

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

- 1.1 Product Name:** Crocus Fragrance Oil  
**Product Code:** 303-408X
- 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**

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

**Classification According to GHS and (EC) No 1272/2008 (CLP)**

Acute Toxicity Oral, Category 4	H302: Harmful if swallowed.
Acute Toxicity Dermal, Category 5	H313: May be harmful in contact with skin.
Skin Corrosion/Irritation, Category 3	H316: Causes mild skin irritation.
Sensitization, Skin, Category 1A	H317: May cause an allergic skin reaction.
Eye Damage/Irritation, Category 2A	H319: Causes serious eye irritation.
Acute Toxicity Inhalation, Category 5	H333: May be harmful if inhaled.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Aquatic Acute Toxicity, Category 1	H400: Very toxic to aquatic life.
Aquatic Chronic Toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

### Classification OSHA (Provision 1910.1200 of title 29)

Flammability	Class IIIB Combustible Liquid.
Acute Dermal/Eye	11: May cause skin irritation. 16: Causes eye irritation.
Acute Inhalation	19: May cause photo-induced skin irritation. 25: Inhalation at high levels may cause: Tremors, labored breathing, hypothermia, lethargy, ataxia.
Acute Oral	3: May be harmful if swallowed.
Reproductive/Developmental	39: Causes reproductive/developmental toxicity in animals.
Sensitization/Allergic Response	31: May cause allergic skin reaction.
Target Organ Effects	26: Prolonged or repeated ingestion may cause damage to: kidneys, adrenal glands, liver, spleen, bone marrow, stomach, brain, thyroid, tongue, mucous membranes, musculo-skeletal, male reproductive system. 28: Prolonged or repeated dermal exposure may cause damage to: kidneys, liver, bone marrow, skin, testes.
Carcinogenicity	This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following: None [X] ACGIH [ ] IARC [ ] NTP [ ] OSHA [ ]

## 2.2 Label Elements

### Labeling (REGULATION (EC) No 1272/2008)

#### Hazard Pictograms



**Signal Word:** Warning.

#### Hazard Statements

H302	Harmful if swallowed.
H313	May be harmful in contact with skin.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

H333	May be harmful if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

### Precautionary Statements

#### Prevention:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P281	Use personal protective equipment as required.

#### Response:

P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P302+P352	IF ON SKIN: Wash with soap and water.
P304+P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	If exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P391	Collect Spillage.

### 2.3 Other Hazards

No data available

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

**3.1 Mixtures**

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

<b>CAS # Ingredient</b>	<b>EC#</b>	<b>Conc. Range</b>	<b>GHS Class.</b>	<b>OSHA Class.</b>
120-51-4	204-402-9	70-80%	H302; H313; H400; H411	28, 3
<i>Benzyl Benzoate</i>				
24851-98-7	246-495-9	2-5%	H402	
<i>Methylidihydrojasmonate</i>				
1222-05-5	214-946-9	2-5%	H316; H400; H410	11, 15
<i>Hexamethylindanopyran</i>				
140-11-4	205-399-7	1-2%	H303; H316; H401; H412	15, 25, 26, 31, 39
<i>Benzyl acetate</i>				
127-51-5	204-846-3	1-2%	H315; H317; H320; H401; H411	11, 15, 19, 26, 28, 31
<i>a-Isomethyl ionone</i>				
106-22-9	203-375-0	1-2%	H303; H313; H315; H317; H319; H401	11, 15
<i>Citronellol</i>				
60-12-8	200-456-2	1-2%	H302; H313; H316; H319	11, 15, 3
<i>phenethyl alcohol</i>				
118-58-1	204-262-9	1-2%	H303; H317; H320; H401; H412	31
<i>Benzyl Salicylate</i>				
31906-04-4	250-863-4	1-2%	H317; H402	
<i>Hydroxyisohexyl 3-cyclohexene carboxaldehyde</i>				

<b>CAS # Ingredient</b>	<b>EC#</b>	<b>Conc. Range</b>	<b>GHS Class.</b>	<b>OSHA Class.</b>
80-54-6	201-289-8	1-2%	H227; H302; H315; H317; H361; H401; H411	11, 15, 26, 28, 3, 31, 39
<i>Butylphenyl Methylpropional</i>				
32388-55-9	251-020-3	1-2%	H316; H317; H400; H410	16, 19
<i>Acetyl cedrene</i>				
81-14-1	201-328-9	1-2%	H316; H351; H400; H410	11, 15
<i>Musk ketone</i>				
78-70-6	201-134-4	0.1-1.0%	H227; H303; H315; H317; H319; H402	12, 26
<i>Linalool</i>				
107-75-5	203-518-7	0.1-1.0%	H317; H319; H401	11, 15, 31
<i>Hydroxycitronellal</i>				
91-64-5	202-086-7	0.1-1.0%	H302; H317; H402	12, 15, 2, 26, 31, 9
<i>Coumarin</i>				
24720-09-0	246-430-4	0.1-1.0%	H302; H313; H317; H401; H411	12, 15, 26, 3, 31
<i>trans-alpha-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (trans-alpha-Damascone)</i>				
57378-68-4	260-709-8	0.1-1.0%	H302; H315; H317; H318; H400; H410	11, 15, 31
<i>delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one (delta-Damascone)</i>				

See Section 16 for full text of GHS classification codes  
Total Hydrocarbon Content (% w/w) = 0.66

## SECTION 4: First Aid Measures

### 4.1 Description of First Aid Measures

<b>Inhalation:</b>	Remove from exposure site to fresh air and keep at rest. Obtain medical advice.
<b>Eye Contact:</b>	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
<b>Skin Contact:</b>	Remove contaminated clothes. Wash thoroughly with water and soap. Contact physician if symptoms persist.
<b>Ingestion:</b>	Rinse mouth with water and obtain medical advice.

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

<b>Symptoms:</b>	No data available.
<b>Risks:</b>	Refer to Section 2.2 "Hazard Statements".

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

<b>Treatment:</b>	Refer to Section 2.2 "Response".
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## SECTION 5: Firefighting Measures

### 5.1 Extinguishing Media

<b>Suitable:</b>	Carbon dioxide (CO <sub>2</sub> ), Dry Chemical, Foam.
<b>Unsuitable:</b>	Do not use a direct water jet on burning material.

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

<b>During Fire Fighting:</b>	Water may be ineffective.
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### 5.3 Advice for Firefighters

<b>Further Information:</b>	Standard procedure for chemical fires.
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## SECTION 6: Accidental Release Measures

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

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

### 6.2 Environmental Precautions

Keep away from drains, soil, and surface and groundwater.

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

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

### 6.4 Reference to Other Sections

Not applicable

## SECTION 7: Handling and Storage

### 7.1 Precautions for Safe Handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

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

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

### 7.3 Specific End Uses

No information available.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

#### Exposure Limits:

Component	ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
140-11-4 <i>Benzyl acetate</i>	10			

**Engineering Controls:** Use local exhaust as needed.

## 8.2 Exposure Controls - Personal Protective Equipment

**Eye Protection:** Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure.

**Respiratory Protection:** Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

**Skin Protection:** Avoid skin contact. Use chemically resistant gloves as needed.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Appearance:</b>	Conforms to Standard
<b>Odor:</b>	Conforms to Standard
<b>Color:</b>	Yellow Tint to Greenish Yellow (G0-2)
<b>Viscosity:</b>	Liquid
<b>Freezing Point:</b>	Not determined
<b>Boiling Point:</b>	Not determined
<b>Melting Point:</b>	Not determined
<b>Flashpoint (CCCFP):</b>	>200°F (93.33°C)
<b>Auto Flammability:</b>	Not determined
<b>Explosive Properties:</b>	None expected
<b>Oxidizing Properties:</b>	None expected
<b>Vapor Pressure (mmHg@20°C):</b>	0.0079
<b>%VOC:</b>	3.0405
<b>Specific Gravity @ 25°C:</b>	1.0880
<b>Density @ 25°C:</b>	1.0850
<b>Refractive Index @ 20°C:</b>	1.5520
<b>Soluble In:</b>	Oil

## SECTION 10: Stability and Reactivity

<b>10.1 Reactivity</b>	None.
<b>10.2 Chemical Stability</b>	Stable.
<b>10.3 Possibility of Hazardous Reactions</b>	None known.



<b>10.4 Conditions to Avoid</b>	None known.
<b>10.5 Incompatible Materials</b>	Strong oxidizing agents, strong acids, and alkalis.
<b>10.6 Hazardous Decomposition Products</b>	None known.

<b>SECTION 11: Toxicological Information</b>
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**11.1 Toxicological Effects**

Acute Toxicity Estimates (ATEs) based on individual Ingredient Toxicity Data utilizing the "Additivity Formula."

<b>Acute Toxicity-Oral-(Rat) mg/kg</b>	(LD50: 1,706.28) Harmful if swallowed.
<b>Acute Toxicity-Dermal (Rabbit) mg/kg</b>	(LD50: 3,785.01) May be harmful in contact with skin.
<b>Acute Toxicity-Inhalation (Rat) mg/L/4hr</b>	(LC50: 119.70) May be harmful if inhaled.
<b>Skin Corrosion/Irritation</b>	Causes mild skin irritation.
<b>Serious Eye Damage/Irritation</b>	Causes serious eye irritation.
<b>Respiratory Sensitization</b>	Not classified - the classification criteria are not met.
<b>Skin Sensitization</b>	May cause an allergic skin reaction.
<b>Germ Cell Mutagenicity</b>	Not classified - the classification criteria are not met.
<b>Carcinogenicity</b>	Suspected of causing cancer.
<b>Reproductive Toxicity</b>	Not classified - the classification criteria are not met.
<b>Specific Target Organ Toxicity Single Exposure</b>	Not classified - the classification criteria are not met.
<b>Specific Target Organ Toxicity Repeated Exposure</b>	Not classified - the classification criteria are not met.
<b>Aspiration Hazard</b>	Not classified - the classification criteria are not met.

<b>SECTION 12: Ecological Information</b>
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**12.1 Toxicity**

<b>Acute Aquatic Toxicity:</b>	Very toxic to aquatic life.
<b>Chronic Aquatic Toxicity:</b>	Toxic to aquatic life with long lasting effects.
<b>Toxicity Data on Soil:</b>	No data available.
<b>Toxicity on Other Organisms:</b>	No data available.

**12.2 Persistence and Degradability** No data available.

**12.3 Bioaccumulative Potential** No data available.

**12.4 Mobility in Soil** No data available.

**12.5 Other Adverse Effects** No data available.

**SECTION 13: Disposal Considerations**

**13.1 Waste Treatment Methods**

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

**SECTION 14: Transport Information**

**14.1 Transport Information**

<b>Regulator</b>	<b>Class</b>	<b>Pack Group</b>	<b>Sub Risk</b>	<b>UN-Nr.</b>
<b>U.S. DOT (Non-Bulk)</b>	Not Regulated - Not Dangerous Goods			
<i>Chemicals NOI</i>				
<b>ADR/RID (International Road/Rail)</b>				
<i>Environmentally Hazardous Substance, Liquid, n.o.s.</i>	9	III		UN3082
<b>IATA (Air Cargo)</b>				
<i>Environmentally Hazardous Substance, Liquid, n.o.s.</i>	9	III		UN3082
<b>IMDG (Sea)</b>				
<i>Environmentally Hazardous Substance, Liquid, n.o.s.</i>	9	III		UN3082

## SECTION 15: Regulatory information

### 15.1 U.S. Federal Regulations

#### **TSCA (Toxic Substance Control Act)**

All components of the substance/mixture are listed or exempt.

#### **40 CFR (EPCRA, SARA, CERCLA AND CAA)**

This product contains NO components of concern.

### 15.2 U.S. State Regulations

#### **California Proposition 65 Warning**

This product contains the following components:

119-61-9	204-337-6	0.01-0.1%	Benzophenone
123-35-3 (NFS)	204-622-5	<= 31 ppm	beta-Myrcene (NFS)

### 15.3 Canadian Regulations

#### **DSL/NDSL**

100.00% of the components are listed or exempt.

## SECTION 16: Other Information

### 16.1 GHS H-Statements Referred to Under Section 3

H227: Combustible liquid.	H302: Harmful if swallowed.
H303: May be harmful if swallowed.	H313: May be harmful in contact with skin.
H315: Causes skin irritation.	H316: Causes mild skin irritation.
H317: May cause an allergic skin reaction.	H319: Causes serious eye irritation.
H320: Causes eye irritation.	H351: Suspected of causing cancer.
H361: Suspected of damaging fertility or the unborn child.	H400: Very toxic to aquatic life.
H402: Harmful to aquatic life.	H401: Toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.	H410: Very toxic to aquatic life with long lasting effects.
	H412: Harmful to aquatic life with long lasting effects.

## 16.2 Total Fractional Values

(TFV) Risk  
(1.51) Skin Corrosion/Irritation, Category 3  
(1.11) Eye Damage/Irritation, Category 2A  
(3.31) Aquatic Acute Toxicity, Category 1  
(10.00) Sensitization, Skin, Category 1A  
(1.00) Carcinogenicity, Category 2  
(5.28) Aquatic Chronic Toxicity, Category 2

### 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.