



# LIBERTY NATURAL PRODUCTS, INC.

*The Source for the Finest  
Pure and Natural Botanical Oils and Extracts*

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## Section 1. Product and Company Identification

<b>Product Name:</b>	Helichrysum
<b>Product Code:</b>	888
<b>Description:</b>	Essential Oil of the Helichrysum
<b>Product Use:</b>	Industrial
<b>Manufacturer:</b>	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
<b>Emergency Phone:</b>	USA, Canada, Mexico: 1-800-535-5053 International: 1-352-323-3500

## Section 2. Hazards Identification

<b>Category:</b>	H226 Flammable liquid and vapor.
<b>Signal Word:</b>	Danger
<b>Ingestion:</b>	H304 May be fatal if swallowed and enters airways.
<b>Health Risks:</b>	N/A
<b>Eye Contact:</b>	H319 Causes eye irritation.
<b>Skin Contact:</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
<b>Environmental:</b>	H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

### Pictograms:



### PRECAUTIONARY STATEMENT:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.
- P233 Keep container tightly closed.
- P240 Ground and bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment etc.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharges.
- P261 Avoid breathing mist or vapor.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.

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P273 Avoid release to the environment.  
P280 Wear protective gloves/eye protection/face protection.  
P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P303 + 361 +353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).  
P331 Do NOT induce vomiting.  
P333 + 313 If skin irritation or rash occurs: Get medical advice/attention.  
P370+P378 In case of fire: Use foam, dry powder or carbon dioxide for extinction.  
P391 Collect spillage.  
P403 + 235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Section 3. Composition and Information on Ingredients

<b>Chemical Name:</b>	<i>Helichrysum Italicum</i>
<b>Physical State:</b>	Liquid.
<b>CAS #:</b>	90045-56-0
<b>Impurities:</b>	None.
<b>Trade Secret Claim:</b>	None.

### Section 4. First Aid Measures

<b>Eyes:</b>	Rinse eyes immediately with running water at low pressure. Consult an ophthalmologist.
<b>Skin Contact:</b>	Take off immediately all contaminated clothing. Wash skin thoroughly with soap and warm water for several minutes. Get medical attention if irritation develops and persists.
<b>Inhalation:</b>	Supply fresh air and contact a doctor. In case of unconsciousness, place patient stably in side position for transportation.
<b>Ingestion in excess:</b>	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.
<b>Emergency Care:</b>	Contact local emergency provider. For non-emergency, contact primary care provider. Most important symptoms and effects, both acute and delayed. May produce an allergic reaction. Treat according to symptoms.
<b>PPE:</b>	Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

### Section 5. Fire-Fighting Measures

<b>Flammability:</b>	Flammable.
<b>Extinguishing Media:</b>	SUITABLE: Fog, CO <sub>2</sub> , dry chemical, or alcohol resistant foam NON SUITABLE: Water.

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**Special Fire-Fighting Procedure:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.

**Unusual Fire and Explosion Hazards:** Vapor may travel to source of ignition and flash back. Vapor may settle low or in confined spaces. May produce a floating fire hazard. Static ignition hazard can result from handling and use. Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion when present on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils. Carbon oxides are produced when burning.

**PPE and Precautions for Firefighters:** Static charges generated by emptying package in or near flammable vapor may cause flash fire. Use water spray to cool unopened containers. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

## Section 6. Accidental Release Measures

**Personal Precautions:** Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.

**Containment:** Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.

**Clean Up:** Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. The product is immiscible with water and will spread on the water surface. If the spill is small, wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return

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spills in original containers for re-use. This material and its container must be disposed of as hazardous waste.

## Section 7. Handling and Storage

<b>Handling Precautions:</b>	Avoid contact with eyes and mucous. Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Smoking, eating and drinking should be prohibited in application area. Avoid prolonged exposure. Wash thoroughly after handling. Handle containers with care. Open slowly in order to control possible pressure release.
<b>Storage Precautions:</b>	Keep container closed. Store in a cool, well-ventilated area. Protect from light and potential sources of ignition. Store separated from foodstuff or animal food.
<b>Other:</b>	See Section 8

## Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls:</b>	Exhaust ventilation or other engineering controls to keep vapor concentration below their respective threshold limit value. Ensure eyewash stations and safety showers are proximal to the work station. Use explosion-proof ventilation equipment to stay below exposure limits.
<b>Respiratory Protection:</b>	Chemical respirator with organic vapor cartridge and full face piece.
<b>Hand Protection:</b>	Plastic or synthetic rubber impermeable gloves. Chemical resistant gloves.
<b>Eye Protection:</b>	Goggles giving complete protection to eyes. Eyewash bottle with clean water.
<b>Skin and Body Protection:</b>	Clothes for chemical protection to avoid contact. Use of an impervious apron is recommended. Wear appropriate thermal protective clothing, when necessary
<b>Ingestion:</b>	Do not eat, drink and smoke while using
<b>Industrial Hygiene:</b>	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
<b>OSHA Permissible Exposure Limits (PELs):</b>	N/A
<b>ACGIH Threshold Limit Values:</b>	N/A

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## Section 9. Physical and Chemical Properties

**Appearance:** Pale yellow to yellow liquid

**Upper/Lower Flammability:** N/A

**Odor:** Floral, sweet odor

**Vapor Pressure:** N/A

**Odor Threshold:** N/A

**Vapor Density:** N/A

**pH:** N/A

**Relative Density:** 0.880 – 0.905 g/cm<sup>3</sup>

**Melting Point:** N/A

**Freezing Point:** N/A

**Solubility:** Insoluble

**Initial Boiling Point and Boiling Range:** N/A

**Flash Point:** 104°F / 40°C

**Evaporation Rate:** N/A

**Flammability Category:** N/A

**Partition Coefficient:** N/A

**Auto-ignition Temperature:** Product is not self-igniting

**Decomposition Temperature:** N/A

**Viscosity:** N/A

**Specific Gravity:** N/A

## Section 10. Stability and Reactivity

**Stability:** Stable under normal circumstances. Avoid heat and ignition sources.

**Avoid:** Avoid heat, direct sunlight, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Avoid contact with strong oxidizing agents.

**Incompatibility:** Strong oxidizing agents.

**Hazardous Byproducts:** None in normal conditions

**Other:** No hazardous decomposition products if stored and handled as indicated.

## Section 11. Toxicological Information

**Toxicological and Health Effects:** Nontoxic at established levels.

**Likely Routes of Exposure:** Eyes, nose, mouth, skin.

**Signs and Symptoms of Exposure:** Skin irritation. May cause redness and pain. May cause an allergic skin reaction, dermatitis or rash.

**LD50 (median lethal dose):**  
(oral, rat) 4,400 mg/kg  
(dermal, rabbit) 5,000 mg/kg

**Listed NTP Carcinogen:** N/A

**INGESTION:** N/A

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## Section 12. Ecological Information

<b>TOXICITY:</b>	Harmful to aquatic life with long lasting effects.
<b>PERSISTENCE / DEGRADABILITY:</b>	No data is available on the degradability of this product.
<b>BIOACCUMULATION POTENTIAL:</b>	No information available.
<b>RESULTS OF PBT AND vPvB ASSESSMENT:</b>	No information available.
<b>MOBILITY IN SOIL:</b>	No information available.
<b>OTHER ADVERSE EFFECTS:</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section 13. Disposal Considerations

<b>Disposal Containers:</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>Waste Disposal:</b>	Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Special Considerations:</b>	Dispose of spill containment material in accordance with Federal, State, and local laws.

## Section 14. Transport Information

<b>UN Number:</b>	UN 1993
<b>UN Shipping Name:</b>	Flammable liquid, n.o.s. (alpha-Pinene, Dipentene)
<b>Transport Hazard Class:</b>	3
<b>Packing Group Number:</b>	III
<b>Stowage and Handling:</b>	N/A

## Section 15. Regulatory Information

<b>Product Regulations:</b>	N/A
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## Section 16. Other Information

<b>Last Revised:</b>	1/15/2021	<b>Initial of Editor:</b> SAM
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*This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.*

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