



# LIBERTY NATURAL PRODUCTS, INC.

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

libertynatural.com

## Section 1. Product and Company Identification

**Product Name:** Organic Rosemary Verbenone  
**Product Code:** 9016  
**Description:** Essential Oil of Rosemary Verbenone  
**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:** N/A  
**Skin Contact:** H315 Causes skin irritation.  
H317 May causes an allergic skin reaction.  
**Environmental:** N/A

### Pictograms:



### PRECAUTIONARY STATEMENT:

P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P262 Do not get in eyes, on skin, or on clothing.  
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331 Do NOT induce vomiting.  
P391 Collect spillage.

## Section 3. Composition and Information on Ingredients

**Chemical Name:** *Rosmarinus Officinalis*  
**Physical State:** Liquid.  
**CAS #:** 84604-14-8  
**Impurities:** None.  
**Trade Secret Claim:** None.

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Ingredients:	CAS:	%:
Alpha Pinene	80-56-8	±18
1.8 Cineole	470-82-6	±9

#### Section 4. First Aid Measures

<b>Eyes:</b>	Rinse eyes immediately with running water at low pressure. Consult an ophthalmologist.
<b>Skin Contact:</b>	Wash area liberally with water.
<b>Inhalation:</b>	Relocate to fresh air; give artificial respiration if not breathing. Seek medical assistance as needed.
<b>Ingestion in excess:</b>	Do not try to induce vomiting. Rinse mouth. Consult a doctor never give anything by mouth to a person who is unconscious or having convulsions. Seek medical assistance as needed.
<b>Emergency Care:</b>	Contact local emergency provider. For non-emergency, contact primary care provider.
<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: CO2 foam, dry chemical. NON SUITABLE: Water.
<b>Special Fire-Fighting Procedure:</b>	None
<b>Unusual Fire and Explosion Hazards:</b>	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.
<b>PPE and Precautions for Firefighters:</b>	May burn with near invisible flame. Use grounded containers.

#### Section 6. Accidental Release Measures

<b>Personal Precautions:</b>	Avoid all contact with eyes and mucous membranes by wearing goggles, protective clothing, vapor respirator, boots, gloves, and or self-contained breathing apparatus.
<b>Environmental Precautions:</b>	Do not dispose in sewer or in any natural environment.
<b>Containment:</b>	Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.
<b>Clean Up:</b>	Once contained wash with plenty of soap and water after complete elimination of the product. Small spills can be flushed with large amounts of water. Large spills- eliminate ignition sources; ground equipment; use vapor suppression such as foam; use non-sparking tools and non-combustible matter to absorb product and transfer to grounded containers.

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## Section 7. Handling and Storage

<b>Handling Precautions:</b>	Avoid contact with eyes and mucous.
<b>Storage Precautions:</b>	Store in sealed container, Keep away from humidity in a fresh place. Keep container closed after using.
<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.
<b>Respiratory Protection:</b>	Assure a good ventilation of work place.
<b>Hand Protection:</b>	Plastic or synthetic rubber impermeable 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.
<b>Ingestion:</b>	Do not eat, drink and smoke while using
<b>Industrial Hygiene:</b>	Provide ventilation of the work place to reduce concentrations of the vapor and product.
<b>OSHA Permissible Exposure Limits (PELs):</b>	N/A
<b>ACGIH Threshold Limit Values:</b>	N/A

## Section 9. Physical and Chemical Properties

<b>Appearance:</b>	Clear colorless to straw yellow liquid
<b>Upper/Lower Flammability:</b>	N/A
<b>Odor:</b>	Herbaceous aroma
<b>Vapor Pressure:</b>	N/A
<b>Odor Threshold:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>pH:</b>	N/A
<b>Relative Density:</b>	0.900 – 0.933 at 20°C
<b>Melting Point:</b>	N/A
<b>Freezing Point:</b>	N/A
<b>Solubility:</b>	Not soluble
<b>Initial Boiling Point and Boiling Range:</b>	368.6°F / 187°C
<b>Flash Point:</b>	107.6°F / 42°C
<b>Evaporation Rate:</b>	N/A
<b>Flammability Category:</b>	N/A
<b>Partition Coefficient:</b>	N/A
<b>Auto-ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Viscosity:</b>	N/A
<b>Specific Gravity:</b>	N/A

## Section 10. Stability and Reactivity

<b>Stability:</b>	Stable under normal circumstances. Avoid heat and ignition sources.
<b>Avoid:</b>	Excessive heat.

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**Incompatibility:** Strong oxidizing agents; strong inorganic acids.  
**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):** N/A  
**Listed NTP Carcinogen:** Not classified as a human carcinogen.

### Section 12. Ecological Information

**TOXICITY:** Hazardous to the aquatic environment Chronic hazard category 2 according to EC 1272/2008.  
**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:** Not known.

### 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:** 2319  
**UN Shipping Name:** Terpene Hydrocarbons n.o.s.  
**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

**Last Revised:** 1/19/2023 **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*

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*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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