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

1.1 Product Name: Peppermint Essential Oil
Product Code: 302-502X

1.2 Recommended 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
   - Acute oral toxicity Category 4
   - 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
Xi - Irritant
N - Dangerous for the environment
2.2 Label Elements

Signal Word: Warning

Hazard Statements
H227 Combustible liquid
H302 Harmful if swallowed
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)
P403 + P235 Store in a well-ventilated place. Keep cool.
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>Menthols</td>
<td>218-690-9</td>
<td>2216-51-5</td>
<td>30-50%</td>
<td>XI; R38</td>
<td>No date available</td>
</tr>
<tr>
<td>Menthones</td>
<td>237-926-1</td>
<td>14073-97-3</td>
<td>20-30%</td>
<td>R52/53</td>
<td>No data available</td>
</tr>
</tbody>
</table>
### SECTION 4: First Aid Measures

#### 4.1 Description of First Aid Measures

**General Advice:**
If symptoms persists, call a physician.

**Eye Contact:**
Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

<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>Menthofuran</td>
<td>207-795-5</td>
<td>494-90-6</td>
<td>1-5%</td>
<td>XN; R22, XI; R38, N; R51/53</td>
<td>Aquatic Acute 2 (H401) Eye Irrit. 1 (H319) Skin Irrit. 2 (H316) Aquatic Chronic 2 (H411) Acute Tox. 4 (H302)</td>
</tr>
<tr>
<td>Pulegone</td>
<td>201-943-2</td>
<td>89-82-7</td>
<td>1-5%</td>
<td>XN; R22</td>
<td>Skin Irrit. 3 (H316) Acute Tox. 4 (H302) Acute Tox. 5 (H313) Flam. Liq. 4 (H227)</td>
</tr>
<tr>
<td>L-Limonene</td>
<td>227-815-6</td>
<td>5989-54-8</td>
<td>1-5%</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>
</tbody>
</table>

For the full text of the R-phrases mentioned in this Section, see Section 16
**Skin Contact:**
Wash off immediately with soap and plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash contaminated clothing before reuse. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Ingestion:**
Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

**Inhalation:**
Move to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

**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

Special Hazard: None

5.3 Advice for Firefighters

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

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Use personal protective equipment. Avoid contact with eyes and skin. 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. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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)

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling
Use personal protective equipment as required. Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Do not breathe dust/fume/gas/ mist/vapors/spray. 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
Other Guidelines: 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>Austria</th>
<th>Sweden Occupational Exposure Limits TLVs (LLVs)</th>
<th>Switzerland</th>
<th>Poland</th>
<th>Norway</th>
</tr>
</thead>
</table>
| L-Limonene 5989-54-8 |         |                                               |             |        | TWA: 25 ppm  
|                 |         | TWA: 140 mg/m³  
|                 |         | STEL: 37.5 ppm  
|                 |         | STEL: 175 mg/m³ |

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:** Typical of mint
- **Color:** Colorless 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>71 °C / 160 °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>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure mm Hg 20°C</td>
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<td></td>
</tr>
<tr>
<td>Vapor Density</td>
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<td></td>
</tr>
<tr>
<td>Relative Density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity @ 25C</td>
<td>0.8960 - 0.9080</td>
<td>FCC Method</td>
</tr>
<tr>
<td>Specific Gravity @ 20C</td>
<td>0.8990 - 0.9110</td>
<td>FCC Method</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.4590 - 1.4650</td>
<td>FCC Method</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
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: 11% 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: 500 mg/Kg
Skin Corrosion/Irritation: No information available
Eye Damage/Irritation: No information available
Sensitization: No information available
Germ Cell Mutagenicity: No information available
Carcinogenicity: No information available

Specific Target Organ Systemic: No information available
Toxicity Single Exposure: No information available
Specific Target Organ Systemic: No information available
Toxicity Repeated Exposure: No information available
Target Organ Effects: No information available
Aspiration Hazard: No information available

SECTION 12: Ecological Information

12.1 Toxicity

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

12.2 Persistence and Degradability No information available

12.3 Bioaccumulative Potential No information available

12.4 Mobility in Soil No information available

12.5 Results of PBT and vPvB Assessment No information available

12.6 Other Adverse Effects Endocrine Disruptor Information.

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.

<table>
<thead>
<tr>
<th>SECTION 14: Transport Information</th>
</tr>
</thead>
</table>

### 14.1 DOT/ADR
- **UN/ID No:** Not regulated (If shipped in NON-BULK packaging by ground transport)
- **Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S. (Limonene)
- **Hazard Class:** 9
- **Packing Group:** III
- **ERG Code:** 171

### 14.2 IMDG/IMO
- **Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S. (Limonene)
- **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

### 14.3 ICAO / IATA
- **UN/ID No:** 3082
- **Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S. (Limonene)
- **Hazard Class:** 9
- **Packing Group:** III
- **Marine Pollutant:** P
SECTION 15: Regulatory Information

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></th>
<th>TSCA</th>
<th>EINECS/ELINCS</th>
<th>DSL/NDSL</th>
<th>PICCS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENCS</td>
<td>IECSC</td>
<td>AICS</td>
<td>KECL</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.

SECTION 16: Other Information

16.1 Risk Combination Phrases
R52/53 - Harmful 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.
R50/53 - Very 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

H226: Flammable liquid and vapor
H302: Harmful if swallowed
H316: Causes mild skin irritation
H317: May cause an allergic skin reaction
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects

H227: Combustible liquid
H304: May be fatal if swallowed and enters airways
H319: Causes serious eye irritation
H401: Toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects

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.