                                    | No data available                                      |
| <b>Explosive properties</b>                         | No data available                                      |
| <b>Oxidizing properties</b>                         | No data available                                      |
| <b>9.2 Other safety information</b>                 |  |
| Relative vapour density 4.7 - (Air = 1.0)           |  |

### Section 10: Stability and Reactivity

**Reactivity:** No data available  
**Chemical stability:** Stable under recommended storage conditions  
**Possibility of hazardous reactions:** No data available  
**Conditions to avoid:** Heat, flames and sparks  
**Incompatible materials:** Strong oxidizing agents  
**Hazardous decomposition products:** Other decomposition products - No data available

### Section 11: Toxicological Information

#### Information on toxicological effects

##### Acute toxicity

LD50 Oral - Rat - male and female - 11,390 mg/kg

LD50 Dermal - Rabbit - > 5,000 mg/kg  
(OECD Test Guideline 402)

No data available

##### Skin corrosion/irritation

Skin - Rabbit  
Result: Skin irritation - 24 h

##### Serious eye damage/eye irritation

Eyes - Rabbit  
Result: Irritating to eyes.  
(OECD Test Guideline 405 )

##### Respiratory or skin sensitisation

in vivo assay - Mouse  
Result: Does not cause skin sensitisation.  
(OECD Test Guideline 429)

##### Germ cell mutagenicity

Ames test

S. typhimurium  
Result: negative Mutagenicity (micronucleus test)  
Mouse - male and female  
Result: negative

**Reproductive toxicity**

No data available

Reproductive toxicity - Rat - Oral

Effects on Fertility: Pre-implantation mortality (e.g., reduction in number of implants per female; total number of implants per corpora lutea). Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Specific Developmental Abnormalities: Musculoskeletal system.

Reproductive toxicity - Rat - Oral

Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4).

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

Repeated dose toxicity Rat - male and female - Oral - LOAEL : 250 mg/kg

RTECS: RG5365000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Section 12: Ecological Information (non-mandatory)**

**Toxicity**

No data available

**Persistence and degradability**

Biodegradability aerobic - Exposure time 28 d

Result: 76 % - Readily biodegradable (OECD Test Guideline 301D)

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

No data available

**Section 13: Disposal Considerations (non-mandatory)**

**Waste treatment methods**

**Product**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information (non-mandatory)**

**DOT (US)**

UN-Number: 2319      Class: 3      Packing group: III

Proper shipping name: Terpene hydrocarbons, n.o.s.

Reportable Quantity (RQ):

Poison Inhalation Hazard: No

**IMDG**

UN number: 2319      Class: 3      Packing group: III EMS-No: F-E, S-D

Proper shipping name: TERPENE HYDROCARBONS, N.O.S.

**IATA**

UN number: 2319      Class: 3      Packing group: III

Proper shipping name: Terpene hydrocarbons, n.o.s.

**Section 15: Regulatory Information (non-mandatory)**

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Fire Hazard, Acute Health Hazard

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

7-Methyl-3-methyleneocta-1,6-diene      CAS-No. 123-35-3

**New Jersey Right To Know Components**

7-Methyl-3-methyleneocta-1,6-diene      CAS-No. 123-35-3

**California Prop. 65 Components**

WARNING! This product contains a chemical known to the State of California to cause cancer.

7-Methyl-3-methyleneocta-1,6-diene      CAS-No. 123-35-3

**Section 16: Other Information**

Employers should only use this information only as a supplement to other information gathered by them , and should make judgement suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet , or in any combination with any other product or process, is the responsibility of the user.

**Preparation Information**

Terp Science Labs

**SDS date of preparation/update:** 9/1/2019