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

1.1 Product Name: Ginger Fragrance Oil  
Product Code: 303-111X

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 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 1B 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.  
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. 15: May cause eye irritation.
- **Acute Inhalation**: 23: May cause respiratory tract irritation.
- **Acute Oral**: 3: May be harmful if swallowed or if aspirated into the lungs. 4: Harmful if swallowed, can enter lungs and cause damage.
- **Genotoxicity**: 36: Suspected of causing genetic defects.
- **Sensitization/Allergic Response**: 31: May cause allergic skin reaction. 32: May cause light-induced allergic reaction.
- **Target Organ Effects**: 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**

- ![](image1.png)
- ![](image2.png)
- ![](image3.png)

**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.
- H315: Causes 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.
P362 Take of 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
### 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>60-70%</td>
<td>H302; H313; H400; H411</td>
<td>28, 3</td>
</tr>
<tr>
<td>98-55-5</td>
<td>202-680-6</td>
<td>10-20%</td>
<td>H227; H303; H315; H319; H401</td>
<td>11, 15, 23</td>
</tr>
<tr>
<td>8008-56-8</td>
<td>284-515-8</td>
<td>10-20%</td>
<td>H226; H304; H315; H400; H410</td>
<td>12, 3, 31, 32</td>
</tr>
<tr>
<td>8008-26-2</td>
<td>290-010-3</td>
<td>5-10%</td>
<td>H226; H304; H315; H317; H319; H401; H411</td>
<td>12, 3, 31</td>
</tr>
<tr>
<td>8008-45-5</td>
<td>282-013-3</td>
<td>2-5%</td>
<td>H226; H304; H315; H317; H341; H350; H400; H410</td>
<td>11, 15</td>
</tr>
<tr>
<td>8008-57-9</td>
<td>232-433-8</td>
<td>2-5%</td>
<td>H226; H304; H315; H400; H410</td>
<td>12, 3, 31</td>
</tr>
<tr>
<td>8000-34-8</td>
<td>284-638-7</td>
<td>2-5%</td>
<td>H303; H304; H313; H316; H319; H401</td>
<td>12, 31, 36, 4</td>
</tr>
<tr>
<td>97-53-0</td>
<td>202-589-1</td>
<td>2-5%</td>
<td>H303; H316; H317; H319; H401</td>
<td>11, 15, 31</td>
</tr>
</tbody>
</table>

**Benzyl Benzoate**

**alpha-Terpineol**

**Citrus medica limonum (Lemon) peel oil**

**Citrus aurantifolia (Lime) oil**

**Myristica fragrans (Nutmeg) kernel oil**

**Citrus Aurantium Dulcis (Orange) Peel Oil**

**Eugenia caryophyllus (Clove) leaf oil**

**Eugenol**
SECTION 4: First Aid Measures

<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>8007-08-7</td>
<td>283-634-2</td>
<td>1-2%</td>
<td>H227; H304; H315; H316; H319; H402; H412</td>
<td>11, 3, 31</td>
</tr>
<tr>
<td>Zingiber officinale (Ginger) Root Oil</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>68737-61-1</td>
<td>272-113-5</td>
<td>0.1-1.0%</td>
<td>H227; H303; H313; H317; H401; H411</td>
<td>12, 15, 31</td>
</tr>
<tr>
<td>Dimethyltetrahydro Benzaldehyde</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See Section 16 for full text of GHS classification codes
Total Hydrocarbon Content (% w/w) = 20.29

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\textsubscript{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 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:** Contains no substances with occupational exposure limit values.

**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>Description</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 (G6-8)</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>148°F (64.44°C)</td>
</tr>
<tr>
<td>Auto Flammability:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosive Properties:</td>
<td>None expected</td>
</tr>
</tbody>
</table>
**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: 1,984.69) Harmful if swallowed.

**Acute Toxicity-Dermal (Rabbit) mg/kg**

(LD50: 4,116.06) May be harmful in contact with skin.

**Acute Toxicity-Inhalation (Rat) mg/L/4hr**

(LC50: 47.16) 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**

Suspected of causing genetic defects.

**Carcinogenicity**

May cause cancer.

**Reproductive Toxicity**

Not classified - the classification criteria are not met.

---

Oxidizing Properties: None expected

Vapor Pressure (mmHg@20°C): 0.269

%VOC: 24.6

Specific Gravity @ 25°C: 1.0100

Density @ 25°C: 1.0070

Refractive Index @ 20°C: 1.5270

Soluble In: Oil
**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.
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>

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 0.01-0.1% Methyl Eugenol (NFS)
- 123-35-3(NFS) 202-622-5 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
- H316: Causes mild skin irritation
- H401: Toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- H303: May be harmful if swallowed
- H317: May cause an allergic skin reaction
- H402: Harmful to aquatic life
- H412: Harmful to aquatic life with long lasting effects

16.2 Total Fractional Values

- (TFV) Risk
  - (2.85) Aspiration Hazard, Category 1
  - (2.78) Eye Damage/Irritation, Category 2A
  - (3.00) Germ Cell Mutagenicity, Category 2
  - (3.06) Aquatic Acute Toxicity, Category 1
  - (3.76) Skin Corrosion/Irritation, Category 2
  - (9.14) Aquatic Chronic Toxicity, Category 2
  - (25.00) Sensitization, Skin, Category 1B
  - (30.00) Carcinogenicity, Category 1B

**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.