

# Safety Data Sheet

## OCIMENE



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### 1. Identification

#### 1.1 Product Identifier

**Trade Name or Designation** Isolate: OCIMENE  
**Brand** True Terpenes  
**CAS No.** 13877-91-3

#### 1.2 Recommended Use and Restrictions on Use

This product is intended for use only by adults 21 or older. This product is not to be used with tobacco or nicotine products. Consumers should determine and conduct their own safety standards and testing. Avoid contact with the skin, eyes, wood surfaces and fabrics. Keep out of the reach of children and pets. Do not use 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 or a person taking medicine for depression or asthma. Smoking and vaping may cause health problems. Discontinue use and consult your doctor if and adverse reaction occurs. This is not a smoking cessation product. 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.

#### 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

#### 2.2 GHS Label Elements

##### Pictograms



##### Signal Word

Warning



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### Hazard Statements

**Hazard Number**

H226

**Hazard Statement**

Flammable liquid and vapour.

### Precautionary Statements

**Precautionary Number**

P210

**Precautionary Statement**

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.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

P303 + P361 + P353

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P370 + P378

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P403 + P235

Store in a well-ventilated place. Keep cool.

P501

Dispose of contents/ container to an approved waste disposal plant.

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

## 3. Composition / Information on Ingredients

### 3.1 Components of Substance or Mixture

Chemical Name	Formula	Molecular Weight	CAS Number	EC Number
Ocimene	C10H16	136.23 g/mol	13877-91-3	237-641-2

### Hazardous Components

**Component**

Ocimene

**Classification**

Flam.liq.3; H226

**Concentration**

90.00 - 100.00%

## 4. First-Aid Measures

### 4.1 General First Aid Information

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

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

**In case of eye contact** Flush eyes with water as a precaution.

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



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### contact

**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

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

#### Unsuitable Extinguishing media

Data not available.

### 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.

## 6. Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid breathing vapours, mist or gas. Remove all sources of ignition. 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. Discharge into the environment must be avoided.

### 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



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### 7.1. Precautions for Safe Handling and Storage Conditions

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.

Store in cool place. 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.

## 8. Exposure Controls / Personal Protection

### 8.1 Control Parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 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.

#### 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 multi purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Aldrich - 147524 Page 5 of 9 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

Green, Woody, Citrus

#### Odor Threshold

Data not available.

#### pH

Data not available.

#### Melting Point / Freezing Point

Data not available.

#### Initial Boiling Point and Boiling Range

65 - 66 °C (149 - 151 °F) at 17 hPa (13 mmHg)



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<b>Flash Point</b>	38 °C (100 °F) - closed cup
<b>Evaporation Rate</b>	Data not available.
<b>Flammability</b>	Data not available.
<b>Flammability / Explosive Limits</b>	Data not available.
<b>Vapor Pressure</b>	Data not available.
<b>Vapor Density</b>	Data not available.
<b>Relative Density</b>	0.818 g/cm <sup>3</sup> at 20 °C (68 °F)
<b>Solubility (Water)</b>	Data not available.
<b>Partition Coefficient</b>	Data not available.
<b>Auto-ignition Temperature</b>	Data not available.
<b>Decomposition Temperature</b>	Data not available.
<b>Viscosity</b>	Data not available.
<b>Explosive Properties</b>	Data not available.
<b>Oxidizing Properties</b>	Data not available.
<b>Surface Tension</b>	Data not available.

## 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

Data not available.

### 10.6. Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. - Carbon oxides  
Other decomposition products - No data available In the event of fire: see section 5

## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

#### Acute Toxicity - Oral Exposure

Data not available.

#### Acute Toxicity - Dermal Exposure

Data not available.

#### Acute Toxicity - Inhalation Exposure



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Data not available.

### Acute Toxicity - Other Information

Data not available.

### Skin Corrosion and Irritation

Data not available.

### Serious Eye Damage and Irritation

Data not available.

### Respiratory or Skin Sensitization

Data not available.

### Germ Cell Mutagenicity

Data not available.

### 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 identified as a carcinogen or potential carcinogen by OSHA.

### Reproductive Toxicity

Data not available.

### 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

RTECS: Not available

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.

### 12.2. Persistence and Degradability

Data not available.

### 12.3. Bioaccumulative Potential



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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

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

#### 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.  
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.

### 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

### 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



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

### 15.6 Pennsylvania Right-to-Know Hazardous Substances

3,7-Dimethylocta-1,3,6-triene CAS-No. 13877-91-3

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

3,7-Dimethylocta-1,3,6-triene CAS-No. 13877-91-3

### 15.8 California Proposition 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. Other Information

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

Flam. liq.	Flammable liquids
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	0
Fire Hazard	2
Reactivity Hazard	0

### 16.4. HMIS Rating

Health	0
Chronic Health Hazard	
Flammability	2
Physical Hazard	0

### 16.5 Document Revision

Issue Date	11/01/2018
Revision Date	09/11/2019
Version #	01

**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 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 the best knowledge and experience currently available. 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





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guidance for the safe handling, use, processing, storage, transportation, and disposal and 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 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 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 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.

