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

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 IIIIB Combustible Liquid.

Acute Dermal/Eye
11: May cause skin irritation.
16: Causes eye irritation.
19: May cause photo-induced skin irritation.

Acute Inhalation
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,
estomach, 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
### 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):

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Ingredient</th>
<th>EC#</th>
<th>Conc. Range</th>
<th>GHS Class.</th>
<th>OSHA Class.</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-51-4</td>
<td>Benzyl Benzoate</td>
<td>204-402-9</td>
<td>70-80%</td>
<td>H302; H313; H400; H411</td>
<td>28, 3</td>
</tr>
<tr>
<td>1222-05-5</td>
<td>Methyldihydrojasmonate</td>
<td>214-946-9</td>
<td>2-5%</td>
<td>H316; H400; H410</td>
<td>11, 15</td>
</tr>
<tr>
<td>140-11-4</td>
<td>Hexamethylindanopyran</td>
<td>205-399-7</td>
<td>1-2%</td>
<td>H303; H316; H401; H412</td>
<td>15, 25, 26, 31, 39</td>
</tr>
<tr>
<td>127-51-5</td>
<td>Benzyl acetate</td>
<td>204-846-3</td>
<td>1-2%</td>
<td>H315; H317; H320; H401; H411</td>
<td>11, 15, 19, 26, 28, 31</td>
</tr>
<tr>
<td>106-22-9</td>
<td>a-Isomethyl ionone</td>
<td>203-375-0</td>
<td>1-2%</td>
<td>H303; H313; H315; H317; H319; H401</td>
<td>11, 15</td>
</tr>
<tr>
<td>60-12-8</td>
<td>Citronellol</td>
<td>200-456-2</td>
<td>1-2%</td>
<td>H302; H313; H316; H319</td>
<td>11, 15, 3</td>
</tr>
<tr>
<td>118-58-1</td>
<td>Phenethyl alcohol</td>
<td>204-262-9</td>
<td>1-2%</td>
<td>H303; H317; H320; H401; H412</td>
<td>31</td>
</tr>
<tr>
<td>31906-04-4</td>
<td>Benzyl Salicylate</td>
<td>250-863-4</td>
<td>1-2%</td>
<td>H317; H402</td>
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</tr>
<tr>
<td></td>
<td>Hydroxyisohexyl 3-cyclohexene carboxaldehyde</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS #</td>
<td>Ingredient</td>
<td>EC#</td>
<td>Conc. Range</td>
<td>GHS Class.</td>
<td>OSHA Class.</td>
</tr>
<tr>
<td>---------</td>
<td>----------------------------------------------------------------------------</td>
<td>-----------</td>
<td>-------------</td>
<td>------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>80-54-6</td>
<td>Butylphenyl Methylpropional</td>
<td>201-289-8</td>
<td>1-2%</td>
<td>H227; H302; H315; H317; H361; H401; H411</td>
<td>11, 15, 26, 28, 3, 31, 39</td>
</tr>
<tr>
<td>32388-55-9</td>
<td>201-289-8</td>
<td>1-2%</td>
<td>H316; H317; H400; H410</td>
<td>16, 19</td>
<td></td>
</tr>
<tr>
<td>81-14-1</td>
<td>Acetyl cedrene</td>
<td>201-328-9</td>
<td>1-2%</td>
<td>H316; H351; H400; H410</td>
<td>11, 15</td>
</tr>
<tr>
<td>78-70-6</td>
<td>Musk ketone</td>
<td>201-134-4</td>
<td>0.1-1.0%</td>
<td>H227; H303; H315; H317; H319; H402</td>
<td>12, 26</td>
</tr>
<tr>
<td>107-75-5</td>
<td>Linalool</td>
<td>203-518-7</td>
<td>0.1-1.0%</td>
<td>H317; H319; H401</td>
<td>11, 15, 31</td>
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<tr>
<td>91-64-5</td>
<td>Hydroxycitronellal</td>
<td>202-086-7</td>
<td>0.1-1.0%</td>
<td>H302; H317; H402</td>
<td>12, 15, 2, 26, 31, 9</td>
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<tr>
<td>24720-09-0</td>
<td>Coumarin</td>
<td>246-430-4</td>
<td>0.1-1.0%</td>
<td>H302; H313; H317; H401; H411</td>
<td>12, 15, 26, 3, 31</td>
</tr>
<tr>
<td>57378-68-4</td>
<td>260-709-8</td>
<td>0.1-1.0%</td>
<td>H302; H313; H315; H317; H318; H400; H410</td>
<td>11, 15, 31</td>
<td></td>
</tr>
</tbody>
</table>

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

**Inhalation:** Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

**Eye Contact:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

**Skin Contact:** Remove contaminated clothes. Wash thoroughly with water and soap. Contact physician if symptoms persist.

**Ingestion:** Rinse mouth with water and obtain medical advice.

4.2 Most Important Symptoms/Effects, Acute and Delayed

**Symptoms:** No data available.

**Risks:** Refer to Section 2.2 “Hazard Statements”.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

**Treatment:** Refer to Section 2.2 “Response”.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

**Suitable:** Carbon dioxide (CO$_2$), Dry Chemical, Foam.

**Unsuitable:** Do not use a direct water jet on burning material.

5.2 Special Hazards Arising from the Substance or Mixture

**During Fire Fighting:** Water may be ineffective.

5.3 Advice for Firefighters

**Further Information:** Standard procedure for chemical fires.
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:

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>ACGIH STEL</th>
<th>OSHA TWA</th>
<th>OSHA STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>140-11-4 Benzyl acetate</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**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**

- **Appearance:** Conforms to Standard
- **Odor:** Conforms to Standard
- **Color:** Yellow Tint to Greenish Yellow (G0-2)
- **Viscosity:** Liquid
- **Freezing Point:** Not determined
- **Boiling Point:** Not determined
- **Melting Point:** Not determined
- **Flashpoint (CCCFP):** >200°F (93.3°C)
- **Auto Flammability:** Not determined
- **Explosive Properties:** None expected
- **Oxidizing Properties:** None expected
- **Vapor Pressure (mmHg@20°C):** 0.0079
- **%VOC:** 3.0405
- **Specific Gravity @ 25°C:** 1.0880
- **Density @ 25°C:** 1.0850
- **Refractive Index @ 20°C:** 1.5520
- **Soluble In:** Oil

**SECTION 10: Stability and Reactivity**

**10.1 Reactivity**

None.

**10.2 Chemical Stability**

Stable.

**10.3 Possibility of Hazardous Reactions**

None known.
10.4 Conditions to Avoid
None known.

10.5 Incompatible Materials
Strong oxidizing agents, strong acids, and alkalis.

10.6 Hazardous Decomposition Products
None known.

SECTION 11: Toxicological Information

11.1 Toxicological Effects
Acute Toxicity Estimates (ATEs) based on individual Ingredient Toxicity Data utilizing the “Additivity Formula.”

Acute Toxicity-Oral-(Rat) mg/kg
(LD50: 1,706.28) Harmful if swallowed.

Acute Toxicity-Dermal (Rabbit) mg/kg
(LD50: 3,785.01) May be harmful in contact with skin.

Acute Toxicity-Inhalation (Rat) mg/L/4hr
(LC50: 119.70) May be harmful if inhaled.

Skin Corrosion/Irritation
Causes mild skin irritation.

Serious Eye Damage/Irritation
Causes serious eye irritation.

Respiratory Sensitization
Not classified - the classification criteria are not met.

Skin Sensitization
May cause an allergic skin reaction.

Germ Cell Mutagenicity
Not classified - the classification criteria are not met.

Carcinogenicity
Suspected of causing cancer.

Reproductive Toxicity
Not classified - the classification criteria are not met.

Specific Target Organ Toxicity
Single Exposure
Not classified - the classification criteria are not met.

Specific Target Organ Toxicity
Repeated Exposure
Not classified - the classification criteria are not met.

Aspiration Hazard
Not classified - the classification criteria are not met.

SECTION 12: Ecological Information

12.1 Toxicity

Acute Aquatic Toxicity: Very toxic to aquatic life.
Chronic Aquatic Toxicity: Toxic to aquatic life with long lasting effects.
Toxicity Data on Soil: No data available.
Toxicity on Other Organisms: No data available.
12.2 Persistence and Degradingability  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

<table>
<thead>
<tr>
<th>Regulator</th>
<th>Class</th>
<th>Pack Group</th>
<th>Sub Risk</th>
<th>UN-Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. DOT (Non-Bulk)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemicals NOI</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADR/RID (International Road/Rail)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td></td>
<td>UN3082</td>
</tr>
<tr>
<td>IATA (Air Cargo)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td></td>
<td>UN3082</td>
</tr>
<tr>
<td>IMDG (Sea)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td></td>
<td>UN3082</td>
</tr>
</tbody>
</table>
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.  
H315: Causes skin irritation.  
H316: Causes mild skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye irritation.  
H319: Causes serious eye irritation.  
H320: Causes eye irritation.  
H321: Suspected of causing cancer.  
H351: Suspected of causing cancer.  
H361: Suspected of damaging fertility or the unborn child.  
H400: Very toxic to aquatic life.  
H401: Toxic to aquatic life.  
H402: Harmful to aquatic life.  
H403: Very toxic to aquatic life.  
H404: Very toxic to aquatic life with long lasting effects.  
H410: Very toxic to aquatic life with long lasting effects.  
H411: 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.