



# Clove Leaf Essential Oil

Safety Data Sheet

## SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Name:** Clove Leaf Essential Oil  
**Product Code:** 302-506X
- 1.2 Intended Use:** Compound used in customer substance/mixture/product.
- 1.3 Supplier:** Majestic Mountain Sage Inc  
2490 S 1350 W  
Nibley, 84321 - United States of America  
T 435.755.0863 - F 435.755.2108  
[www.TheSage.com](http://www.TheSage.com)
- 1.4 Emergency Telephone Number**  
No additional information available

## SECTION 2: Hazards Identification

### 2.1 Classification of the Substance or Mixture

Serious eye damage/eye irritation	Category 2A
Flammable liquids	Category 4

### 2.2 GHS Label Elements, Including Precautionary Statements

#### Emergency Overview

**Signal Word:** Warning

#### Hazard Statements:

Causes serious eye irritation  
Combustible liquid



Appearance: clear      Physical State: liquid      Odor: clove

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists get medical advice/attention.

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

## 2.3 Precautionary Statements

**Storage:** Store in a well-ventilated place. Keep cool.

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

## 2.4 Hazards Not Otherwise Classified (HNOC) and Other Information

May be harmful if swallowed

Toxic to aquatic life

### SECTION 3: Composition/Information on Ingredients

#### 3.1 Substances

Chemical Name	Cas No	Weight %
Eugenol	97-53-0	50-90%

### SECTION 4: First Aid Measures

#### 4.1 Description of First Aid Measures

- General Advice:** If symptoms persist, call a physician.
- Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. After initial flushing remove any contact lenses and continue flushing for at least 15 minutes with eyes wide open. If symptoms persist, call a physician.
- Skin Contact:** Immediately wash off with soap and water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
- Ingestion:** Do NOT induce vomiting. Rinse mouth with water and afterwards, drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
- Inhalation:** Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

**Self Protection of the First Aider:** Use personal protective equipment.

#### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

**Main Symptoms:** Hives

#### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to Physicians:** Treat symptomatically. May cause sensitization in susceptible people.

### SECTION 5: Firefighting Measures

#### 5.1 Extinguishing Media

**Suitable:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable:** Decomposition by contact with water may generate vapors which can be ignited by heat or open flame.

#### 5.2 Special Hazards Arising from the Substance or Mixture

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization in susceptible persons.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** None

**Sensitivity to Static Discharge:** Yes

#### 5.3 Protective Equipment and Precautions for Firefighters

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

### SECTION 6: Accidental Release Measures

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

Use personal protective equipment. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from upwind of spill/leak.

## 6.2 Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

## 6.3 Methods and Material for Containment and Cleaning Up

**Containment:** Prevent further leakage or spillage if safe to do so.

**Cleaning Up:** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.

## SECTION 7: Handling and Storage

### 7.1 Precautions for Safe Handling

Ensure adequate ventilation. Use personal protective equipment as required. Use only in area provided with appropriate exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

### 7.2 Conditions for Safe Storage, Including Any Incompatibilities

Keep out of reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

**Incompatible Products:** None known based on information supplied.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

**Exposure Limits:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulating bodies.

### 8.2 Exposure Controls

**Engineering Controls:** Shower, Eyewash stations, Ventilation systems.

### 8.3 Personal Protective Equipment

**Eye/Face Protection:** Tightly fitting safety goggles and face-shield.

**Skin/Body Protection:** Chemical resistant apron.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection must be worn. Positive-pressure supplied air respirator may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations:** When using, do not eat, drink or smoke. Wash contaminated clothing before reuse. Provide regular cleaning of equipment, work area, and clothing.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Clear
<b>Odor:</b>	Clove	<b>Color:</b>	Colorless to pale yellow

<u>Property</u>	<u>Values</u>
<b>pH:</b>	No information available
<b>Melting/Freezing Point (FCC Method):</b>	No information available
<b>Boiling Point/Boiling Range (FCC Method):</b>	No information available
<b>Flash Point (Closed Cup):</b>	93°C/200°F
<b>Evaporation Rate:</b>	No information available
<b>Flammability (solid, gas):</b>	No information available
<b>Flammability Limits in Air:</b>	No information available
<b>Upper Flammability Limit:</b>	No information available
<b>Lower Flammability Limit:</b>	No information available
<b>Vapor Pressure mm Hg 20°C:</b>	No information available
<b>Vapor Density:</b>	No information available
<b>Specific Gravity @ 25°C (FCC Method):</b>	1.036 - 1.046
<b>Specific Gravity @ 20°C (FCC Method):</b>	1.039 - 1.049
<b>Refractive Index (FCC Method):</b>	1.531 - 1.535
<b>Water Solubility:</b>	Practically insoluble
<b>Partition Coefficient n-octanol/water:</b>	No information available
<b>Autoignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Viscosity, Dynamic:</b>	No information available

<b>Viscosity, Kinematic:</b>	No information available
<b>Explosive Properties:</b>	No information available
<b>Oxidizing Properties:</b>	No information available

## 9.2 Other Information

<b>Softening Point:</b>	No information available
<b>Molecular Weight:</b>	No information available
<b>VOC Content (%):</b>	No information available
<b>Density VALUE:</b>	No information available
<b>Bulk Density VALUE:</b>	No information available

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

No information available

### 10.2 Chemical Stability

Stable under recommended storage conditions.

### 10.3 Possibility of Hazardous Reactions

None under normal processing.

### 10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

### 10.5 Incompatible Materials

None known based on information supplied.

### 10.6 Hazardous Decomposition Products

Non known based on information supplied.

## SECTION 11: Toxicological Information

### 11.1 Information on Likely Routes of Exposure

<b>Product Information:</b>	Product does not present an acute toxicity hazard based on known information.
-----------------------------	---

<b>Inhalation:</b>	There is no data available for this product
--------------------	---

<b>Eye Contact:</b>	There is no data available for this product
---------------------	---

**Skin Contact:** There is no data available for this product

**Ingestion:** There is no data available for this product

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Eugenol 97-53-0	1930 mg/kg (Rat)	-	-

## 11.2 Information on Toxicological Effects

**Symptoms:** No information available

## 11.3 Delayed and Immediate Effects as Well as Chronic Effects from Short an Long-term Exposure

**Sensitization** No information available

**Germ Cell Mutagenicity** No information available

**Carcinogenicity** This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

Chemical Name	ACHGIH	IARC	NTP	OSHA
Eugenol 97-53-0		Group 3		

**IARC (International Agency for Research on Cancer)**

Group 3 - Not classifiable as carcinogenic to humans.

**Reproductive Toxicity:** No information available

**Specific Target Organ Systemic Toxicity (Single Exposure):** No information available

**Specific Target Organ Systemic Toxicity (Repeated Exposure):** No information available

**Chronic Toxicity:** Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

**Aspiration Hazard:** No information available

#### 11.4 Numerical Measure of Toxicity - Product Information

The following values are calculated based on Chapter 3.1 of the GHS document: mg/kg

### SECTION 12: Ecological Information

#### 12.1 Ecotoxicity

15% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

#### 12.2 Persistence and Degradability

No information available

#### 12.3 Bioaccumulative Potential

No information available

#### 12.4 Other Adverse Effects

No information available

### SECTION 13: Disposal Considerations

#### 13.1 Waste Treatment Methods

**Waste Disposal Methods:** It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations

**Contaminated Packaging:** Do not reuse container.

### SECTION 14: Transport Information

#### 14.1 Transport Information

**DOT/ADR** Not regulated (If shipped in NON BULK packaging by ground transport)

**IMDG/IMO** Not regulated

**ICAO/IATA** Not regulated



<b>SECTION 15: Regulatory Information</b>
---

### 15.1 International Inventories

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies

#### **Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Phillipines Inventory of Chemicals and Chemical Substances

**ENCS** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

### 15.2 U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific requirements at the local, regional, or state level pertaining to released of this material.

## **15.3 U.S. State Regulations**

### **California Proposition 65**

This product is not, the best of our knowledge, subject to the labeling requirements under California Proposition 65.

### **U.S. State Right-to-Know Regulations**

No information available

### **U.S. EPA Label Information**

No information available

<b>SECTION 16: Other Information</b>
--------------------------------------

## **16.1 NFPA Rating**

Health Hazard:	2
Flammability:	2
Instability:	0
Physical and Chemical Hazards:	*

## **16.2 HMIS Rating**

Health Hazard:	2
Flammability:	2
Physical Hazard:	0
Personal Protection:	B

### **WARNING/DISCLAIMER:**

This ingredient(s) has not been tested, nor has it been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes or other similar devices (collectively "E-Cigarettes"). In supplying this ingredient, Majestic Mountain Sage instructs, and by receiving the ingredient recipient confirms, that this ingredient will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof.

**Notes:**

This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment holds no responsibility. This document is not intended for quality assurance purposes.