

SAFETY DATA SHEET

Preparation Date: 08/30/2018

Revision Date: 08/30/2018

Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: M2382
Product Name: MYRCENE, Stabilized with 0.01% alpha-Tocopherol, Technical

Other means of identification

Synonyms: beta-Myrcene
 3-Methylene-7-methyl-1,6-octadiene
 7-Methyl-3-methylene-1,6-octadiene
 Methyl-6-methylene-2,7-octadiene

CAS #: 123-35-3
RTECS # RG5365000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: No information available.
Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300

Contact Person: Martin LaBenz (West Coast)

Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Label elements

Warning

Hazard statements
 Causes skin irritation

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Causes serious eye irritation
May be fatal if swallowed and enters airways
Flammable liquid and vapor



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves
Wear eye/face protection
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/.../equipment
Use only non-sparking tools
Take precautionary measures against static discharge

Precautionary Statements - Response

In case of fire: Use CO₂, dry chemical, or foam to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Myrcene	123-35-3	100

4. FIRST AID MEASURES

First aid measures

General Advice:

National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s)

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involved and take precautions to protect themselves. First aider needs to protect himself.

- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops.
- Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention. If symptoms persist, call a physician.
- Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediate medical attention is required.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

Most important symptoms and effects, both acute and delayed

- Symptoms**
- Causes serious eye irritation
 - Causes skin irritation
 - May cause irritation of respiratory tract
 - Aspiration hazard if swallowed - can enter the lungs and cause damage
 - Aspiration into the lungs may cause chemical pneumonitis
 - Aspiration into the lungs may cause pulmonary edema
 - Central nervous system effects
 - Somnolence
 - Ataxia
 - May cause digestive tract irritation
 - Headache
 - tiredness
 - Nausea
 - Vomiting
 - May cause urinary incontinence
 - May affect the liver

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO₂). Dry chemical. Alcohol-resistant foam. Water spray.

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide.

Specific hazards: Flammable. May be ignited by heat, sparks or flames. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined

areas (sewers, basements, tanks). Container explosion may occur under fire conditions or when heated. Fire may produce irritating, corrosive and/or toxic gases.

Special Protective Actions for Firefighters

Specific Methods:

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions:

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment

Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep refrigerated. Store at 2-8 deg. C. Keep

away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:

- Strong oxidizing agents
- Strong acids
- Strong bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Myrcene	123-35-3	None	None	None	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Myrcene	123-35-3	None	None	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Myrcene	123-35-3	None	None

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

- Eye protection:** Goggles
- Skin and body protection:** Long sleeved clothing
Chemical resistant apron
Gloves
- Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid	Appearance: Oily.	Color: Yellow.
Odor: Pleasant. Terpene-like.	Taste: Sweet. Citrus.	Formula: C10H16
Molecular/Formula weight (g/mole): 136.24	Flammability: No information available	Flashpoint (°C/°F): 39°C/102.2°F
Flash Point Tested according to: Closed cup	Autoignition Temperature (°C/°F): 275°C/527°F	Lower Explosion Limit (%): No information available
Upper Explosion Limit (%): No information available	Melting point/range(°C/°F): < -10°C/14°F	Decomposition temperature(°C/°F): No information available
Boiling point/range(°C/°F): 167°C/332.6°F	Bulk density: No information available	Density (g/cm3): No information available
Specific gravity: 0.794-0.8010	pH: No information available	Vapor pressure @ 20°C (kPa): 0.9
Evaporation rate: No information available	Vapor density: 4.7	VOC content (g/L): No information available
Odor threshold (ppm): No information available	Partition coefficient (n-octanol/water): Iod Kow = 4.2-4.33	Viscosity: No information available
Miscibility: No information available	Solubility: Soluble in Ether Soluble in Ethanol Soluble in Chloroform Soluble in glacial Acetic acid Soluble in Benzene Insoluble in water	

10. STABILITY AND REACTIVITY

Reactivity

No information available

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

Incompatible Materials:
Strong oxidizing agents
Strong acids
Strong bases

Hazardous decomposition products: carbon oxides.

Other Information

Corrosivity: No information available

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Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Skin. Eyes. Ingestion. Inhalation.

Acute Toxicity

Component Information

Myrcene
CAS-No. 123-35-3

LD50/oral/rat = > 5 g/kg Oral LD50 Rat

LD50/oral/mouse = 5060 mg/kg

LD50/dermal/rabbit = >5 g/kg Dermal LD50Rabbit

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = > 5000 mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = 5060 mg/kg

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = > 5000 mg/kg

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation. It can be absorbed through the skin.

Eye Contact: Causes serious eye irritation.

Inhalation May cause irritation of respiratory tract. Inhalation of high concentrations of vapors may cause dizziness or suffocation. May cause headache. May cause tiredness.

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Ingestion May cause digestive (gastrointestinal) tract irritation. Ingestion may cause nausea, vomiting. May affect behavior/central nervous system (somnolence, ataxia). Aspiration hazard if swallowed. Aspiration into the lungs can cause chemical pneumonitis. Aspiration into the lungs may cause pulmonary lesions. May affect urinary system (kidneys).

Aspiration hazard May be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Chronic exposure may affect the liver and kidneys.

Sensitization: No information available.

Mutagenic Effects: No information available

Carcinogenic effects: Possibly carcinogenic to humans.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Myrcene	123-35-3	Group 2B - Possibly carcinogenic to humans - Monograph 119 [in preparation]	Not listed	Not listed	Present	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: May cause adverse reproductive effects based on animal data
No information on reproductive toxicity effects on humans was found

Developmental Effects: No information available

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

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Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal.

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Myrcene	123-35-3	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN2319
Proper Shipping Name: Terpene hydrocarbons, n.o.s.
Hazard Class: 3
Subsidiary Class: No information available
Packing group: III
Emergency Response Guide Number: 128
Marine Pollutant: No data available
DOT RQ (lbs): No information available
Special Provisions: B1, IB3, T4, TP1, TP29
Symbol(s): No information available
Description: UN2319, Terpene hydrocarbons, n.o.s., 3, III

TDG (Canada)

UN-No: UN2319
Proper Shipping Name: Terpene hydrocarbons, n.o.s.
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant: No Information available
Description: UN2319, Terpene hydrocarbons, n.o.s., 3, III

ADR

UN-No: UN2319
Proper Shipping Name: Terpene hydrocarbons, n.o.s.
Hazard Class: 3
Packing Group: III
Subsidiary Risk: No information available
Description: UN2319, Terpene hydrocarbons, n.o.s., 3, III

IMO / IMDG

UN-No: UN2319
Proper Shipping Name: Terpene hydrocarbons, n.o.s.
Hazard Class: 3

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Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant No information available
EMS: F-E
Description UN2319, Terpene hydrocarbons, n.o.s., 3, III

RID

UN-No: UN2319
Proper Shipping Name: Terpene hydrocarbons, n.o.s.
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Description: UN2319, Terpene hydrocarbons, n.o.s., 3, III

ICAO

UN-No: UN2319
Proper Shipping Name: Terpene hydrocarbons, n.o.s.
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Description: UN2319, Terpene hydrocarbons, n.o.s., 3, III

IATA

UN-No: UN2319
Proper Shipping Name: Terpene hydrocarbons, n.o.s.
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
ERG Code: 3L
Special Provisions No information available
Description: UN2319, Terpene hydrocarbons, n.o.s., 3, III

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Myrcene	123-35-3	PresentACTIVE	Present KE-24386	Present	Present (2)-2358	Present	Present	Present 204-622-5

U.S. Regulations


Myrcene

FDA - Direct Food Additives 21 CFR 172.515

FDA - 21 CFR - Total Food Additives 172.515

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

 **WARNING:** This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:

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Myrcene	123-35-3	carcinogen	Not Listed	Not Listed	Not Listed
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CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Myrcene	123-35-3	None	None	None	None	None

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Myrcene	123-35-3	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information: The WHMIS 2015 classification of this product has not been validated or reviewed yet.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

Components	WHMIS Ingredient Disclosure List -
Myrcene	0.1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Myrcene	123-35-3	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Myrcene	123-35-3	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Myrcene	123-35-3	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Myrcene	123-35-3	No information for EU GHS-SV-CLP(1272/2008). However EFFA - Code of Practice 2012 - SV states the following: Flammable liquids - Category 3: H226 Flammable liquid and vapor; Skin corrosion/irritation - Category 2: H315 Causes skin irritation; Serious Eye Damage/Eye Irritation - Category 2A; H319 Causes serious eye irritation; Aspiration Hazard - Category 1; H304 May be fatal if swallowed an enters

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EU - CLP (1272/2008)

R-phrase(s)

R10 - Flammable.

R38 - Irritating to skin.

R65 - Harmful: may cause lung damage if swallowed.

S -phrase(s)

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Myrcene	123-35-3		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Flammable

Xn - Harmful.

Xi - Irritant.

Xn

**16. OTHER INFORMATION**

Preparation Date: 08/30/2018
Revision Date: 08/30/2018
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) 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 SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. 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 SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet