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

1.1 Product Name: Huckleberry Fragrance Oil
   Product Code: 303-242X

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 3                H226: Flammable liquid and vapor.
   Acute Toxicity Oral, Category 5              H303: May be harmful if 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 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 damage.
   Acute Toxicity Inhalation, Category 5       H333: May be harmful if inhaled.
   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)

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>Class II Combustible Liquid.</td>
</tr>
<tr>
<td>Acute Dermal/Eye</td>
<td>12: Causes moderate skin irritation.</td>
</tr>
<tr>
<td></td>
<td>16: Causes eye irritation.</td>
</tr>
<tr>
<td></td>
<td>9: Harmful if absorbed through the skin.</td>
</tr>
<tr>
<td>Acute Inhalation</td>
<td>24: Causes respiratory tract irritation.</td>
</tr>
<tr>
<td></td>
<td>25: Inhalation at high levels may cause: difficulty in breathing, headache,</td>
</tr>
<tr>
<td></td>
<td>dizziness, drowsiness, eye irritation, pulmonary tract, nausea, rapid heart</td>
</tr>
<tr>
<td></td>
<td>action.</td>
</tr>
<tr>
<td>Acute Oral</td>
<td>2: Harmful if swallowed.</td>
</tr>
<tr>
<td>Genotoxicity</td>
<td>36: Suspected of causing genetic defects.</td>
</tr>
<tr>
<td>Reproductive/Developmental</td>
<td>39: Causes reproductive/developmental toxicity in animals.</td>
</tr>
<tr>
<td>Sensitization/Allergic Response</td>
<td>31: May cause allergic skin reaction.</td>
</tr>
<tr>
<td>Target Organ Effects</td>
<td>26: Prolonged or repeated ingestion may cause damage to: kidneys, liver, spleen,</td>
</tr>
<tr>
<td></td>
<td>thymus gland, blood, stomach, testes, brain, nasal cavity, bile duct.</td>
</tr>
<tr>
<td></td>
<td>27: Prolonged or repeated inhalation may cause damage to: liver, spleen, blood,</td>
</tr>
<tr>
<td></td>
<td>heart, lungs, nervous system.</td>
</tr>
<tr>
<td></td>
<td>28: Prolonged or repeated dermal exposure may cause damage to: kidneys, skin.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>This mixture contains ingredients identified as carcinogens, at 0.1% or</td>
</tr>
<tr>
<td></td>
<td>greater, by the following: None [X] ACGIH [ ] IARC [ ] NTP [ ] OSHA [ ]</td>
</tr>
</tbody>
</table>

### 2.2 Label Elements

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

**Hazard Pictograms**

- ![Exclamation Mark](image)
- ![Flammable](image)
- ![Corrosive](image)
- ![Infectious](image)

**Signal Word:** Danger
Hazard Statements

H226 Flammable liquid and vapor.
H303 May be harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
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.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

P233 Keep container tightly closed.
P235 Keep cool.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/light equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.

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.
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
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.
P352 Wash with soap and water.
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 #</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>204-402-9</td>
<td>20-30%</td>
<td>H302; H313; H400; H411</td>
<td>28, 3</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Benzyl Benzoate</td>
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</tr>
<tr>
<td>5989-27-5</td>
<td>227-813-5</td>
<td>10-20%</td>
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<td>11, 15, 23</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Limonene</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>100-52-7</td>
<td>202-860-4</td>
<td>5-10%</td>
<td>H227; H302; H316; H319; H332; H335; H401</td>
<td>10, 11, 15, 23, 25, 26, 3, 31, 36, 39</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Benzaldehyde</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>77-83-8</td>
<td>201-061-8</td>
<td>5-10%</td>
<td>H317; H401; H411</td>
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<td></td>
</tr>
<tr>
<td>Ethyl Methylphenylglycidate</td>
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<td>141-78-6</td>
<td>205-500-4</td>
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<tr>
<td>Ethyl acetate</td>
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<td>203-225-4</td>
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<td>CAS #</td>
<td>EC#</td>
<td>Conc. Range</td>
<td>GHS Class.</td>
<td>OSHA Class.</td>
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<tr>
<td>---------</td>
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<td></td>
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<td></td>
<td><strong>Coumarin</strong></td>
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<tr>
<td>10094-34-5</td>
<td>233-221-8</td>
<td>2-5%</td>
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<td></td>
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<td><strong>a, a-Dimethylphenethyl butyrate</strong></td>
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<td>203-306-4</td>
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<td>H226; H401</td>
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<td></td>
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<td><strong>Ethyl butyrate</strong></td>
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<tr>
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<td>203-127-1</td>
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<td>11</td>
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<td><strong>2-Phenoxyethyl isobutyrate</strong></td>
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<tr>
<td>104-55-2</td>
<td>203-213-9</td>
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<td>10, 12, 16, 26, 31, 36</td>
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<tr>
<td></td>
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<td></td>
<td><strong>Cinnamal</strong></td>
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<tr>
<td>14901-07-6</td>
<td>238-969-9</td>
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<td></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td><strong>beta-Ionone</strong></td>
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<tr>
<td>80-56-8</td>
<td>201-291-9</td>
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<td>H226; H302; H304; H315; H317; H400; H410</td>
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<td></td>
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<tr>
<td></td>
<td><strong>pinene</strong></td>
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<td>205-794-6</td>
<td>1-2%</td>
<td>H226; H303; H304; H316</td>
<td>11, 15</td>
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<td><strong>gamma-Terpinene</strong></td>
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<tr>
<td>5392-40-5</td>
<td>226-394-6</td>
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</tr>
<tr>
<td></td>
<td><strong>Citral</strong></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 13.83
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 TWA ppm</th>
<th>ACGIH STEL ppm</th>
<th>OSHA TWA ppm</th>
<th>OSHA STEL ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6 Ethyl Acetate</td>
<td>400</td>
<td>400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>80-56-8 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: Yellow (G4-6)
Viscosity: Liquid
Freezing Point: Not determined
Boiling Point: Not determined
Melting Point: Not determined
Flashpoint (CCCFP): 124°F (51.11°C)
Auto Flammability: Not determined
Explosive Properties: None expected
Oxidizing Properties: None expected
Vapor Pressure (mmHg@20°C): 4.3991
%VOC: 28.0625
Specific Gravity @ 25°C: 0.9540
Density @ 25°C: 0.9510
Refractive Index @ 20°C: 1.4880
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: 2,790.07) May be harmful if swallowed.
Acute Toxicity-Dermal (Rabbit) mg/kg (LD50: 2,652.91) May be harmful in contact with skin.
Acute Toxicity-Inhalation (Rat) mg/L/4hr (LC50: 25.82) 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 are not met.
Skin Sensitization May cause an allergic skin reaction.
Germ Cell Mutagenicity Not classified - the classification criteria are not met.
Carcinogenicity Not classified - the classification criteria are not met.
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.

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><strong>U.S. DOT (Non-Bulk)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perfumery Products</td>
<td>3</td>
<td>III</td>
<td>Flammable Liquid</td>
<td>UN1266</td>
</tr>
<tr>
<td><strong>ADR/RID (International Road/Rail)</strong></td>
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<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><strong>IATA (Air Cargo)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perfumery Products</td>
<td>3</td>
<td>III</td>
<td>Flammable Liquid</td>
<td>UN1266</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><strong>IMDG (Sea)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perfumery Products</td>
<td>3</td>
<td>III</td>
<td>Flammable Liquid</td>
<td>UN1266</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 the following components:
141-78-6  205-500-4  2-5% Ethyl acetate
15.2 U.S. State Regulations

**California Proposition 65 Warning**
This product contains the following components:
123-35-3 (NFS) 204-622-5 0.1-1.0% beta-Myrcene (Natural Source)

15.3 Canadian Regulations

**DSL/NDSL**
100.00% of the components are listed or exempt.

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

- **H225**: Highly flammable liquid and vapor
- **H302**: Harmful if swallowed
- **H316**: Causes mild skin irritation
- **H332**: Harmful if inhaled
- **H336**: May cause drowsiness or dizziness
- **H402**: Harmful to aquatic life
- **H412**: Harmful to aquatic life with long lasting effects
- **H227**: Combustible liquid
- **H312**: Harmful in contact with skin
- **H317**: May cause an allergic skin reaction
- **H335**: May cause respiratory irritation
- **H401**: Toxic to aquatic life
- **H410**: Very toxic to aquatic life with long lasting effects

### 16.2 Total Fractional Values

- **(TFV) Risk**
  - (1.38) Aspiration Hazard, Category 1
  - (1.38) Aquatic Acute Toxicity, Category 1
  - (1.40) Eye Damage/Eye Irritation, Category 2A
  - (1.56) Skin Corrosion/Irritation, Category 2
  - (6.33) Aquatic Chronic Toxicity, Category 2
  - (15.00) Sensitization, Skin, Category 1A

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.