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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: Marjoram
Product Code: 913
Description: Essential Oil of Marjoram
Product Use: Cosmetic and Manufacturing
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 serious eye irritation.
Skin Contact: H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
Environmental: 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.
P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P403 + 235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3. Composition and Information on Ingredients

Chemical Name: *Majorana hortensis*
Physical State: Liquid.
CAS #: 8015-01-8

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Impurities: None.
Trade Secret Claim: None.

Section 4. First Aid Measures

Eyes: Hold the eyes open and rinse with preferably lukewarm water for at least 10 minutes. Immediately contact an ophthalmologist.

Skin Contact: Wash immediately with plenty of soap and water. Apply protective bandage with sterile gauze. Call a doctor.

Inhalation: Bring accident victims out into the fresh air. Immediately call a doctor.

Ingestion in excess: If accidentally swallowed obtain immediate medical attention. Rinse mouth. Do NOT induce vomiting - danger of aspiration.

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: CO₂, foam, dry chemical.
NON SUITABLE: Water.

Special Fire-Fighting Procedure: Firemen must wear self-contained breathing apparatus. Do not allow firefighting water to enter soil, ground-water, drains or water courses. Fight fire with normal precautions from a reasonable distance. Cool undamaged containers with water.

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: Carbon oxides are produced when burning.

Section 6. Accidental Release Measures

Personal Precautions: Ensure adequate ventilation/exhaust extraction. Wear personal protective equipment. Avoid all contact with eyes and mucous membranes by wearing goggles, protective clothing, vapor respirator, boots, gloves, and or self-contained breathing apparatus.

Environmental Precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

Containment: Terminate and take up spills with absorbent material (sand, kieselguhr, universal binder, etc.) or with pumping.

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Containers in which spilt substances have been collected must be adequately labeled. Prevent entry into waterways, sewers, and confined areas.

Clean Up: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Dispose of absorbed material in accordance with the regulations preferable with burning. Place in appropriate containers for disposal. Ventilate affected areas.

Section 7. Handling and Storage

Handling Precautions: 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.

Storage Precautions: Keep container tightly closed. Store separated from food stuffs or animal food. Store in a cool and well ventilated place.

Other: See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls: Technical measures and the application of suitable work processes have priority over personal protection equipment.

Respiratory Protection: In case of any possible exposure wear gasmask with fresh air supply.

Hand Protection: Plastic or synthetic rubber impermeable gloves. Use solvent and acid resistant protection gloves.

Eye Protection: Safety glasses with side protection shield.

Skin and Body Protection: Clothes for chemical protection to avoid contact.

Ingestion: Do not eat, drink and smoke while using.

Industrial Hygiene: Provide ventilation of the work place to reduce concentrations of the vapor and product. Use good industrial hygiene practices.

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: Sweet Woody

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

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Solubility:	Insoluble
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	131°F / 55°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:	N/A

Section 10. Stability and Reactivity

Stability:	The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Avoid:	Excessive heat, direct sunlight.
Incompatibility:	There is no additional information.
Hazardous Byproducts:	Hazardous combustion products: see section 5.
Other:	Temperatures more than room temperature will benefit the transfer from liquid to vapor phase and formation of explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.

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:	N/A
LD50 (median lethal dose):	N/A
Listed NTP Carcinogen:	N/A
INGESTION:	N/A

Section 12. Ecological Information

TOXICITY:	Toxic to aquatic life with long lasting effects.
PERSISTENCE / DEGRADABILITY:	This product is biodegradable.
BIOACCUMULATION POTENTIAL:	May cause long-term adverse effects in the aquatic environment. Marine pollutant.
RESULTS OF PBT AND vPvB ASSESSMENT:	No information available.
MOBILITY IN SOIL:	No information available.
OTHER ADVERSE EFFECTS:	No information available.

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Section 13. Disposal Considerations

Disposal Containers: It is a dangerous waste; only packaging which is approved (e.g. acc. to ADR) may be used.

Waste Disposal: Do not empty into drains. Avoid release to the environment.

Special Considerations: Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

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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