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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

|                         |  |
|-------------------------|--|
| <b>Product Name:</b>    | Tarragon (Estragon)  |
| <b>Product Code:</b>    | 79   |
| <b>Description:</b>     | Essential Oil tarragon   |
| <b>Product Use:</b>     | Industrial   |
| <b>Manufacturer:</b>    | Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045<br>(800) 289-8427 |
| <b>Emergency Phone:</b> | USA, Canada, Mexico: 1-800-535-5053<br>International: 1-352-323-3500                 |

## Section 2. Hazards Identification

|                       |   |
|-----------------------|---|
| <b>Category:</b>      | H227 Combustible liquid.  |
| <b>Signal Word:</b>   | Warning   |
| <b>Ingestion:</b>     | H302 Harmful if swallowed.  |
| <b>Health Risks:</b>  | H304 May be fatal if swallowed and enters airways.<br>H341 Suspected of causing genetic defects.<br>H351 Suspected of causing cancer. |
| <b>Eye Contact:</b>   | N/A   |
| <b>Skin Contact:</b>  | H316 Causes mild skin irritation.<br>H317 May cause an allergic skin reaction.  |
| <b>Environmental:</b> | H401 Toxic to aquatic life.<br>H411 Toxic to aquatic life with long lasting effects.  |

### Pictograms:



### PRECAUTIONARY STATEMENT:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
- P261 Avoid breathing dust, fume, gas, mist, vapors, spray.
- P264 Wash parts in contact 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.
- P280 Wear protective gloves, protective clothing, eye protection, face protection.

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P281 Use personal protective equipment as required.

### Section 3. Composition and Information on Ingredients

|                            |                                       |
|----------------------------|---------------------------------------|
| <b>Chemical Name:</b>      | <i>Artemisia Dracunculus Linnaeus</i> |
| <b>Physical State:</b>     | Liquid.                               |
| <b>CAS#:</b>               | 8016-88-4                             |
| <b>Impurities:</b>         | None.                                 |
| <b>Trade Secret Claim:</b> | None.                                 |

### Section 4. First Aid Measures

|                             |   |
|-----------------------------|---|
| <b>Eyes:</b>                | Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  |
| <b>Skin Contact:</b>        | If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.                              |
| <b>Inhalation:</b>          | Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation. |
| <b>Ingestion in excess:</b> | Drink copious amounts of water and provide fresh air. Immediately call a doctor.  |
| <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: CO <sub>2</sub> , sand, extinguishing powder.<br>NON SUITABLE: Water.   |
| <b>Special Fire-Fighting Procedure:</b>      | None  |
| <b>Unusual Fire and Explosion Hazards:</b>   | 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> | Firemen must wear self-contained breathing apparatus.   |

### Section 6. Accidental Release Measures

|                                   |   |
|-----------------------------------|---|
| <b>Personal Precautions:</b>      | Protective equipment and emergency procedures. Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources.   |
| <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>                  | Disposal must be made according to official regulations. In case of copious pouring out, absorb the liquid with sand soil or other adequate material. Clean the contaminated area with detergent and water. If the product arrives to the sewer system, advise the firemen immediately. |

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## Section 7. Handling and Storage

|                              |   |
|------------------------------|---|
| <b>Handling Precautions:</b> | 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. |
| <b>Storage Precautions:</b>  | Store in sealed container, Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.                               |
| <b>Other:</b>                | See Section 8   |

## Section 8. Exposure Controls/Personal Protection

|   |   |
|---|---|
| <b>Engineering Controls:</b>                    | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday |
| <b>Respiratory Protection:</b>                  | Assure a good ventilation of work place.  |
| <b>Hand Protection:</b>                         | The glove material has to be impermeable.   |
| <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>                              | Colorless to pale yellow-green                 |
| <b>Upper/Lower Flammability:</b>                | N/A  |
| <b>Odor:</b>                                    | Sweet-anisic, herbaceous, slightly green-spicy |
| <b>Vapor Pressure:</b>                          | ~0.3 mm Hg 20°C                                |
| <b>Odor Threshold:</b>                          | N/A  |
| <b>Vapor Density:</b>                           | N/A  |
| <b>pH:</b>                                      | N/A  |
| <b>Relative Density:</b>                        | N/A  |
| <b>Melting Point:</b>                           | N/A  |
| <b>Freezing Point:</b>                          | N/A  |
| <b>Solubility:</b>                              | Insoluble                                      |
| <b>Initial Boiling Point and Boiling Range:</b> | N/A  |
| <b>Flash Point:</b>                             | 151°F / 66°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>                        | 0.97   |

## Section 10. Stability and Reactivity

|                   |   |
|-------------------|---|
| <b>Stability:</b> | Stable under normal circumstances. Avoid heat and ignition sources. |
| <b>Avoid:</b>     | Heat, flames, sparks and strong oxidizing agents.                   |

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**Incompatibility:** Strongly oxidizing and reducing agents.  
**Hazardous Byproducts:** None in normal conditions  
**Other:** None

### Section 11. Toxicological Information

**Toxicological and Health Effects:** Can be noxious.  
**Likely Routes of Exposure:** Eyes, nose, mouth, skin.  
**Signs and Symptoms of Exposure:** See Section 2. Hazards Identification.  
**LD50 (median lethal dose):** (oral) 1,500 mg/kg  
**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:** N/A

### Section 12. Ecological Information

**TOXICITY:** See Section 2  
**PERSISTENCE / DEGRADABILITY:** No information available.  
**BIOACCUMULATION POTENTIAL:** May cause long lasting harmful effects to aquatic life.  
**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** UN 3082  
**UN Shipping Name:** Environmentally hazardous substance, liquid, n.o.s.  
**Transport Hazard Class:** 9  
**Packing Group Number:** III  
**Stowage and Handling:** N/A

### Section 15. Regulatory Information

**Product Regulations:** N/A

### Section 16. Other Information

**Last Revised:** 1/6/2021 **Initial of Editor:** SAM

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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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