

Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 1 of 10

1. Identification

1.1 Product Identifier

Trade Name or Designation Isolate: MYRCENE
Brand True Terpenes
CAS No. 123-35-3

1.2 Recommended Use and Restrictions on Use

This product is intended for use only by adults 21 or older. For lawful use only. This product is concentrated and should not be used undiluted. Not for use with tobacco or nicotine. Avoid contact with the skin, eyes, wood surfaces, and fabrics. Keep out of reach of children and pets. Consumers should determine and conduct their own safety standards and testing. The United States Food and Drug Administration, and Center for Disease Control and Prevention, and multiple state governments are investigating numerous instances of severe respiratory illnesses and deaths associated with the use of vaping products. Symptoms include breathing difficulty, shortness of breath, chest pain, mild to moderate gastrointestinal illness, fever, or fatigue. To date, True Terpenes has not received any evidence to suggest that this product has caused any adverse health consequences. Do not use this product if you are pregnant, nursing or a person with or at risk of serious health conditions including but not limited to: heart disease, high blood pressure, diabetes, respiratory illness, or a person taking medicine for depression or asthma. Discontinue use and consult your doctor if and adverse reaction occurs. This product is not intended to diagnose, treat, cure or prevent any disease. This product has not been evaluated for safe use in e-cigarettes or any vaping application where the product(s) is/are intentionally vaporized and inhaled. Multiple state governments have banned the sale of flavors, including terpenes, in vaping applications. These laws are in flux.

1.3 Company Information

Company True Terpenes
Address 2416 N Hayden Island Dr.
Portland, OR 97217 USA
Telephone (888) 954-8550
Website TrueTerpenes.com

1.4 Emergency Contact

CHEMTREC (USA) 800-424-9300
CHEMTREC (International) 1+ 703-527-3887

2. Hazard(s) Identification

2.1 Classification of the Substance or Mixture

For the full text of the Hazard Statements listed below, see Section 16.

Hazard Class	Category	Hazard Statement
Flammable Liquids	Category 3	H226
Skin Irritation	Category 2	H315
Eye Irritation	Category 2A	H319
Aspiration Hazard	Category 1	H304



Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 2 of 10

2.2 GHS Label Elements

Pictograms



Signal Word

Danger

Hazard Statements

Hazard Number

Hazard Statement

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H304	May be fatal if swallowed and enters airways.

Precautionary Statements

Precautionary Number

Precautionary Statement

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.
P261	Avoid breathing dust/fume/gas/mist/vapour/spray.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
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.
P333 + P313	If skin irritation or rash 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.

2.3 Hazard(s) not Otherwise Classified (HNOC) - none.



Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 3 of 10

3. Composition / Information on Ingredients

3.1 Components of Substance or Mixture

Chemical Name	Formula	Molecular Weight	CAS Number	EC Number
Myrcene	C10H16	136.23 g/mol	123-35-3	204-622-5

Hazardous Components

Component	Classification	Concentration
Myrcene	Flam.liq.3; Asp. Tox. 1; Skin Irrit 2; Eye Irrit 2A; H226, H304, H315, H319	90.00 - 100.00%

4. First-Aid Measures

4.1 General First Aid Information

General Advice Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

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

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

In case of skin contact Wash off with soap and plenty of water. Consult a physician.

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

4.2 Most Important Symptoms / Effects, Acute and Delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any medical attention or special treatment needed

No data available.

5. Fire-Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media

Dry powder Dry sand

Unsuitable extinguishing media

Do NOT use water jet.

5.2 Specific Hazards Arising from the Substance or Mixture

Carbon oxides

5.3 Special Protective Equipment for Firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further Information

Use water spray to cool unopened containers.



Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 4 of 10

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Cleanup and Containment Methods and Materials

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).

6.4 Reference to Other Sections

For disposal see section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling and Storage Conditions

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. For precautions see section 2.2. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store under inert gas. Air sensitive. Recommended storage temperature 2 - 8 °C; Storage class (TRGS 510): 3: Flammable liquids

8. Exposure Controls / Personal Protection

8.1 Control Parameters

Components with workplace control parameters

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

8.2 Exposure Controls

Engineering Controls

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

Eye/Face Protection

Face shield and safety glasses 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.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.4 mm
Break through time: 480 min



Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 5 of 10

Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 480 min

Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Complete suit protecting against chemicals, 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 multi purpose 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.

9. Physical and Chemical Properties

9.1. Basic Physical and Chemical Properties

Appearance	Clear, colorless to pale yellow liquid
Physical State	Liquid
Odor	Sweet, Balsamic
Odor Threshold	Data not available.
pH	Data not available.
Melting Point / Freezing Point	Melting point/range: < -80 °C (< -112 °F) at 1,013 hPa (760 mmHg) - OECD Test Guideline 102
Initial Boiling Point and Boiling Range	167 °C (333 °F) - lit.
Flash Point	44 °C (111 °F) - closed cup
Evaporation Rate	Data not available.
Flammability	Data not available.
Flammability / Explosive Limits	Data not available.
Upper/lower flammability or Exposure Limits	Data not available
Vapor Pressure	9 hPa (7 mmHg) at 20 °C (68 °F)
Vapor Density	4.7 - (Air = 1.0)
Relative Density	0.791 g/mL at 25 °C (77 °F)
Solubility (Water)	0.00109 g/l at 20 °C (68 °F) - OECD Test Guideline 105
Partition Coefficient: n-octanol/water	log Pow: 5.285 at 25 °C (77 °F)



Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 6 of 10

Auto-ignition Temperature	255 °C (491 °F)
Decomposition Temperature	Data not available.
Viscosity	Data not available.
Explosive Properties	Data not available.
Oxidizing Properties	Data not available.
Relative Vapour Density	4.7 - (Air = 1.0)

10. Stability and Reactivity

10.1. Reactivity

Data not available.

10.2. Chemical Stability

Stable under recommended storage conditions.

10.3. Possibility of Hazardous Reactions

Data not available.

10.4. Conditions to Avoid

Heat, flames and sparks.

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. - Carbon oxides
In event of fire: see section 5

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity - Oral Exposure

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

Acute Toxicity - Dermal Exposure

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

Acute Toxicity - Inhalation Exposure

Data not available.

Acute Toxicity - Other Information

Data not available.

Skin Corrosion and Irritation

Skin - Rabbit
Result: Skin Irritation - 24 h

Serious Eye Damage and Irritation

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

Respiratory or Skin Sensitization



Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 7 of 10

In vivo assay - Mouse
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

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive Toxicity

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).

Specific Target Organ Toxicity from Single Exposure

Data not available.

Specific Target Organ Toxicity from Repeated Exposure

Data not available.

Aspiration Hazard

Data not available.

Additional Toxicology Information

Repeated dose toxicity Rate - 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.

12. Ecological Information

12.1. Toxicity

Data not available.



Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 8 of 10

12.2. Persistence and Degradability

Biodegradability aerobic - Exposure time 28 d
Result: 76% - Readily biodegradable
(OECD Test Guideline 301D)

12.3. Bioaccumulative Potential

Data not available.

12.4. Mobility in Soil

Data not available.

12.5. Results of PBT and vPvB assessment

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

12.6. Other Adverse Ecological Effects

Data not available.

13. Disposal Considerations

13.1 Waste Treatment Methods

Product

Contact a licensed professional waste disposal service to dispose of this material. Offer surplus and non-recyclable solutions to a licensed disposal company. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

Contaminated packaging

Dispose of as unused product.

14. Transport Information

14.1 Transportation by Land-Department of Transportation (DOT, United States of America)

UN number: 2319 Class: 3 Packing Group: III
Proper shipping name: Terpene hydrocarbons, n.o.s.
Reportable Quantity (RQ):

Poison Inhalation Hazard: No

14.2 Transportation by Air - International Air Transport Association (IATA)

UN number: 2319 Class: 3 Packing Group: III
Proper shipping name: Terpene hydrocarbons, n.o.s.

14.2 Transportation -International Maritime Dangerous Goods (IMDG)

UN number: 2319 Class: 3 Packing group: III EMS-No: F-E, S-D
Proper shipping name: TERPENE HYDROCARBONS, N.O.S.

Further Information

Data not available.

15. Regulatory Information

15.1 Occupational Safety and Health Administration (OSHA) Hazards

No OSHA hazards.



Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 9 of 10

15.2 Superfund Amendments and Reauthorization Act (SARA) 302 Extremely Hazardous Substances

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

15.3 Superfund Amendments and Reauthorization Act (SARA) 311/312 Hazardous Chemicals

Fire Hazard, Acute Health Hazard

15.4 Superfund Amendments and Reauthorization Act (SARA) 313 Toxic Release Inventory (TRI)

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.

15.5 Massachusetts Right-to-Know Substance List

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

15.6 Pennsylvania Right-to-Know Hazardous Substances

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

15.7 New Jersey Worker and Community Right-to-Know Components

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

15.8 California Proposition 65

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

16. Other Information

16.1. Full Text of Hazard Statements referred to under sections 2 and 3.

Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye Irritation
Skin Irrit.	Skin Irritant
Flam. liq.	Flammable liquid
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and enters airways.
H226	Flammable liquid and vapour.

16.2. Miscellaneous Hazard Classes

Canadian Carcinogenicity Hazard Class	Not Available.
Physical Hazards Not Otherwise Classified (PHNOC)	Not Available.
Health Hazards Not Otherwise Classified (HHNOC)	Not Available.
Biohazardous Infectious Materials Hazard Class	Not Available.

16.3. National Fire Protection Association (NFPA) Rating

Health Hazard	2
Fire Hazard	2
Reactivity Hazard	0



Safety Data Sheet

MYRCENE



Revision Date: 10/28/2019

Page 10 of 10

16.4. HMIS Rating

Health	2
Chronic Health Hazard	
Flammability	2
Physical Hazard	0

16.5 Document Revision

Issue Date 11/01/2018

Revision Date 10/28/2019

Version # 02

Disclaimer

True Terpenes cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for use, handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on knowledge and experience currently available. To date, True Terpenes has not received any evidence to suggest that this product has caused any adverse health consequences. The above information relates only to this product and not to its use in combination with any other material or any particular process, and is designed only as guidance for the handling, use, processing, storage, transportation, and disposal. It should not be considered as a guarantee or quality specification. This product has not been evaluated for safe use in e-cigarettes or any vaping application where the product(s) is/are intentionally vaporized and inhaled. True Terpenes has performed no testing on these products in e-cig/vaping applications. It is the sole responsibility of the individual(s) purchasing this product to assess its safety in the final application. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the handling, use, processing, storage, transportation, and disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of True Terpenes' knowledge-based upon current information as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own uses, processes, and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.

Revision Information

This document has undergone significant changes and should be reviewed in its entirety.

