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

1.1 Product Name: Alpine Fragrance Oil
   Product Code: 303-222X

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 4 H302: Harmful is swallowed
   Aspiration Hazard, Category 1 H304: May be fatal if swallowed and enters airways
   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/Eye Irritation, Category 2A H319: Causes serious eye irritation
   Acute Toxicity Inhalation, Category 5 H333: May be harmful if inhaled
   Germ Cell Mutagenicity, Category 2 H341: Suspected of causing genetic defects
   Carcinogenicity, Category 1B H350: May cause 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 IIIA Combustible Liquid

- **Acute Dermal/Eye**
  - 12: Causes moderate skin irritation
  - 16: Causes eye irritation
  - 9: Harmful if absorbed through the skin

- **Acute Oral**
  - 2: Harmful is swallowed

- **Genotoxicity:**
  - 36: Suspected of causing genetic defects

- **Sensitization/Allergic Response**
  - 31: May cause allergic skin reaction

- **Target Organ Effects**
  - 26: Prolonged or repeated ingestion may cause damage to: kidneys, liver, spleen, blood, stomach, nasal cavity, bile duct.
  - 28: Prolonged or repeated Dermal Exposure may cause damage to: kidneys, skin.

- **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**

![Pictogram](image)

**Signal Word:** Danger

**Hazard Statements**

- H227  Combustible liquid
- H302  Harmful if swallowed
- H304  May be fatal if swallowed and enters airways
- 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
H341 Suspected of causing genetic defects
H350 May cause 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
P235 Keep cool
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+P310+P331 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting
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
P312 Call a POISON CENTER or doctor/physician if you feel unwell
P313 Get medical advice/attention
P330 Rinse mouth
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
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
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>4-tert-Butylcyclohexyl acetate</td>
<td>204-402-9</td>
<td>40-50%</td>
<td>H302; H313; H400; H411</td>
<td>28, 3</td>
</tr>
<tr>
<td>32210-23-4</td>
<td>Benzyl Benzoate</td>
<td>204-402-9</td>
<td>10-20%</td>
<td>H303; H317; H401</td>
<td>11, 15</td>
</tr>
<tr>
<td>105-95-3</td>
<td>4-tert-Butylcyclohexyl acetate</td>
<td>203-347-8</td>
<td>5-10%</td>
<td>H401</td>
<td>11, 15</td>
</tr>
<tr>
<td>8000-27-9</td>
<td>Ethylene brassylate</td>
<td>204-465-2</td>
<td>5-10%</td>
<td>H304; H316; H400; H410</td>
<td>3</td>
</tr>
<tr>
<td>121-33-5</td>
<td>Juniperus Virginiana Oil</td>
<td>204-402-9</td>
<td>5-10%</td>
<td>H303; H319</td>
<td>31</td>
</tr>
<tr>
<td>88-41-5</td>
<td>Vanillin</td>
<td>204-402-9</td>
<td>5-10%</td>
<td>H227; H303; H316; H401; H411</td>
<td>12, 2</td>
</tr>
<tr>
<td>91-64-5</td>
<td>2-t-Butylcyclohexyl acetate</td>
<td>202-086-7</td>
<td>2-5%</td>
<td>H302; H317; H402</td>
<td>12, 15, 2, 26, 31, 9</td>
</tr>
<tr>
<td>120-57-0</td>
<td>Coumarin</td>
<td>204-409-7</td>
<td>2-5%</td>
<td>H303; H317; H401</td>
<td>31</td>
</tr>
<tr>
<td>8021-29-2</td>
<td>Piperonal</td>
<td>294-351-9</td>
<td>2-5%</td>
<td>H226; H304; H316; H319; H400; H410</td>
<td>12, 16, 3, 31</td>
</tr>
</tbody>
</table>

Abies sibirica oil
<table>
<thead>
<tr>
<th>CAS #</th>
<th>EC#</th>
<th>Conc. Range</th>
<th>GHS Class.</th>
<th>OSHA Class.</th>
</tr>
</thead>
<tbody>
<tr>
<td>68647-72-3</td>
<td>232-433-8</td>
<td>2-5%</td>
<td>H226; H304; H315; H317; H400; H410</td>
<td>12, 3, 31</td>
</tr>
<tr>
<td>68737-61-1</td>
<td>272-113-5</td>
<td>1-2%</td>
<td>H227; H303; H313; H315; H317; H401; H411</td>
<td>12, 15, 31</td>
</tr>
<tr>
<td>8015-91-6</td>
<td>283-479-0</td>
<td>1-2%</td>
<td>H227; H303; H313; H316; H319; H341; H350; H401; H412</td>
<td>11, 15, 31</td>
</tr>
<tr>
<td>104-55-2</td>
<td>203-213-9</td>
<td>1-2%</td>
<td>H303; H312; H315; H317; H319; H401</td>
<td>10, 12, 16, 26, 31, 36</td>
</tr>
<tr>
<td>103-95-7</td>
<td>203-161-7</td>
<td>1-2%</td>
<td>H227; H303; H315; H317; H401; H412</td>
<td>11, 15, 31</td>
</tr>
<tr>
<td>57378-68-4</td>
<td>260-709-8</td>
<td>0.1-1.0%</td>
<td>H302; H315; H317; H318; H400; H410</td>
<td>11, 15, 31</td>
</tr>
<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>
</tr>
<tr>
<td>23726-91-2</td>
<td>245-842-1</td>
<td>0.1-1.0%</td>
<td>H303; H315; H317; H401; H411</td>
<td>11, 31</td>
</tr>
</tbody>
</table>

See Section 16 for full text of GHS classification codes
Total Hydrocarbon Content (% w/w) = 5.73
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/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”

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 spillage 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Conforms to Standard</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow Tint (G1)</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Liquid</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flashpoint (CCCFP)</td>
<td>184°F (84.44°C)</td>
</tr>
<tr>
<td>Auto flammability</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>None expected</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>None expected</td>
</tr>
<tr>
<td>Vapor Pressure (mmHg@20°C)</td>
<td>0.0465</td>
</tr>
<tr>
<td>%VOC</td>
<td>6.59</td>
</tr>
<tr>
<td>Specific Gravity @ 25°C</td>
<td>1.0530</td>
</tr>
</tbody>
</table>
Density @ 25 C: 1.0500
Refractive Index @ 20 C: 1.5270
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: 1,988.13) Harmful if swallowed

Acute Toxicity-Dermal (Rabbit) mg/kg
(LD50: 2,931.96) May be harmful in contact with skin

Acute Toxicity-Inhalation (Rat) mg/L/4hr
(LC50: 96.77) 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
Suspected of causing genetic defects

Carcinogenicity
May cause cancer

Reproductive Toxicity
Not classified - the classification criteria are not met

Specific Target Organ Toxicity
Not classified - the classification criteria are not met
**Specific Target Organ Toxicity**

**Repeated Exposure**
Not classified - the classification criteria are not met

**Aspiration Hazard**
May be fatal if swallowed and enters airways

### 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 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><em>Chemical NOI</em></td>
<td></td>
<td></td>
<td></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:
- 94-59-7  202-345-4  0.01-0.1%  Safrole (NFS)
- 93-15-2  202-223-0  <= 10 ppm  Methyl Eugenol (NFS)
- 123-35-3  100-622-5  0.01-0.1%  beta-Myrcene (NFS)

#### 15.3 Canadian Regulations

**DSL/NDSL**
100.00% of the components are listed or exempt. The following components are NOT on the list:
- 94201-73-7  303-622-1  <= 20 ppm  Tetrahydro-4-methyl-2-phenyl-2H-pyran
SECTION 16: Other Information

16.1 GHS H-Statements Referred to Under Section 3

H226: Flammable liquid and vapor  H303: May be harmful if swallowed
H312: Harmful in contact with skin  H315: Causes skin irritation
H317: May cause an allergic skin reaction  H318: Causes serious eye damage
H401: Toxic to aquatic life  H402: Harmful to aquatic life
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
(1.22) Aspiration Hazard, Category 1
(2.23) Skin Corrosion/Irritation, Category 3
(100.00) Sensitization, Skin, Category 1A
(1.26) Eye Damage/Eye Irritation, Category 2A
(1.00) Germ Cell Mutagenicity, Category 2
(10.00) Carcinogenicity, Category 1B
(2.40) Aquatic Acute Toxicity, Category 1
(7.10) 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.