SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1  Product name: Helichrysum Essential Oil  
    Product code: 302-133X

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

<table>
<thead>
<tr>
<th></th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage / eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements

2.2  Label Elements

[Diagram with warning and flammable symbols]

Signal Word: Warning

Appearance: Clear  
Physical State: liquid  
Odor: warm spicy aromatic

2.3  Hazard Statements
Causes serious eye irritation
May cause an allergic skin reaction
Flammable liquid and vapor

If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical advice/attention.
If skin irritation or rash occurs:
Wash contaminated clothing before reuse.
If on skin or hair: Immediately remove / take off all contaminated clothing.
Rinse skin with water / shower.
In case of fire: Use CO2, dry chemical or foam for extinction

2.4 Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool.

2.5 Precautionary Statements - Disposal
Dispose of contents / container to an approved waste disposal plant.

2.6 Hazards not otherwise classified (HNOC)
Other information
May be harmful if swallowed
May be harmful in contact with skin
Causes mild skin irritation
Toxic to aquatic life with long lasting effects
Toxic to aquatic life

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pinenes</td>
<td>80-56-8</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Limonene</td>
<td>5989-27-5</td>
<td>1 - 5%</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 First aid measures for different exposure routes
General Advice: If symptoms persist, call a physician
Eye contact: 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. If symptoms
SECTION 5: Firefighting measures

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

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

Ingestion: Clean mouth with water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.

Self-protection of the first aider: Use personal protective equipment.

4.2 Most important symptoms/effects, acute and delayed
Main Symptoms: Hives

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Note to physicians: Treat symptomatically

SECTION 5: Firefighting measures

5.1 Suitable Extinguishing media
Use Dry chemical. Carbon dioxide CO2. Alcohol-resistant foam

5.2 Unsuitable Extinguishing media
Decomposition by contact with water may generate vapors which can be ignited by heat or open flame.

5.3 Special hazards arising from the chemical
Keep product and empty container away from heat and sources of ignition. Risk of ignition.

5.4 Explosion data
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: Yes

5.5 Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
   Personal precautions: Evacuate personnel to safe areas. Keep people away from and upwind of spill / leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. Use personal protective equipment.

6.2 Environmental precautions
   Environmental precaution: 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
   Methods for containment: Prevent further leakage or spillage if safe to do so.
   Methods for cleaning up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
   Advice on safe handling: 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. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge, which might cause ignition of organic vapors.

7.2 Conditions for safe storage, including any incompatibilities
   Storage Conditions: Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.
   Incompatible products: None known based on information supplied.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Exposure Guidelines: 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>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pinenes 80-56-8</td>
<td>TWA: 20 ppm</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

8.3 Individual protection measures, such as personal protective equipment
Eye / face protection: Tightly fitting safety goggles.
Skin and body protection: Chemical resistant apron
Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene considerations: When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

SECTION 9: Physical and chemical properties

9.1 Physical and chemical properties
Physical State: liquid
Appearance: clear
Odor: warm spicy aromatic
Color: pale yellow to amber

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>48°C / 119°F</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
</tr>
</tbody>
</table>
### SECTION 10: Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure mm Hg 20°C</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific gravity @ 25°C</td>
<td>0.884 - 0.917</td>
</tr>
<tr>
<td>Specific gravity @ 20°C</td>
<td>0.887 - 0.92</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.471 - 1.4921</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Practically insoluble</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity, kinematic</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>
<tr>
<td><strong>Other Information</strong></td>
<td>No information available</td>
</tr>
<tr>
<td>Softening point</td>
<td>No information available</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>No information available</td>
</tr>
<tr>
<td>Density Value</td>
<td>No information available</td>
</tr>
<tr>
<td>Bulk Density Value</td>
<td>No information available</td>
</tr>
</tbody>
</table>

### SECTION 10: Stability and reactivity

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1 Reactivity</td>
<td>No data available</td>
</tr>
<tr>
<td>10.2 Chemical stability</td>
<td>Stable under recommended storage conditions</td>
</tr>
<tr>
<td>10.3 Possibility of hazardous reactions</td>
<td>None under normal processing</td>
</tr>
<tr>
<td>10.4 Conditions to avoid</td>
<td>Heat, flames and sparks</td>
</tr>
<tr>
<td>10.5 Incompatible Materials</td>
<td>None known based on information supplied</td>
</tr>
<tr>
<td>10.6 Hazardous Decomposition Products</td>
<td>None known based on information supplied</td>
</tr>
</tbody>
</table>

### SECTION 11: Toxicological information

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>There is no data available for this product</td>
</tr>
<tr>
<td>Eye contact</td>
<td>There is no data available for this product</td>
</tr>
<tr>
<td>Skin contact</td>
<td>There is no data available for this product</td>
</tr>
<tr>
<td>Ingestion</td>
<td>There is no data available for this product</td>
</tr>
</tbody>
</table>

Product Information: Product does not present an acute toxicity hazard based on known information.
### 11.2 Information on toxicological effects

**Symptoms:** No information available

### 11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

- **Sensitization:** No information available
- **Germ Cell Mutagenicity:** No information available
- **Carcinogenicity:** This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limonene 5989-27-5</td>
<td>Group 3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IARC (International Agency for Research on Cancer)
Group 3 - Not classified as to Carcinogenicity in Humans

- **Reproduce toxicity:** No information available
- **Specific target organ systemic toxicity (single exposure):** No information available
- **Specific target organ systemic toxicity (repeated exposure):** No information available
- **Aspiration hazard:** No information available

### 11.4 Numerical measures of toxicity - Product Information

The following values are calculated based on Chapter 3.1 of the GHS document.
mg/kg

### SECTION 12: Ecological information

#### 12.1 Ecotoxicity

Toxic to aquatic life with long lasting effects. 90% of the mixture consists of components of unknown hazards to the aquatic environment.

#### 12.2 Persistence and degradability

No information available
12.3 Bioaccumulation  
No information available

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pinenes, 80-56-8</td>
<td>4.1</td>
</tr>
</tbody>
</table>

12.4 Other adverse effects  
No information available

SECTION 13: Disposal considerations

13.1 Waste treatment
Waste Disposal Methods: It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.
Contaminated packaging: Do not reuse container.
US EPA Waste Number: D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limonene, 5989-27-5</td>
<td>Toxic</td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

14.1 Transport Information

**DOT**
UN / ID No: 1993
Proper shipping name: Flammable Liquid, N.O.S. (Limonene, Pinenes)
Hazard Class: 3
Packing Group: III
ERG Code: 128

**ICAO / IATA**
UN / ID No: 1993
Proper shipping name: Flammable Liquid, N.O.S. (Limonene, Pinenes)
Hazard Class: 3
Packing Group: III
ERG Code: 128

**IMDG / IMO**
UN / ID No: 1993
Proper shipping name: Flammable Liquid, N.O.S. (Limonene, Pinenes)
Hazard Class: 3
Packing Group: III
Marine pollutant: This product contains a chemical which is listed as a marine pollutant according to IMDG / IMO.

SECTION 15: Regulatory information

15.1 International Inventories
TSCA: Complies
DSL / NDSL: Complies
EINECS / ELINCS: Complies
ENCS: Complies
IECSC: Complies
KECL: Complies
PICCS: Complies
AICS: Complies

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

15.3 U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311 / 312 Hazard Categories
Acute Health Hazard: Yes
Chronic Health Hazard: No
Fire Hazard: Yes
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

Clean Water Act
This product does not contain any substances regulated as pollutants.
pursuant to the Clean Water Act (40 CFR 122.21 AND 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA)(40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA)(40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

15.4 U.S. State Regulations

California Proposition 65
This product is not, to the best of our knowledge, subject to the labeling requirements under California Proposition 65.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pinenes, 80-56-8</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. EPA Label information
No information available

SECTION 16: Other information

16.1 Other Information

NFPA
Health Hazard: 0
Flammability: 2
Instability: 0
Physical and chemical hazards*

HMIS
Health Hazard: 0
Flammability: 2
Physical Hazard: 0
Personal protection b

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.

SDS Helichrysum Essential Oil, 302-133X
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