

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

- 1.1 Product Name:** Energy Fragrance Oil  
**Product Code:** 303-191X
- 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](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**

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**Classification According GHS-US**

Flammable Liquids, Category 3  
Skin Corrosion/Irritation, Category 2  
Skin Sensitization, Category 1

Carcinogenicity, Category 2

H226: Flammable liquid and vapor.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H351: Suspected of causing cancer.

**2.2 Label Elements**

**Label According to GHS-US**

**Hazard Pictograms**



**Signal Word:** Warning.

**Hazard Statements**

H226	Flammable liquid and vapor.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.

**Precautionary Statements**

**Prevention:**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 charge.
P261	Avoid breathing mist or vapor.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.

**Response:**

P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313	If exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see supplemental first aid instruction on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use media other than water to extinguish.

**Storage:**

P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

**Disposal:**  
P501

Dispose of contents/container in accordance with local/regional/national/ international regulations.

### 2.3 Other Hazards

No additional information available.

## SECTION 3: Composition/Information on Ingredients

### 3.1 Mixtures

CAS # Ingredient	%	GHS-US Classification
120-51-4	30-70%	H302
<i>Benzyl Benzoate</i>		
5989-27-5	10-30%	H226; H304; H315; H317
<i>d-Limonene</i>		
5392-40-5	1-5%	H315; H317; H319
<i>Citral EOA</i>		
99-85-4	1-5%	H226; H304
<i>p-Mentha-1,4-diene</i>		
112-31-2	1-5%	H227; H319
<i>Aldehyde C 10</i>		
123-35-3	0.5-1%	H226; H304; H315; H319; H351
<i>Myrcene</i>		

Full text of hazard classed and H-Statements are in Section 16.

## SECTION 4: First Aid Measures

### 4.1 Description of First Aid Measures

**General Information:** If exposed or concerned: Get medical advice/attention.  
Call a poison center/doctor/physician if you feel unwell.  
Get medical advice/attention if you feel unwell.

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin Contact:** Wash skin with soap and water. Immediately remove all contaminated clothing and wash before reuse. Get medical advice/attention if skin irritation or rash occurs.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if irritation occurs.

**Ingestion:** Rinse mouth. Get medical advice/attention if you feel unwell.

#### **4.2 Most Important Symptoms/Effects, Acute and Delayed**

Irritation. May cause an allergic skin reaction.

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

Treat symptomatically.

### **SECTION 5: Firefighting Measures**

#### **5.1 Extinguishing Media**

**Suitable:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable:** Do not use water jet as an extinguisher, as this will spread the fire.

#### **5.2 Specific Hazards Arising from the Chemical**

During fire, gases hazardous to health may be formed.

#### **5.3 Advice for Firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental Release Measures

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

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

### 6.2 Methods and Materials for Containment and Cleaning Up

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see Section 13 of the SDS.

### 6.3 Environmental Precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

## SECTION 7: Handling and Storage

### 7.1 Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

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

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Remark
Citral EOA 5392-40-5	TWA	5 ppm (IFV - Inhalable fraction and vapor)	TLV Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)

#### Biological Limit Values:

No biological exposure limits noted for the ingredient(s).

#### Appropriate Engineering Controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

### 8.2 Individual Protection Measures, Such as Personal Protective Equipment

**Eye/Face Protection:** Safety glasses.

**Skin/Hand Protection:** Wear appropriate chemical resistant gloves and clothing. Use of an impervious apron is recommended.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal Hazards:** Wear appropriate thermal protective clothing, when necessary.

**Hygiene Measures:** Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Appearance:</b>	Colorless to Light Yellow
<b>Physical State:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Colorless to Light Yellow
<b>Odor:</b>	Characteristic of name
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting/Freezing Point:</b>	No data available
<b>Initial Boil Point/Range:</b>	No data available
<b>Flash Point:</b>	138.2°F (59°C)
<b>Evaporation Rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Vapor Pressure:</b>	No data available
<b>Vapor Pressure Temperature:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Solubility(ies)</b>	
<b>Solubility (Water):</b>	NO
<b>Solubility (Other):</b>	Not available
<b>Auto-Ignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available
<b>Density:</b>	8.345 lbs/gal estimated

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Flammable liquid and vapor.

## 10.2 Chemical Stability

Material is stable under normal conditions.

## 10.3 Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

## 10.4 Conditions to Avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

## 10.5 Incompatible Materials

No additional information available.

## 10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological Information

### 11.1 Information on Likely Routes of Exposure

<b>Inhalation:</b>	Not classified.
<b>Skin Contact:</b>	Not classified.
<b>Eye Contact:</b>	Not classified.
<b>Ingestion:</b>	Not classified.

### 11.2 Information on Toxicological Effects

Components	Species	Test Results
D-Limonene 5989-27-5	Rat  Rabbit	LD50 Oral: >2000 mg/kg body weight (OECD 423: Acute Oral Toxicity - Acute Toxic Class Method, Rat, Female, Read-across, Oral)  LD50 Dermal: >5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, weight of evidence, Dermal)
p-Mentha-1,4-diene 99-85-4	-	ATE US (Oral): 3850 mg/kg body weight
Aldehyde C 10 112-31-2	Rat Rabbit - -	LD50 Oral: 3096 mg/kg (Rat, Oral) LD50 Dermal: 4183 mg/kg (Rabbit, Dermal) ATE US (Oral): 3096 mg/kg body weight ATE US (Dermal): 4183 mg/kg body weight



Components	Species	Test Results
Benzyl Benzoate 120-51-4	Rat	LD50 Oral: >2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 14 day(s))
	Rabbit	LD50 Dermal: > 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental value, Dermal)
	-	ATE US (Oral): 1500 mg/kg body weight
	-	ATE US (Dermal): 4000 mg/kg body weight
Citral EOA 5392-40-5	-	ATE US (Dermal): 2250 mg/kg body weight

<b>Skin Corrosion/Irritation:</b>	Causes skin irritation.
<b>Serious Eye Damage/Irritation:</b>	Not classified.
<b>Respiratory Sensitization:</b>	Not classified.
<b>Skin Sensitization:</b>	May cause an allergic skin reaction.
<b>Germ Cell Mutagenicity:</b>	Not classified.
<b>Carcinogenicity:</b>	Suspected of causing cancer.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Component	Classification
D-Limonene 5989-27-5	3 - Not classifiable
Myrcene 123-35-3	2B - Possibly carcinogenic to humans.

<b>Reproductive Toxicity:</b>	Not classified.
<b>Specific Target Organ Toxicity Single Exposure:</b>	Not classified.
<b>Specific Target Organ Toxicity Repeated Exposure:</b>	Not classified.
<b>Aspiration Hazard:</b>	Not classified.
<b>Symptom/Effects After Skin Contact:</b>	Irritation. May cause an allergic skin reaction

## SECTION 12: Ecological Information

### 12.1 Ecotoxicity

This product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>D-Limonene (5989-27-5)</b>	
LC50 fish 1	720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh Water, Experimental value, Lethal)
EC50 Daphnia 1	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilization Test, 48 h, Daphnia magna, Static system, Fresh Water, Experimental value, GLP)

<b>Benzyl Benzoate (120-51-4)</b>	
LC50 fish 1	2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilization Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

### 12.2 Persistence and Degradability

<b>D-Limonene (5989-27-5)</b>	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O <sub>2</sub> /g substance

<b>Aldehyde C 10 (112-31-2)</b>	
Persistence and degradability	Not readily biodegradable in water.
BOD (% of ThOD)	0.022 (5 day(s), Literature study)

<b>Benzyl Benzoate (120-51-4)</b>	
Persistence and degradability	Readily biodegradable in water.

### 12.3 Bioaccumulative Potential

<b>D-Limonene (5989-27-5)</b>	
BCF fish 1	864.8 - 1022 (Pisces, QSAR, Fresh weight)
Log Pow	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanal/water), HPLC method, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation ( $4 \geq \text{Log Kow} \leq 5$ ).

<b>Aldehyde C 10 (112-31-2)</b>	
BCF other aquatic organisms 1	420 (QSAR)
Log Pow	3.76 (Estimated value)
Bioaccumulative potential	Bioaccumable.

<b>Benzyl Benzoate (120-51-4)</b>	
BCF fish 1	2.286 (BCFBFAF v3.00, Pisces, QSAR)
Log Pow	3.97 (Experimental value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{Log Kow} < 4$ ).

### 12.4 Mobility in Soil

<b>D-Limonene (5989-27-5)</b>	
Ecology - soil	Absorbs into the soil.

<b>Aldehyde C 10 (112-31-2)</b>	
Surface tension	0.028 N/m

<b>Benzyl Benzoate (120-51-4)</b>	
Surface tension	0.027 N/m (210 °C)
Log Koc	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for mobility in soil.

## 12.5 Other Adverse Effects

No additional information available.

## SECTION 13: Disposal Considerations

### 13.1 Waste Treatment Methods

<b>Disposal Instructions:</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national /international regulations.
<b>Local Disposal Regulations:</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous Waste Code:</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company
<b>Residual Waste:</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal Instructions.)
<b>Contaminated Packaging:</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transport Information

### 14.1 Transport Information

#### DOT

<b>Transport Document Description:</b>	UN3082 Environmentally hazardous substances, liquid, n.o.s. (BENZYL BENZOATE; D-LIMONENE), 9, III
<b>UN Number:</b>	UN3082

**Proper Shipping Name:** Environmentally hazardous substances, liquid, n.o.s.  
 BENZYL BENZOATE; D-LIMONENE

**Class:** 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140

**Packing Group:** III - Minor Danger

**Hazard Labels:** 9 - Class 9 (Miscellaneous dangerous materials)



**DOT Packaging Non Bulk (49 CFR 173.xxx):** 203

**DOT Packaging Bulk (49 CFR 173.xxx):** 241

**DOT Symbols:** G - Identifies PSN requiring a technical name.

**DOT Special Provisions (49 CFR 172.102):**

8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.

146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazardous class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.

173 - An appropriate generic entry may be used for this material.

335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit ,must be leak-proof when used a bulk packaging.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50°C (1.1 bar at 122°F), or 130 kPa at 55°C (1.3 bar at 131°F) are authorized, except for UN2672 (also see Special Provision IP8 in table 2 for UN2672).

T4 - 2.65 178.274(d)(2) Normal ..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filing =  $97 / 1 + a$  (tr-tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees Celsius of the liquid during filling.

TP29 - A portable tank having a minimum test pressure of 1.5 bar(150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 time the MAWP.

**Packaging Exceptions**

**(49 CFR 173.xxx):** 155

**Quantity Limitations Passenger**

**Aircraft/Rail (49 CFR 173.27):** No limit

**Quantity Limitations Cargo**

**Aircraft Only (49 CFR 175.75):** No limit.

**Vessel Stowage Location:**

A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

**Emergency Response Guide**

**(ERG) Number:** 171

**Transportation of Dangerous Goods**

Not applicable

**Transport by Sea (IMDG)**

**Transport Document Description:** UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE; D-LIMONENE), 9, III, MARINE POLLUTANT

**UN Number:** 3082

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**Class:** 9 - Miscellaneous dangerous substances and articles

**Packing Group:** III - Substances presenting low danger

**Limited Quantities:** 5 L

**Air Transport (IATA)**

**Transport Document Description:** UN3082 Environmentally hazardous substance, liquid, n.o.s. (BENZYL BENZOATE; D-LIMONENE), 9, III

**UN Number:** 3082

**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s.

**Class:** 9 - Miscellaneous dangerous goods

**Packing Group:** III - Minor Danger

## SECTION 15: Regulatory Information

### 15.1 US Federal Regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2 International Regulations

Canada	
D-Limonene (5989-27-5)	Listed on the Canadian DSL (Domestic Substances List)
p-Mentha-1,4-diene (99-85-4)	Listed on the Canadian DSL (Domestic Substances List)
Myrcene (123-35-3)	Listed on the Canadian DSL (Domestic Substances List)
Aldehyde C 10 (112-31-2)	Listed on the Canadian DSL (Domestic Substances List)
Benzyl Benzoate (120-51-4)	Listed on the Canadian DSL (Domestic Substances List)
Citral EOA (5392-40-5)	Listed on the Canadian DSL (Domestic Substances List)

#### EU Regulations

No additional information available.

#### National Regulations

<b>Myrcene (123-35-3)</b>	Listed on IARC (International Agency for Research on Cancer)
---------------------------	--

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

### 16.1 Full Text of H-Statements

H226	Flammable liquid and vapor.
H227	Combustible liquid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.

**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.