

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

- 1.1 Product Name:** Bourbon Geranium Essential Oil  
**Product Code:** 302-104X
- 1.2 Intended Use:** Compound used in customer substance/mixture/product.
- 1.3 Supplier:** Majestic Mountain Sage Inc  
2490 S 1350 W  
Nibley, Utah 84321 - United States of America  
T 435.755.0863 - F 435.755.2108  
www.TheSage.com
- 1.4 Emergency Telephone Number**  
No additional information available

**SECTION 2: Hazards Identification**

**2.1 Classification of the Substance or Mixture**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

Flammable Liquids, Category 4	H227: Combustible liquid.
Skin Corrosion/Irritation, Category 2	H315: Causes skin irritation.
Skin Sensitization, Category 1B	H317: May cause an allergic skin reaction.
Eye Damage/Irritation, Category 1	H318: Causes serious eye damage.

**2.2 GHS Label Elements, Including Precautionary Statements**

**Hazard Pictograms**



**Signal Word:** Danger.

**Hazard Statements**

H227 Combustible liquid.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.

**Precautionary Statements - Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash face, hands and any exposed skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

P321 Specific treatment (see supplement first aid instructions on this label).  
P370+P378 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Precautionary Statements - Storage**

P403+P235 Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

**2.3 Hazards Not Otherwise Classified (HNOC) and Other Information**

**Unknown Acute Toxicity:** 19.7% of the mixture consists of ingredient(s) of unknown toxicity.

H303 May be harmful if swallowed.  
H313 May be harmful in contact with skin.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

**SECTION 3: Composition/Information on Ingredients****3.1 Mixtures**

<b>Chemical Name</b>	<b>CAS No.</b>	<b>Weight %</b>	<b>GHS Classification</b>	<b>FEMA Numbers</b>
6-Octen-1-ol,3,7-dimethyl-, (S)-	7540-51-4	>=25-100	H303; H313; H315; H317; H319; H401	-
Geraniol	106-24-1	15-<20%	H303; H315; H317; H318; H401	2507
d,l-Isomenthone	491-07-6	10-<15%	H227; H303; H316; H317; H402; H412	3460
Linalool	78-70-6	10-<15%	H227; H303; H315; H317; H319; H402	2635
.beta.-Pinene	127-91-3	1-<5%	H226; H304; H315; H317; H400; H410	2903
2-Isopropyl-5-methylcyclohexanone	89-80-5	1-<5%	H227; H303; H315; H317; H402; H412	2667
Citral	5392-40-5	1-<5%	H313; H315; H317; H319; H401	2303
D-Limonene	5989-27-5	0.1-1%	H226; H304; H315; H317; H400; H410	2633
Bicyclo[3.1.1]hept-2-ene,2,6,6-trimethyl-,(1S)-	7785-26-4	0.1-1%	H226; H302; H304; H315; H317; H400; H410	-

**SECTION 4: First Aid Measures****4.1 Description of First Aid Measures**

**General Advice:** If symptoms persist, call a physician.

**Eye Contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.

**Skin Contact:** Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Ingestion:** Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. Do not induce vomiting.

**Inhalation:** Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

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

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

**Main Symptoms:** No information available.

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

**Note to Physicians:** Treat symptomatically. May cause sensitization of susceptible persons.

### SECTION 5: Firefighting Measures

#### 5.1 Extinguishing Media

**Suitable:** Use dry chemical, Carbon Dioxide (CO<sup>2</sup>), alcohol-resistant foam.

**Unsuitable:** Do not use solid water stream as it may scatter and spread fire.

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

Keep product and empty container from heat and sources of ignition. Risk of ignition. 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 by inhalation and skin contact.

### **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 the skin and the eyes. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

### **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:** Dam up. Use personal protective equipment. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled container. Take precautionary measure against static discharge.

## **SECTION 7: Handling and Storage**

### **7.1 Precautions for Safe Handling**

Wear personal protective equipment/face protection. Ensure adequate ventilation. Use local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources/ No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition or organic vapors).

## 7.2 Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Keep out of reach of children. Keep away from heat and sources of ignition. Keep container tightly closed in a cool, well-ventilated place. Keep in properly labeled container.

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

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

**Exposure Guidelines:** No information available.

### 8.2 Exposure Controls

**Engineering Controls:** Shower, eyewash stations, and ventilation systems.

### 8.3 Personal Protective Equipment

**Eye/Face Protection:** Tightly fitting safety goggles.

**Skin and 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 respirators 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 @ 20°C:</b>	Liquid
<b>Appearance:</b>	Clear Amber - Yellow - Green
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	No information available
<b>pH:</b>	No information available
<b>Melting Point/Range:</b>	No information available
<b>Freezing Point:</b>	No information available
<b>Initial Boiling Point:</b>	No information available
<b>Boiling Point/Range:</b>	410°F / 210°C
<b>Flash Point:</b>	165°F / 75°C
<b>Evaporation Rate:</b>	No information available
<b>Flammable Properties:</b>	Combustible liquid
<b>Flammability Limits in Air:</b>	No information available
<b>Explosive Properties:</b>	No information available
<b>Oxidizing Properties:</b>	No information available
<b>Vapor Pressure @ 20°C:</b>	No information available
<b>Vapor Density:</b>	No information available
<b>Specific Gravity:</b>	0.8820
<b>Water Solubility:</b>	Insoluble in water
<b>Solubility:</b>	No information available
<b>Partition Coefficient:</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>Molecular Weight:</b>	No information available
<b>VOC Content:</b>	No information available

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Exothermic reaction.

### 10.2 Chemical Stability

Stable under recommended storage conditions.

### 10.3 Possibility of Hazardous Reactions

None under normal processing.

#### 10.4 Conditions to Avoid

Heat, flames, and sparks.

#### 10.5 Incompatible Materials

None known based on information supplied.

#### 10.6 Hazardous Decomposition Products

None known based on information supplied.

### SECTION 11: Toxicological Information

#### 11.1 Information on Likely Routes of Exposure

**Product Information:** Product does not present an acute toxicity hazard based on known information.

**Inhalation:** There is no data available for this product.

**Eye Contact:** 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.

#### Component Information:

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Geraniol 106-24-1	4200 mg/kg	> 5 g/kg	-
d,l-Isomenthone 491-07-6	2500 mg/kg	-	-
Linalool 78-70-6	2780 mg/kg	2000 mg/kg	-
.beta.-Pinene 127-91-3	4700 mg/kg	-	-
2-Isopropyl-5-methylcyclohexanone 89-80-5	2500 mg/kg	5 g/kg	-
Citral 5392-40-5	4950 mg/kg	2250 mg/kg	-
D-Limonene 5989-27-5	5200 mg/kg	> 5 g/kg	-
Bicyclo[3,1,1]hept-2-ene,2,6,6- trimethyl-, (1S)- 7785-26-4	3700 mg/kg	-	-

#### 11.2 Information on Toxicological Effects

**Symptoms:** No information available.



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

<b>Sensitization:</b>	No information available.
<b>Mutagenic Effects:</b>	No information available.
<b>Carcinogenicity:</b>	There are no known carcinogenic chemicals in this product.
<b>Reproductive Toxicity: Specific Target Organ Systemic Toxicity (Single Exposure):</b>	No information available.
<b>Specific Target Organ Systemic Toxicity (Repeated Exposure):</b>	No information available.
<b>Chronic Toxicity:</b>	Repeated exposure may cause allergic reactions in very susceptible persons. Avoid repeated exposure.
<b>Aspiration Hazard</b>	No information available.

### 11.4 Numerical Measures of Toxicity - Product Information

**Acute Toxicity:** 19.7% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated bases on Chapter 3.1 of the GHS document.

**ATEmix (oral):** 3324 mg/kg  
**ATEmix (dermal):** 4140 mg/kg

## SECTION 12: Ecological Information

### 12.1 Ecotoxicity

19.7% 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.

Chemical Name	log Pow
Linalool 78-70-6	2.84 - 3.1
Citral 5392-40-5	2.76

### 12.4 Other Adverse Effects

No information available.

## SECTION 13: Disposal Considerations

### 13.1 Waste Treatment Methods

**Waste Disposal Methods:** Dispose of in accordance with local regulations.

**Contaminated Packaging:** Do not reuse empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
D-Limonene 5989-27-5	Toxic

## SECTION 14: Transport Information

### 14.1 Transport Information

#### DOT - BULK PACKAGING

**NA Number:** 1993  
**Proper Shipping Name:** Combustible Liquid, n.o.s. (d,l-Isomenthone)  
**Hazard Class:** 3  
**Packing Group:** III  
**Reportable Quantity (RQ):** Please refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities.

**DOT - NON BULK PACKAGING**

**NA Number:** 1993  
**Proper Shipping Name:** Combustible Liquid, n.o.s. (d,l-Isomenthone)  
**Hazard Class:** 3  
**Packing Group:** III  
**Reportable Quantity (RQ):** Please refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities.

**IMDG/IMO**

**UN Number:** 3082  
**Proper Shipping Name:** Environmentally hazardous substances, liquid, n.o.s. (beta-Pinene)  
**Hazard Classification:** 9  
**Packaging Group:** III  
**Marine Pollutant:** This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO.  
**Reportable Quantity (RQ):** Please refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities.

**MEX (SCT)**

**UN Number:** 3082  
**Proper Shipping Name:** Environmentally hazardous substances, liquid, n.o.s. (beta-Pinene)  
**Hazard Classification:** 9  
**Packaging Group:** III  
**Reportable Quantity (RQ):** Please refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities.

**ICAO/IATA**

**UN Number:** 3082  
**Proper Shipping Name:** Environmentally hazardous substances, liquid, n.o.s. (beta-Pinene)  
**Hazard Classification:** 9  
**Packaging Group:** III  
**Reportable Quantity (RQ):** Please refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities.

**TDG**

**UN Number:** 3082  
**Proper Shipping Name:** Environmentally hazardous substances, liquid, n.o.s. (beta-Pinene)  
**Hazard Classification:** 9  
**Packaging Group:** III  
**Reportable Quantity (RQ):** Please refer to Appendix A to 49CFR 172.101 - List of Hazardous Substances and Reportable Quantities.

**RID**

**UN Number:** 3082  
**Proper Shipping Name:** Environmentally hazardous substances, liquid, n.o.s. (beta-Pinene)  
**Hazard Classification:** 9  
**Packaging Group:** III

**ADR/RID**

**UN Number:** 3082  
**Proper Shipping Name:** Environmentally hazardous substances, liquid, n.o.s. (beta-Pinene)  
**Hazard Classification:** 9  
**Packaging Group:** III

<b>SECTION 15: Regulatory Information</b>
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**15.1 International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Not determined
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substance  
**IECSC** - China Inventory of Existing chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Phillipines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

## 15.2 U.S. Federal Regulation

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical which are subject to the reporting requirements of the ACT and Title 40 of the 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 reporting 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 does not contain any Proposition 65 chemicals.

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

No information available.

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

No information available.

<b>SECTION 16: Other Information</b>
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**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:	X

**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.