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LIBERTY NATURAL PRODUCTS, INC.

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

Section 1. Product and Company Identification

Product Name:	Rosemary Wild
Product Code:	1857
Description:	Essential Oil of Wild Rosemary
Product Use:	Industrial
Manufacturer:	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
Emergency Phone:	USA, Canada, Mexico: 1-800-535-5053 International: 1-352-323-3500

Section 2. Hazards Identification

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

Pictograms:



PRECAUTIONARY STATEMENT:

- P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical, ventilating, lighting, communication, equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust, fume, gas, mist, vapors, spray.
- P264 Wash parts in contact thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing, eye protection, face protection.
- P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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P302 + 352 IF ON SKIN: Wash with plenty of soap and water.
P303 + 361 + 353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P331 Do NOT induce vomiting.
P333 + 313 If skin irritation or rash occurs: Get medical advice.
P362 Take off contaminated clothing and wash before reuse.
P370 + 378 In case of fire: Use CO₂ foam, dry chemical for extinction.
P391 Collect spillage.
P403 + 235 Store in well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.

Section 3. Composition and Information on Ingredients

Chemical Name:	<i>Eriocephalus racemosus</i>
Physical State:	Liquid.
CAS #:	8000-25-7
Impurities:	None.
Trade Secret Claim:	None.

Section 4. First Aid Measures

Eyes:	Rinse eyes immediately with plenty of water for at least ten minutes. If any sign of tissue damage or persistent irritation is apparent, obtain medical advice immediately.
Skin Contact:	Remove contaminated clothing, wash before reuse. Wash off skin immediately with plenty of water, using soap if available. If any sign of tissue damage or persistent irritation is apparent obtain medical advice immediately.
Inhalation:	In case of excessive inhalation remove the person to fresh air and keep at rest in a comfortable position. Obtain medical advice immediately.
Ingestion in excess:	The substance may cause lung damage if swallowed – do not induce vomiting – seek medical advice immediately.
Emergency Care:	Contact local emergency provider. For non-emergency, contact primary care provider.
PPE:	Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

Section 5. Fire-Fighting Measures

Flammability:	Flammable.
Extinguishing Media:	SUITABLE: CO ₂ , dry chemical or alcohol resistant foam NON SUITABLE: Water.
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,

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SCBA. Structural firefighter's 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.

PPE and Precautions for Firefighters: Static charges generated by emptying package in or near flammable vapor may cause flash fire. Avoid inhalation of smoke and fumes. In case of insufficient ventilation wear suitable respiratory equipment.

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. Good personal washing routines should be followed after accidental release. Ensure adequate ventilation in working areas following accidental release.

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.

Section 7. Handling and Storage

Handling Precautions: Handle in accordance with good occupational hygiene and safety practices in a well-ventilated area. Avoid direct

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contact with skin and eyes. Depending on working conditions, this may include wearing of eye protection and protective clothing such as PVC gloves and suitable overalls. Avoid breathing vapors especially if the material is hot.

Storage Precautions: Keep container closed and store in a cool and dark place, recommend below 10 °C

Other: See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls: 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.

Respiratory Protection: Where ventilation may be inadequate, wear self-contained breathing apparatus.

Hand Protection: Plastic or synthetic rubber impermeable gloves. Chemical resistant gloves.

Eye Protection: Goggles giving complete protection to eyes. Eyewash bottle with clean water.

Skin and Body Protection: Clothes for chemical protection to avoid contact. Use of an impervious apron is recommended.

Ingestion: Do not eat, drink and smoke while using

Industrial Hygiene: 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.

OSHA Permissible Exposure Limits (PELs): N/A

ACGIH Threshold Limit Values: N/A

Section 9. Physical and Chemical Properties

Appearance: Pale yellow liquid

Upper/Lower Flammability: Will ignite if moderately heated

Odor: Strong, sweet and floral notes

Vapor Pressure: N/A

Odor Threshold: N/A

Vapor Density: N/A

pH: N/A

Relative Density: N/A

Melting Point: N/A

Freezing Point: N/A

Solubility: Insoluble

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Initial Boiling Point and Boiling Range: 356°F / 180°C

Flash Point: 140°F / 60°C

Evaporation Rate: N/A

Flammability Category: N/A

Partition Coefficient: N/A

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity: N/A

Specific Gravity: 0.886 at 20°C

Section 10. Stability and Reactivity

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

Avoid: Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

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): N/A

Listed NTP Carcinogen: N/A

INGESTION: Can be noxious

Section 12. Ecological Information

TOXICITY: Harmful to aquatic life with long lasting effects.

PERSISTENCE / DEGRADABILITY: No data is available on the degradability of this product.

BIOACCUMULATION POTENTIAL: No information available.

RESULTS OF PBT AND vPvB

ASSESSMENT: No information available.

MOBILITY IN SOIL: No information available.

OTHER ADVERSE EFFECTS: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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Section 13. Disposal Considerations

Disposal Containers: 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.

Waste Disposal: 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.

Special Considerations: Dispose of spill containment material in accordance with Federal, State, and local laws.

Section 14. Transport Information

UN Number: UN1197

UN Shipping Name: Extracts, liquid for flavour or aroma

Transport Hazard Class: 3

Packing Group Number: III

Stowage and Handling: N/A

Section 15. Regulatory Information

Product Regulations: N/A

Section 16. Other Information

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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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