Section 1. Chemical Product and Company Identification

Common Name/ Trade Name: Myrcene
Catalog Number(s): M2382
Chemical Name: Stabilized with 400 ppm Tenox GT-1
Chemical Formula: C10H16

Manufacturer: SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

Commercial Name(s): Not available.
Synonym: 7-Methyl-3-methylene-1,6-octadiene; beta-Myrcene
Chemical Family: 3-Methylene-7-Methyl-1,6-octadiene.
Stabilized with 400 ppm Tenox GT-1

Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Myrcene</td>
<td>123-35-3</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:
- ORAL (LD50): Acute: >5000 mg/kg [Rat].
- DERMAL (LD50): Acute: >5000 mg/kg [Rabbit].

Section 3. Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

Potential Chronic Health Effects:
- CARCINOGENIC EFFECTS: Not available.
- MUTAGENIC EFFECTS: Not available.
- TERATOGENIC EFFECTS: Not available.
- DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

IN CASE OF EMERGENCY
CHEMTREC (24hr) 800-424-9300
CALL (310) 516-8000

See Section 15.
### Section 4. First Aid Measures

| **Eye Contact** | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. |
| **Skin Contact** | In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention. |
| **Serious Skin Contact** | Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention. |
| **Inhalation** | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| **Serious Inhalation** | Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention. |
| **Ingestion** | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear. |
| **Serious Ingestion** | Not available. |

### Section 5. Fire and Explosion Data

| Flammability of the Product | Flammable. |
| Auto-Ignition Temperature | Not available. |
| Flash Points | CLOSED CUP: 39°C (102.2°F). |
| Flammable Limits | Not available. |
| Products of Combustion | These products are carbon oxides (CO, CO2). |
| Fire Hazards in Presence of Various Substances | Flammable in presence of open flames and sparks, of heat. |
| Fire Fighting Media and Instructions | Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. |

| Special Remarks on Fire Hazards | When heated to decomposition it emits acrid smoke and irritating fumes. |
| Special Remarks on Explosion Hazards | Not available. |

### Section 6. Accidental Release Measures

| **Small Spill** | Absorb with an inert material and put the spilled material in an appropriate waste disposal. |
| **Large Spill** | Flammable liquid, insoluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. |

Continued on Next Page
**Section 7. Handling and Storage**

**Precautions**
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

**Storage**
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

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

**Engineering Controls**
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection**
Splash goggles. Synthetic apron. Vapor respirator. Use a vapor respirator if ventilation is inadequate, if exposure limits are exceeded, or if irritation or other symptoms are experienced. Be sure to use an approved/certified respirator or equivalent. Gloves (impervious).

**Personal Protection in Case of a Large Spill**
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits**
Not available.

**Section 9. Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Physical state and appearance</th>
<th>Odor</th>
<th>Molecular Weight</th>
<th>Taste</th>
<th>pH (1% soln/water)</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid. (Oily liquid.)</td>
<td>Pleasant. Terpene</td>
<td>136.24 g/mole</td>
<td>Sweet, Citrus</td>
<td>Not applicable.</td>
<td>Yellow.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>167°C (332.6°F)</td>
<td>&lt;-10°C (14°F)</td>
<td>Not available.</td>
<td>0.794-0.8010 (Water = 1)</td>
<td>0.9 kPa (@ 20°C)</td>
<td>4.7 (Air = 1)</td>
<td>Not available.</td>
<td>Not available.</td>
<td>The product is more soluble in oil; log(oil/water) = 4.2</td>
<td>Not available.</td>
<td>See solubility in water, diethyl ether.</td>
<td>Soluble in diethyl ether. Insoluble in cold water, hot water. Soluble in alcohol (ethanol), chloroform, glacial acetic acid, benzene.</td>
</tr>
</tbody>
</table>

*Continued on Next Page*
## Section 10. Stability and Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>The product is stable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instability Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Conditions of Instability</td>
<td>Heat, ignition sources, incompatible materials</td>
</tr>
<tr>
<td>Incompatibility with various substances</td>
<td>Reactive with oxidizing agents, acids.</td>
</tr>
<tr>
<td>Corrosivity</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Special Remarks on Reactivity
- Not available.

### Special Remarks on Corrosivity
- Not available.

### Polymerization
- Will not occur.

## Section 11. Toxicological Information

### Routes of Entry
- Absorbed through skin. Eye contact. Inhalation. Ingestion.

### Toxicity to Animals
- Acute oral toxicity (LD50): >5000 mg/kg [Rat].
- Acute dermal toxicity (LD50): >5000 mg/kg [Rabbit].

### Chronic Effects on Humans
- Not available.

### Other Toxic Effects on Humans
- Hazardous in case of skin contact (irritant).
- Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

### Special Remarks on Toxicity to Animals
- Not available.

### Special Remarks on Chronic Effects on Humans
- May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data

### Special Remarks on other Toxic Effects on Humans
- Acute Potential Health Effects:
  - Skin: Causes moderate skin irritation. It can be absorbed through the skin.
  - Eyes: Causes moderate irritation.
  - Inhalation: Inhalation of vapor or mist may cause respiratory tract irritation. Inhalation of a high concentration of vapors may cause dizziness or suffocation.
  - Ingestion: May cause digestive/gastrointestinal tract irritation or disturbances.

## Section 12. Ecological Information

### Ecotoxicity
- Not available.

### BOD5 and COD
- Not available.

### Products of Biodegradation
- Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

### Toxicity of the Products of Biodegradation
- The product itself and its products of degradation are not toxic.

### Special Remarks on the Products of Biodegradation
- Not available.

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**Continued on Next Page**
Section 13. Disposal Considerations

Waste Disposal
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

DOT Classification
CLASS 3: Flammable liquid.

Identification
: Terpene Hydrocarbon, n.os (Myrcene) UNNA: 2318 PG: III

Special Provisions for Transport
Not available.

DOT (Pictograms)

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations
TSCA 8(b) inventory: Myrcene

California Proposition 65 Warnings
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.

Other Regulations
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 204-622-5).
Canada: Listed on Canadian Domestic Substance List (DSL).
China: Listed on National Inventory.
Japan: Listed on National Inventory (ENCS).
Korea: Listed on National Inventory (KECI).
Philippines: Listed on National Inventory (PICCS).
Australia: Listed on AICS.

Other Classifications
WHMIS (Canada) The classification of this product has not been validated yet by the Service du repertoire toxicologique. However, it may be classified as:
CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC)
R10- Flammable.
R36/38- Irritating to eyes and skin.

HMIS (U.S.A.)

Health Hazard 2
Fire Hazard 2
Reactivity 0
Personal Protection 1

National Fire Protection Association (U.S.A.)

Flammability
Reactivity
Specific hazard

Continued on Next Page
Protective Equipment

- Gloves.
- Lab coat.
- Wear appropriate respirator when ventilation is inadequate.
- Splash goggles.

**Section 16. Other Information**

**MSDS Code**

M0070

**References**

Not available.

**Other Special Considerations**

Not available.

Verified by Sonia Owen.
Printed 9/12/2006.

CALL (310) 516-8000
All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.