Section 1: Identification of the Substance/mixture and of the Company/undertaking

1.1 Product Name: Spearmint First Cutting Essential Oil
Product Code: 302-209X

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

- Aspiration Toxicity Category 1
- Acute Oral Toxicity Category 4
- Acute Dermal Toxicity Category 5
- Skin Corrosion/Irritation Category 2
- Serious Eye Damage/Eye Irritation Category 2
- Skin Sensitization Category 1
- Acute Aquatic Toxicity Category 2
- Chronic Aquatic Toxicity Category 2
- Flammable Liquids Category 4

Classification According to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16.

Symbols
Xn - Harmful
N - Dangerous

R-Codes
Xn; R22 - Xi; R38 - N; R51 - 53
2.2 Label Elements

Signal Word: Danger

Hazard Statements
- H227 Combustible liquid
- H302 Harmful if swallowed
- H304 May be fatal if swallowed and enter 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
- H411 Toxic to aquatic life with long lasting effects

Precautionary Statements
- P280 Wear eye protection/face protection
- P321 Specific Treatment (see ? On this label)
- P301 + P310 IF SWALLOWED: Immediately call a Poison Center or doctor/physician
- P331 Do NOT induce vomiting
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P370 + P378 In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P280 Wear protective gloves/eye protection/face protection.

2.3 Other Information
No data available
SECTION 3: Composition/Information on Ingredients

3.1 Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC - No</th>
<th>CAS - No</th>
<th>Weight %</th>
<th>Classification according to Directive 67/548/EEC or 1999/45/EC</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carvone</td>
<td>202-759-5</td>
<td>99-49-0</td>
<td>50-90%</td>
<td>XN; R22; XI; R43</td>
<td>Aquatic Acute 3 (H402) Skin Sens. 1 (H317) Skin Irrit. 3 (H316) Acute Tox. 4 (H302) Acute Tox. 5 (H313)</td>
</tr>
<tr>
<td>Limonene</td>
<td>227-813-5</td>
<td>5989-27-5</td>
<td>15-20%</td>
<td>R10, XI; R38, XI; R43, N; R50/53</td>
<td>Aquatic Acute 1 (H400) Skin Sens. 1 (H317) Skin Irrit. 2 (H316) Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)</td>
</tr>
<tr>
<td>Pinenes</td>
<td>201-291-9</td>
<td>80-56-8</td>
<td>1-5%</td>
<td>R10, XI; R43, N; R50/53, XN; R65</td>
<td>Aquatic Acute 1 (H400) Skin Sens. 1 (H317) Skin Irrit. 3 (H316) Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)</td>
</tr>
</tbody>
</table>

For the full text of the R-phrases mentioned in this Section, see Section 16

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

**General Advice:**
If symptoms persists, call a physician. Do not breathe dust/fume/gas/mist/vapors/ spray. Do not get in eyes, on skin, or on clothing.

**Eye Contact:**
Immediately flush with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
**SECTION 5: Firefighting Measures**

**Skin Contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Immediate medical attention is not required.

**Ingestion:** Do NOT induce vomiting. Rinse mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapors or decomposition products. If breathing is irregular or stopped, administer artificial respiration or use barrier to give mouth-to-mouth resuscitation. Avoid direct contact with skin. Immediate medical attention is not required. If symptoms persist, call a physician.

**Protection of First Aiders:** Use personal protective equipment

**4.2 Most Important Symptoms and Effects, Both Acute and Delayed**
No data available

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

**Notes to Physician:** May cause sensitization in susceptible persons. Treat symptomatically.

**SECTION 5: Firefighting Measures**

**5.1 Extinguishing Media**

**Suitable:** Dry chemical, Carbon dioxide (CO₂), Water spray, Alcohol-resistant foam

**Unsuitable:** No information available

**5.2 Special Hazards Arising from the Substance or Mixture**
None
5.3 Advice for Firefighters

**Special Protective Equipment for Firefighters:**
As in any fire, wear self-contained breathing apparatus and full protective gear.

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

See Section 12 for additional Ecological Information

6.2 Environmental Precautions
Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3 Methods and Materials for Containment and Cleaning up
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

7.1 Precautions for Safe Handling
Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific End Uses

**Exposure Scenario:** N/A
SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

**Exposure Limits:**
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>European Union</th>
<th>The United Kingdom</th>
<th>France</th>
<th>Spain</th>
<th>Germany</th>
</tr>
</thead>
</table>
| Limonene 5989-27-5 | | | | | MAK: 20ppm  
MAK: 110mg/m³  
Ceiling / Peak: 40ppm  
Ceiling / Peak: 220 mg/m³  
TWA: 20ppm  
TWA: 110 mg/m³ |
| Pinenes 80-56-8 | | | | VLA-ED:  
20ppm  
VLA-ED:  
113mg/m³ |

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Italy</th>
<th>Portugal</th>
<th>The Netherlands</th>
<th>Finland</th>
<th>Denmark</th>
</tr>
</thead>
</table>
| Limonene 5989-27-5 | | | TWA: 25ppm  
TWA: 140 mg/m³  
STEL: 50ppm  
STEL: 280 mg/m³ | | |
<p>| Pinenes 80-56-8 | TWA: 20ppm | | | | |</p>
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Austria</th>
<th>Sweden Occupational Exposure Limits TLVs (LLVs)</th>
<th>Switzerland</th>
<th>Poland</th>
<th>Norway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limonene 5989-27-5</td>
<td>STEL: 40ppm STEL: 220 mg/m³ MAK: 20ppm MAK: 110 mg/m³</td>
<td>TWA: 25 ppm TWA: 140 mg/m³ STEL: 37.5 ppm STEL: 175 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pinenes 80-56-8</td>
<td>25 ppm NGV 150 mg/m³ NGV</td>
<td>TWA: 25 ppm TWA: 140 mg/m³ STEL: 37.5 ppm STEL: 175 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Derived No Effect Level (DNEL): No information available

Predicted No Effect Concentration (PNEC): No information available

8.2 Exposure Controls - Personal Protective Equipment

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye Protection: Tightly fitting safety goggles

Hand Protection: Protective gloves


Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene Measures: When using, do not eat, drink or smoke. Wash contaminated clothing before reuse. Provide regular cleaning of equipment, work area and clothing.

Environmental Exposure Controls: Do not allow material to contaminate ground water system.
### SECTION 9: Physical and Chemical Properties

**9.1 Information on Basic Physical and Chemical Properties**

**Physical State:** Liquid  
**Appearance:** Clear  
**Odor:** Reminiscent of carvone  
**Color:** Water white to pale yellow

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting / Freezing Point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling Point / Boiling Range</td>
<td>No data available</td>
<td>FCC Method</td>
</tr>
<tr>
<td>Flash Point</td>
<td>63 °C / 145 °F</td>
<td>Closed Cup</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
<td>FCC Method</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Upper / Lower Flammability limit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure mm Hg 20°C</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Relative Density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity @ 25C</td>
<td>0.9170 - 0.9340</td>
<td>FCC Method</td>
</tr>
<tr>
<td>Specific Gravity @ 20C</td>
<td>0.92 - 0.937</td>
<td>FCC Method</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.4840 - 1.4910</td>
<td>FCC Method</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
## SECTION 10: Stability and Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decomposition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity, Dynamic</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No information available</td>
</tr>
</tbody>
</table>

### 9.2 Other Information

- **VOC Content (%):** 22
- **Molecular Weight:** No information available

### SECTION 10: Stability and Reactivity

#### 10.1 Reactivity
No information available

#### 10.2 Chemical Stability
Stable under normal conditions

#### 10.3 Possibility of Hazardous Reactions
No information available

#### 10.4 Conditions to Avoid
Heat, flame, sparks.

#### 10.5 Incompatible Materials
No materials to be especially mentioned

#### 10.6 Hazardous Decomposition Products
None under normal use conditions

### SECTION 11: Toxicological Information

#### 11.1 Information on Toxicological Effects

- **Acute Toxicity**
  - **Inhalation:** There is no data available for this product
  - **Eye Contact:** There is no data available for this product
  - **Skin Contact:** There is no data available for this product
  - **Ingestion:** There is no data available for this product
  - **Acute Toxicity:** 18% of the mixture consists of ingredient(s) of unknown toxicity

  The following values are calculated based on chapter 3.1 of the GHS document (Rev. 1, 2005):
  - **Oral:** 1,949.00 mg/Kg
  - **Dermal:** 2,384.00 mg/Kg

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### 12. Toxicity

**Ecotoxicity Effects:**
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limonene</td>
<td>0.619-0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50</td>
<td>41: 48 h Daphnia magna mg/L LC50</td>
<td></td>
</tr>
<tr>
<td>Pinenes</td>
<td>0.28: 96 h Pimephales promelas mg/L LC50 static</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 12.2 Persistence and Degradability
No information available

### 12.3 Bioaccumulative Potential
No information available
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pinenes</td>
<td>4.1</td>
</tr>
</tbody>
</table>

### 12.4 Mobility in Soil
No information available

### 12.5 Results of PBT and vPvB Assessment
No information available

### 12.6 Other Adverse Effects
No information available

### SECTION 13: Disposal Considerations

#### 13.1 Waste Treatment Methods

**Waste from residues/unused products:** Dispose of in accordance with local regulations.

**Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other information:** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific Waste Codes should be assigned by the user based on the application for which the product was used.

### SECTION 14: Transport Information

#### 14.1 DOT

**IMDG/IMO**

**Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S. (Limonene, Pinenes)

**Hazard Class:** 9

**UN/ID No:** 3082

**Packing Group:** III

**Marine Pollutant:** This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

#### 14.2 ICAO / IATA
Not regulated
15.1. Safety, Health and Environmental Regulations/legislation Specific for the Substance or Mixture

**WGK Classification**

**International Inventories**
All of the components in the product are on the following Inventory lists: No information available, United States of America (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), China (IECSC), Japan (ENCS), Philippines (PICCS).

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Complies</th>
<th>ENCS</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PICCS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Legend**
- **TSCA:** United States Toxic Substances Control Act Section 8(b) Inventory
- **EINECS/ELINCS:** European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **DSL/NDSL:** Canadian Domestic Substances List/Non-Domestic Substances List
- **PICCS:** Philippines Inventory of Chemicals and Chemical Substances
- **ENCS:** Japan Existing and New Chemical Substances
- **IECSC:** China Inventory of Existing Chemical Substances
- **AICS:** Australian Inventory of Chemical Substances
- **KECL:** Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment
No data available.

16.1 Risk Combination Phrases
- **R50/53** - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **R51/53** - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
16.2 Full Text of H-statements Referred to under Sections 2 and 3

<table>
<thead>
<tr>
<th>H226: Flammable liquid and vapor</th>
<th>H302: Harmful if swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>H303: May be harmful if swallowed</td>
<td>H304: May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H313: May be harmful in contact with skin</td>
<td></td>
</tr>
<tr>
<td>H316: Causes mild skin irritation</td>
<td>H317: May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H400: Very toxic to aquatic life</td>
<td>H402: Harmful to aquatic life</td>
</tr>
<tr>
<td>H410: Very toxic to aquatic life with long lasting effects</td>
<td></td>
</tr>
</tbody>
</table>

**WARNING/DISCLAIMER:**
This ingredient(s) has not been tested, nor has it been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes or other similar devices (collectively “E-Cigarettes”). In supplying this ingredient, Majestic Mountain Sage instructs, and by receiving the ingredient recipient confirms, that this ingredient will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof.

Notes: The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.