

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

- 1.1 Product Name:** Rosemary Essential Oil
Product Code: 302-509X
- 1.2 Intended Use:** Compound used in customer substance/mixture/product.
- 1.3 Supplier:** Majestic Mountain Sage Inc
2490 S 1350 W
Nibley, Utah 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

| | |
|---------------------------------------|---|
| Flammable Liquids, Category 3 | H226: Flammable liquid and vapor. |
| Acute Oral Toxicity, Category 5 | H303: May be harmful if swallowed. |
| Skin Corrosion/Irritation, Category 3 | H316: Causes mild skin irritation. |
| Skin Sensitization, Category 1 | H317: May cause an allergic skin reaction. |
| Eye Damage/Irritation, Category 2 | H319: Causes serious eye irritation. |
| Acute Inhalation Toxicity, Category 3 | H331: Toxic if inhaled. |
| Acute Aquatic Toxicity, Category 1 | H400: Very toxic to aquatic life. |
| Chronic Aquatic Toxicity, Category 1 | H410: Very toxic to aquatic life with long lasting effects. |

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.

Symbol(s): Xn - Harmful
N - Dangerous for the environment

2.2 Label Elements, Including Precautionary Statements

Hazard Pictograms



Signal Word: Danger.

Hazard Statements

| | |
|------|---|
| H226 | Flammable liquid and vapor. |
| H303 | May be harmful if swallowed. |
| H316 | Causes mild skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Precautionary Statements

| | |
|-----------|---|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
| P280 | Wear eye protection/face protection. |
| P370+P378 | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |

2.3 Hazards Not Otherwise Classified (HNOC) and Other Information

No information available.

SECTION 3: Composition/Information on Ingredients**3.1 Substances**

| Chemical Name | EC Number | CAS Number | Weight % | Classification |
|----------------------|------------------|-------------------|-----------------|---|
| Pinenes | 201-291-9 | 80-56-8 | 15-20% | H226; H303; H304; H315; H317; H400; H410 R10, XI; R43, N; R50/53, XN; R65; |
| Camphor | 207-355-2 | 464-49-3 | 5-10% | H228; H303; H316; H332; H371; H402 R11, XN; R20, XN; R68/22; |
| Camphene | 201-234-8 | 78-92-5 | 5-10% | H228; H316; H319; H400; H410 R11, XI; R36, N; R50/53; |
| Limonene | 227-813-5 | 5959-27-5 | 1-5% | H226; H304; H316; H317; H400; H410 R10, XI; R38, XI; R43, N; R50/53; |
| A-Terpineol | 202-680-6 | 98-55-5 | 1-5% | H227; H303; H315; H319 XI; R38 |
| Myrcene | 204-622-5 | 123-35-3 | 1-5% | H304; H315; H319 |
| P-Cymene | 202-795-7 | 99-87-6 | 1-5% | H226; H303; H304; H316; H401; H411 R10, N; R51/53, XN; R65; |
| Linalool | 201-134-4 | 78-70-6 | 1-5% | H227; H303; H315; H402 XI; R38 |

For the full text of the R-Phrases and H-Statements, see Section 16.

SECTION 4: First Aid Measures**4.1 Description of First Aid Measures**

General Advice: Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance. 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 eyes wide open while rinsing. If symptoms persist, call a physician. |
| 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. |
| Ingestion: | Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |
| Inhalation: | Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician. |
| Self Protection of the First Aider: | Remove all sources of ignition. Use personal protective equipment. |

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Main Symptoms: No information available.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically. May cause sensitization in susceptible persons.

| |
|---|
| SECTION 5: Firefighting Measures |
|---|

5.1 Extinguishing Media

Suitable: Use dry chemical, Carbon Dioxide (CO₂), alcohol-resistant foam.

Unsuitable: Do not use solid water stream as it may scatter and spread fire.

5.2 Special Hazards Arising from the Substance or Mixture

No information available.

5.3 Protective Equipment and Precautions for Firefighters

As in any fire, wear a 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

Evacuate personnel to safe areas. Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.3 Methods and Material for Containment and Cleaning Up

Containment: Prevent further leakage or spillage if safe to do so.

Cleaning Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. 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

Keep tightly closed in a dry, cool, and well-ventilated place. Keep away from heat. Keep in properly labeled containers. Keep out of reach of children.

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.

| Chemical Name | European Union | The United Kingdom | France | Spain | Germany |
|-----------------------|----------------|--------------------|---|---|---|
| Pinenes 80-56-8 | | | | VLA-ED: 20 ppm VLA-ED: 113 mg/m ³ | |
| Camphene 79-92-5 | | | TWA: 1000 mg/m ³ STEL: 1500 mg/m ³ | | |
| Limonene 5989-27-5 | | | | | MAK: 20 ppm MAK: 110 mg/m ³ Ceiling/Peak: 40 ppm Ceiling/Peak: 220 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³ |
| Myrcene 123-35-3 | | | TWA: 1000 mg/m ³ STEL: 1500 mg/m ³ | | |

| Chemical Name | Italy | Portugal | The Netherlands | Finland | Denmark |
|-----------------------|-------|-------------|-----------------|--|---|
| Pinenes 80-56-8 | | TWA: 20 ppm | | | |
| Limonene 5989-27-5 | | | | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³ | |
| P-Cymene 99-87-6 | | | | | TWA: 25 ppm TWA: 135 mg/m ³ |

| Chemical Name | Austria | Sweden | Switzerland | Poland | Norway |
|-----------------------|---------|--|--|--------|--|
| Pinenes 80-56-8 | | 25 ppm NGV 150 mg/m ³ NGV | | | TWA: 25 ppm TWA: 140 mg/m ³ Skin STEL 37.5 ppm STEL 175 mg/m ³ |
| Limonene 5989-27-5 | | | STEL: 40 ppm STEL: 220 mg/m ³ MAK: 20 ppm MAK: 110 mg/m ³ | | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³ |
| Myrcene 123-35-3 | | | | | TWA: 40 ppm TWA: 275 mg/m ³ STEL: 60 ppm STEL: 343.75 mg/m ³ |
| P-Cymene 99-87-6 | | 25 ppm NGV 140 mg/m ³ NGV | | | |

Derived No Effect Level (DNEL):

No information available.

Predicted No Effect Concentration (PNEC): No information available.

8.2 Exposure Controls

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

8.3 Personal Protective Equipment

Eye/Face Protection: Tightly fitting safety goggles

Skin and Body Protection: Protective gloves. Antistatic boots. Wear fire/flame resistant/retardant clothing. Chemical resistant apron. Long sleeved clothing.

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

General Hygiene Considerations: When using, do not eat, drink or smoke. Wash contaminated clothing before reuse. Provide regular cleaning of equipment, work area and clothing. 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 @ 20°C: | Liquid |
| Appearance: | Clear |
| Odor: | Aromatic |
| Odor Threshold: | No information available |
| Color: | Colorless to pale yellow |
| pH: | No information available |
| Melting Point/Range: | No information available |
| Freezing Point: | No information available |
| Initial Boiling Point: | No information available |
| Boiling Point/Range: | No information available |
| Flash Point: | 104°F / 40°C |
| Evaporation Rate: | No information available |
| Flammability Limits in Air: | No information available |
| Explosive Properties: | No information available |
| Oxidizing Properties: | No information available |
| Vapor Pressure @ 20°C: | No information available |

| | |
|-----------------------------------|--------------------------|
| Vapor Density: | No information available |
| Specific Gravity @ 25°C: | 0.894 - 0.912 |
| Specific Gravity @ 20°C: | 0.897 - 0.915 |
| Refractive Index: | 1.464 - 1.476 |
| Water Solubility: | No information available |
| Solubility: | No information available |
| Partition Coefficient: | No information available |
| Autoignition Temperature: | No information available |
| Decomposition Temperature: | No information available |
| Viscosity, Dynamic: | No information available |
| Molecular Weight: | No information available |
| VOC Content (%): | 24.2000000476837 |

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, flames and 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 and Likely Routes of Exposure

| | |
|------------------------|--|
| 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: | 7.8% of the mixture consists of ingredient(s) of unknown toxicity. |

The following values are calculated bases on Chapter 3.1 of the GHS document.

Oral: 3,150.00 mg/kg
 Dermal: 11,964.00 mg/kg
 Inhalation:
 Vapor: 5.01 mg/l

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

SECTION 12: Ecological Information

12.1 Ecotoxicity

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

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Daphnia and Other Aquatic Invertebrates |
|---------------|---|---|---|
| Pinenes | | 0.28: 96 h Pimephales promelas mg/L LC50 static | 41: 48 h Daphnia magna mg/L LC50 |
| Camphene | 1000: 72 h Desmodemus subspicatus mg/L EC50 | 0.72: 96 h Brachydanio rerio mg/L LC50 flow-through 150: 96 h Brachydanio rerio mg/L LC50 static | 22: 48 h Daphnia magna mg/L EC50 |
| Limonene | | 0.619-0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50 | |

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Daphnia and Other Aquatic Invertebrates |
|---------------|--|---|---|
| Linalool | 88.3: 96 h Desmodesmus subspicatus mg/L EC50 | 22-46: 96 h Leuciscus idus mg/L LC50 static | 20: 48 h Daphnia magna mg/L EC50 |

12.2 Persistence and Degradability

No information available.

12.3 Bioaccumulative Potential

No information available.

| Chemical Name | log Pow |
|---------------|---------|
| Pinenes | 4.1 |
| P-Cymene | 4.1 |
| Linalool | 3.1 |

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 Disposal Methods:

Dispose of in accordance with local regulations.

Contaminated Packaging:

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

SECTION 14: Transport Information

14.1 Transport Information

DOT

Not regulated. (If shipped in NON BULK packaging by ground transport.)
UN/ID No: 1993
Proper Shipping Name: Flammable Liquid, N.O.S. (Pinenes, Limonene)
Hazard Class: 3
Packing Group: III
ERG Code: 128

IMDG/IMO

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

ICAO/IATA

UN/ID No: 1993
Proper Shipping Name: Flammable Liquid, N.O.S. (Pinenes, Limonene)
Hazard Class: 3
Packing Group: III
Marine Pollutant: P

SECTION 15: Regulatory Information

15.1 International Regulations

WGK Classification

| Chemical Name | Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes |
|----------------------|--|
| Camphor 464-49-3 | Hazard Class 1 |
| Linalool 78-70-6 | Hazard Class 1 |

International Inventories

| | |
|-----------------------|----------|
| TSCA: | Complies |
| DSL/NDSL: | Complies |
| EINECS/ELINCS: | Complies |
| ENCS: | Complies |
| IECSC: | Complies |
| KECL: | - |
| PICCS: | Complies |
| AICS: | Complies |

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 Substance

IECSC: China Inventory of Existing chemical Substances

KECL: Korean Existing and Evaluated Chemical Substances

PICCS: Philippines Inventory of Chemicals and Chemical Substances

AICS: Australian Inventory of Chemical Substances

SECTION 16: Other Information

16.1 Full Text of H-Statements Referred to Under Sections 2 and 3

H226: Flammable liquid and vapor.

H227: Combustible liquid.

H228: Flammable solid.

H303: May be harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H316: Causes mild skin irritation.

H332: Harmful if inhaled.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

H371: May cause damage to organs.

H402: Harmful to aquatic life.

H401: Toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

H410: Very toxic to aquatic life with long lasting effects.

16.2 Full Text of Risk Combination Phrases

R10: Flammable.

R20: Harmful by inhalation.

R38: Irritating to skin.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R11: Highly flammable.

R36: Irritating to eyes.

R43: May cause sensitization by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H68/22: Harmful: possible risk of irreversible effects if swallowed.

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:

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.