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

1.1 Product Name: Jacob Fragrance Oil
   Product Code: 303-369X

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)
   Flammable Liquids, Category 4  H227: Combustible liquid
   Acute Toxicity Oral, Category 5  H303: May be harmful if swallowed
   Acute Toxicity Dermal, Category 5  H313: May be harmful in contact with
                                     skin
   Skin Corrosion/Irritation, Category 2  H315: Causes 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
   Reproductive Toxicology, Category 2  H361: Suspected of damaging fertility or
                                              the unborn child
   Aquatic Chronic Toxicity, Category 2  H411: Toxic to aquatic life with long
                                              lasting effects
Classification OSHA (Provision 1910.1200 of title 29)

Flammability
- Class IIIA Combustible Liquid

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

Acute Inhalation
- 23: May cause respiratory tract irritation

Acute Oral
- 3: May be harmful if swallowed or aspirated into the lungs

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, male reproductive system.
- 28: Prolonged or repeated Dermal Exposure may cause damage to: 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
- ! [Explosion]
- [Flame]
- ! [Toxicity]

Signal Word: Warning

Hazard Statements
- H227 Combustible liquid
- H303 May be harmful if swallowed
- H313 May be harmful in contact with skin
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H319 Causes serious eye irritation
- H333 May be harmful if inhaled
- H361 Suspected of damaging fertility or the unborn child
- 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
- P235 Keep cool
- P264 Wash hands thoroughly after handling
- 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:
- P302+P352 IF ON SKIN: Wash with soap and water
- P304+P312 IN 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 so. Continue rinsing.
- P308+P313 If exposed or concerned: Get medical advice/attention
- P312 Call a POISON CENTER or doctor/physician if you feel unwell
- P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
- P337+P313 If eye irritation persists: Get medical advice/attention
- P362 Take off contaminated clothing and wash before reuse
- P363 Wash contaminated clothing before reuse
- P370+P378 In case of fire: Use Carbon Dioxide (CO₂), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
- 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):

<table>
<thead>
<tr>
<th>CAS # Ingredient</th>
<th>EC#</th>
<th>Conc. Range</th>
<th>GHS Class.</th>
<th>OSHA Class.</th>
</tr>
</thead>
<tbody>
<tr>
<td>98-55-5</td>
<td>202-680-6</td>
<td>5-10%</td>
<td>H227; H303; H315; H319; H401</td>
<td>11, 15, 23</td>
</tr>
<tr>
<td>alpha-terpineol</td>
<td>1222-05-5</td>
<td>2-5%</td>
<td>H316; H400; H410</td>
<td>11, 15</td>
</tr>
<tr>
<td>Hexamethylindanopyran</td>
<td>54464-57-2</td>
<td>2-5%</td>
<td>H315; H317; H400; H410</td>
<td>11, 31</td>
</tr>
<tr>
<td>Tetramethyl Acetyloctahydronaphthalenes</td>
<td>122-40-7</td>
<td>2-5%</td>
<td>H303; H316; H317; H401; H411</td>
<td>11, 15</td>
</tr>
<tr>
<td>Amyl Cinamal</td>
<td>32210-23-4</td>
<td>2-5%</td>
<td>H303; H317; H401</td>
<td>11, 15</td>
</tr>
<tr>
<td>4-tert-Butylcyclohexyl acetate</td>
<td>66068-84-6</td>
<td>2-5%</td>
<td>H315; H401; H411</td>
<td>11, 15</td>
</tr>
<tr>
<td>Isocamphenyl cyclohexanol (mixed isomers)</td>
<td>80-54-6</td>
<td>2-5%</td>
<td>H227; H302; H315; H317; H361; H401; H412</td>
<td>11, 15, 26, 28, 3, 31, 39</td>
</tr>
<tr>
<td>Butylphenyl Methylpropional</td>
<td>8014-09-3</td>
<td>2-5%</td>
<td>H304; H316; H401; H411</td>
<td></td>
</tr>
<tr>
<td>Pogostemon cablin oil</td>
<td>68917-33-9</td>
<td>2-5%</td>
<td>H226; H304; H315; H400; H410</td>
<td>12, 3, 31</td>
</tr>
<tr>
<td>Lemon oil terpenes</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

SDS Jacob Fragrance Oil, 303-369X August 31, 2018, page 4 of 12
<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>24851-98-7</td>
<td>Methyldihydrojasmonate</td>
<td>246-495-9</td>
<td>2-5%</td>
<td>H402</td>
<td></td>
</tr>
<tr>
<td>31906-04-4</td>
<td>Hydroxyisohexyl 3-cyclohexene carboxaldehyde</td>
<td>250-863-4</td>
<td>1-2%</td>
<td>H317; H402</td>
<td></td>
</tr>
<tr>
<td>125-12-2</td>
<td>Isobornyl acetate</td>
<td>204-727-6</td>
<td>1-2%</td>
<td>H227; H316; H401</td>
<td>11, 15</td>
</tr>
<tr>
<td>68647-72-3</td>
<td>Limonene</td>
<td>232-433-8</td>
<td>1-2%</td>
<td>H226; H304; H315; H317; H400; H410</td>
<td>12, 3, 31</td>
</tr>
<tr>
<td>32388-55-9</td>
<td>Acetyl cedrene</td>
<td>251-020-3</td>
<td>1-2%</td>
<td>H316; H317; H400; H410</td>
<td>16, 19</td>
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<tr>
<td>68990-83-0</td>
<td>Juniperus mexicana</td>
<td>294-461-7</td>
<td>1-2%</td>
<td>H304; H316; H400; H410</td>
<td>3</td>
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<tr>
<td>115-95-7</td>
<td>Linalyl acetate</td>
<td>204-116-4</td>
<td>0.1-1.0%</td>
<td>H227; H315; H317; H319; H402</td>
<td></td>
</tr>
<tr>
<td>5462-06-6</td>
<td>4-Methoxy-alpha-methylbenzenepropanal</td>
<td>226-749-5</td>
<td>0.1-1.0%</td>
<td>H227; H303; H317; H402</td>
<td>11, 15, 31</td>
</tr>
<tr>
<td>2785-87-7</td>
<td>Dihydroeugenol (2-Methoxy-4-propylphenol)</td>
<td>220-499-0</td>
<td>0.1-1.0%</td>
<td>H303; H315; H317; H318; H335; H401</td>
<td>12, 14, 31, 9</td>
</tr>
<tr>
<td>470-82-6</td>
<td>Eucalyptol</td>
<td>207-431-5</td>
<td>0.1-1.0%</td>
<td>H226; H303; H316; H317</td>
<td>26, 27, 3</td>
</tr>
<tr>
<td>78-70-6</td>
<td>Linalool</td>
<td>201-134-4</td>
<td>0.1-1.0%</td>
<td>H227; H303; H315; H317; H319; H402</td>
<td>12, 26</td>
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<tr>
<td>104-54-1</td>
<td>Cinnamyl Alcohol</td>
<td>203-212-3</td>
<td>0.1-1.0%</td>
<td>H303; H317</td>
<td>11, 15, 31</td>
</tr>
</tbody>
</table>
### 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 Exposure:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

**Skin Exposure:** 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 and Effects, Acute and Delayed**

**Symptoms:** No data available

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

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

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

---

<table>
<thead>
<tr>
<th>CAS # Ingredient</th>
<th>EC#</th>
<th>Conc. Range</th>
<th>GHS Class.</th>
<th>OSHA Class.</th>
</tr>
</thead>
<tbody>
<tr>
<td>127-91-3</td>
<td>204-872-5</td>
<td>0.1-1.0%</td>
<td>H226; H304; H315; H317; H400; H410</td>
<td>11, 15, 24, 25, 31</td>
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<tr>
<td>β-Pinene</td>
<td>68737-61-1</td>
<td>0.1-1.0%</td>
<td>H227; H303; H313; H315; H317; H401; H411</td>
<td>12, 15, 31</td>
</tr>
<tr>
<td>Dimethyltetrahydro Benzaldehyde</td>
<td>89-80-5</td>
<td>0.1-1.0%</td>
<td>H227; H303; H316; H317; H402</td>
<td></td>
</tr>
<tr>
<td>trans-p-menthan-3-one</td>
<td>201-941-1</td>
<td>0.1-1.0%</td>
<td>H227; H303; H316; H317; H402</td>
<td></td>
</tr>
</tbody>
</table>

See Section 16 for full text of GHS classification codes
Total Hydrocarbon Content (% w/w) = 5.44
SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable: Carbon Dioxide (CO₂), 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 TWA ppm</th>
<th>ACGIH STEL ppm</th>
<th>OSHA TWA ppm</th>
<th>OSHA STEL ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>127-91-3 β-Pinene</td>
<td>20</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: Liquid
Odor: Conforms to Standard
Color: Golden Yellow to Orange (G7-9)
Viscosity: Liquid
Freezing Point: Not determined
Boiling Point: Not determined
Melting Point: Not determined
Flashpoint (CCCFP): 192°F (88.89°C)
Auto flammability: Not determined
Explosive Properties: None expected
Oxidizing Properties: None expected
Vapor Pressure (mmHg@20C): 0.071
%VOC: 5.84
Specific Gravity @ 25 C: 0.9110
Density @ 25 C: 0.9080
Refractive Index @ 20 C: 1.4700
Soluble in: Oil

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

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

Acute Toxicity-Oral-(Rat) mg/kg (LD50:4,911.33) May be harmful if swallowed
Acute Toxicity-Dermal (Rabbit) mg/kg (LD50:4,282.33) May be harmful in contact with skin
Acute Toxicity-Inhalation (Rat) mg/L/4hr (LC50:24.74) May be harmful if inhaled
Skin Corrosion/Irritation
Causes skin irritation
Serious Eye Damage/Irritation
Causes serious eye irritation
Respiratory Sensitization
Not classified - the classification criteria
SECTION 12: Ecological Information

12.1 Toxicity

- **Acute Aquatic Toxicity**: Not classified - the classification criteria are not met
- **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 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

<table>
<thead>
<tr>
<th>Regulator</th>
<th>Class</th>
<th>Pack Group</th>
<th>UN-Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. DOT (Non-Bulk)</td>
<td>Not regulated - Not Dangerous Goods</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical NOI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADR/RID (International Road/Rail)</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>UN3082</td>
</tr>
<tr>
<td>IATA (Air Cargo)</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>UN3082</td>
</tr>
<tr>
<td>IMDG (Sea)</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>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:
123-35-3 (NF 204-622-5  0.1-1.0% 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

H226: Flammable liquid and vapor
H304: May be fatal if swallowed and enters airways
H302: Harmful if swallowed
H318: Causes serious eye damage
H316: Causes mild skin irritation
H317: May cause an allergic skin reaction
H400: Very toxic to aquatic life
H402: Harmful to aquatic life
H412: Harmful to aquatic life with long lasting effects
H410: Very toxic to aquatic life with long lasting effects

16.2 Total Fractional Values

(TFV) Risk
(2.80) Skin Corrosion/Irritation, Category 2
(1.39) Eye Damage/Eye Irritation, Category 2A
(7.55) Aquatic Chronic Toxicity, Category 2
(190.00) Sensitization, Skin, Category 1A
(35.00) Reproductive Toxicology, 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.