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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:	Organic Rosemary
Product Code:	9013
Description:	Essential Oil of 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:	Warning
Ingestion:	H304 May be fatal if swallowed and enters airway.
Health Risks:	H371 May cause damage to organs.
Eye Contact:	N/A
Skin Contact:	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
Environmental:	H401 Toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

Pictograms:



PRECAUTIONARY STATEMENT:

- P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/light/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P391 Collect spillage.
P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + 312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + 352 IF ON SKIN: Wash with plenty of soap and water.
P308 + 311 IF exposed or concerned: Call a POISON CENTER/doctor/physician.
P332 + 313 IF skin irritation occurs: Get medical advice/attention.
P333 + 313 IF skin irritation or a rash occurs: Get medical advice/attention.
P337 + 313 If eye irritation persists: Get medical advice/attention.
P362 + 364 Take off contaminated clothing and wash it before use.
P370 + 378 In case of fire: Use carbon-dioxide, powder, aqueous extinguishing media for extinction.
P303 + 361 + 353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + 351 + 338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P405 Store locked up.
P403 + 235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/containers in accordance with regulations on hazardous waste of packaging and packaging waste respectively.

Section 3. Composition and Information on Ingredients

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

Section 4. First Aid Measures

Eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion in excess:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
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 , sand, extinguishing powder NON SUITABLE: Water.
Special Fire-Fighting Procedure:	Use water spray to cool unopened containers.

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Unusual Fire and Explosion Hazards: 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: Firemen must wear self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid all contact with eyes and mucous membranes. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not dispose in sewer or in any natural environment.

Containment: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal.

Clean Up: Disposal must be made according to official regulations.

Section 7. Handling and Storage

Handling Precautions: Avoid contact with eyes and mucous membranes. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid formation of aerosols. Smoking, eating and drinking should be prohibited in application area. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

Storage Precautions: Keep container tightly closed, protected from light and potential sources of ignition. Store separated from foodstuffs or animal food. Store in a cool and well-ventilated place. Recommended storage conditions 18-25 °C (65 - 77 °F)

Other: See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

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Respiratory Protection:	Assure a good ventilation of work place. Where risk assessment shows necessary, use a full-face respirator with multi-purpose combination respirator cartridges.
Hand Protection:	The glove material has to be impermeable.
Eye Protection:	Goggles giving complete protection to eyes. Eyewash bottle with clean water.
Skin and Body Protection:	Clothes for chemical protection to avoid contact.
Ingestion:	Do not eat, drink or smoke while using.
Industrial Hygiene:	Provide ventilation of the work place to reduce concentrations of the vapor and product.
OSHA Permissible Exposure Limits (PELs):	N/A
ACGIH Threshold Limit Values:	N/A

Section 9. Physical and Chemical Properties

Appearance:	Colorless to pale yellow liquid
Upper/Lower Flammability:	N/A
Odor:	Fresh strong camphor woody balsam herbal minty
Vapor Pressure:	2 mmHg at 20°C
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
Initial Boiling Point and Boiling Range:	347°F / 175°C
Flash Point:	114.8°F / 46°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:	0.912

Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances.
Avoid:	Heat, flames, sparks and strong oxidizing agents.
Incompatibility:	Strong oxidizing and reducing agents.
Hazardous Byproducts:	None in normal conditions.
Other:	None

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Section 11. Toxicological Information

Toxicological and Health Effects:	Can be noxious, can induce irritations and serious eye damage/eye irritation.
Likely Routes of Exposure:	Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure:	See Section 2. Hazards Identification.
LD50 (median lethal dose):	N/A
Listed NTP Carcinogen:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
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.

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:	Throwing out is forbidden. Do not discharge into drains, water courses or onto the ground.
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

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Section 15. Regulatory Information

Product Regulations: N/A

Section 16. Other Information

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Initial of Author: SDR

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user.

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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