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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: Juniper Berry
Product Code: 1843
Description: Essential Oil of Juniper Berry
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 airways.
Health Risks: H302 Harmful if swallowed.
Eye Contact: N/A
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/ doctor.
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: *Juniperus communis*
Physical State: Liquid.
CAS #: 8002-68-4

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Impurities: None.
Trade Secret Claim: None.

Section 4. First Aid Measures

Eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin Contact: If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.

Inhalation: Supply fresh air and to be sure call for a doctor.

Ingestion in excess: Seek immediate medical advice.

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, sand, extinguishing powder
NON SUITABLE: Water.

Special Fire-Fighting Procedure: Cool unopened containers with water spray. Do not inhale explosion gases or combustion gases.

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: Do not inhale explosion gases or combustion gases.

Section 6. Accidental Release Measures

Personal Precautions: Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources.

Environmental Precautions: Do not dispose in sewer or in any natural environment.

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

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

Section 7. Handling and Storage

Handling Precautions: Store in cool, dry place in tightly closed receptacles. Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Handle with care. Avoid jolting, friction and impact.

Storage Precautions: Store in sealed container. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Store in cool, dry conditions in well-sealed receptacles. Protect from

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heat and direct sunlight. Store receptacle in a well-ventilated area.
Other: See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls: Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes.
Respiratory Protection: Use suitable respiratory protective device in case of insufficient ventilation.
Hand Protection: Protective gloves. The glove material has to be impermeable and resistant to the product.
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 and 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: Light yellow fluid
Upper/Lower Flammability: N/A
Odor: Characteristic of juniper
Vapor Pressure: N/A
Odor Threshold: N/A
Vapor Density: N/A
pH: N/A
Relative Density: 0.8500 - 0.8750
Melting Point: -4°F / -20°C
Freezing Point: N/A
Solubility: N/A
Initial Boiling Point and Boiling Range: 339.8°F / 171°C
Flash Point: 100.4°F / 38°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

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Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances. Avoid heat and ignition sources.
Avoid:	Excessive heat.
Incompatibility:	Undetermined
Hazardous Byproducts:	None in normal conditions
Other:	None

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:	See Section 2. Hazards Identification.
LD50 (median lethal dose):	5,000 mg/kg (rat, oral)
Listed NTP Carcinogen:	None of the ingredients are listed carcinogens
INGESTION:	N/A

Section 12. Ecological Information

TOXICITY:	See Section 2
PERSISTENCE / DEGRADABILITY:	No information available.
BIOACCUMULATION POTENTIAL:	No information available.
RESULTS OF PBT AND vPvB ASSESSMENT:	No information available.
MOBILITY IN SOIL:	No information available.
OTHER ADVERSE EFFECTS:	Do not allow product to reach ground water, water course or sewage system. Toxic for aquatic organisms. The product contains materials that are harmful to the environment

Section 13. Disposal Considerations

Disposal Containers:	Vapors may collect in empty containers. Rinse or evaporate thoroughly.
Waste Disposal:	Product is biodegradable.
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 Editor: SDR

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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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