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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>    | Elemi  |
| <b>Product Code:</b>    | 174  |
| <b>Description:</b>     | Essential Oil of Elemi   |
| <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>      | H226 Flammable liquid and vapor   |
| <b>Signal Word:</b>   | Warning   |
| <b>Ingestion:</b>     | H303 May be harmful if swallowed.   |
| <b>Health Risks:</b>  | N/A   |
| <b>Eye Contact:</b>   | H319 Causes serious eye irritation.   |
| <b>Skin Contact:</b>  | H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction            |
| <b>Environmental:</b> | H413 May cause long-lasting harmful effects to aquatic life                         |
| <b>Pictograms:</b>    |  |

### PRECAUTIONARY STATEMENT:

P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking.  
P280 Wear protective gloves, protective clothing, eye protection, face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P403+P235 Store in well-ventilated place. Keep cool.  
P501 Dispose of contents and/or container

## Section 3. Composition and Information on Ingredients

|                            |                           |
|----------------------------|---------------------------|
| <b>Chemical Name:</b>      | <i>Canarium luzonicum</i> |
| <b>Physical State:</b>     | Liquid.                   |
| <b>CAS#:</b>               | 8023-89-0                 |
| <b>Impurities:</b>         | None.                     |
| <b>Trade Secret Claim:</b> | None.                     |

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#### 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>        | Remove contaminated clothing and immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor. |
| <b>Inhalation:</b>          | Supply fresh air and consult a doctor if symptoms persist.  |
| <b>Ingestion in excess:</b> | Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.                                    |
| <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>   | Products of combustion are smoke, carbon monoxide, carbon dioxide. 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> | DO NOT USE water extinguishers. Avoid vapor inhalation. Closed containers need to be cooled if exposed to heat.  |

#### 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> | Contain the leak with earth or sand. Prevent from entering drains, sewers and water courses. If this cannot be done, advise the local authority. |
| <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. Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.      |

#### Section 7. Handling and Storage

|                              |   |
|------------------------------|---|
| <b>Handling Precautions:</b> | Handle in a well-ventilated area away from sources of ignition. Avoid spillage and eye contact (gloves and goggles recommended). Do not smoke.  |
| <b>Storage Precautions:</b>  | Store at ambient temperature in a dark container. Store away from oxidizing substances e.g. Bleach. Store in full containers; Stainless Steel for bulk or glass for small quantities. |
| <b>Other:</b>                | See Section 8   |

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## Section 8. Exposure Controls/Personal Protection

|   |  |
|---|--|
| <b>Engineering Controls:</b>                    | Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes.  |
| <b>Respiratory Protection:</b>                  | Assure a good ventilation of work place. Use suitable respiratory protective device in case of insufficient ventilation. |
| <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>                | Wear suitable protective clothing.   |
| <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 liquid. Colorless to pale yellow |
| <b>Upper/Lower Flammability:</b>                | N/A                                    |
| <b>Odor:</b>                                    | Fresh lemon-like, pepper notes         |
| <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>                        | 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>                             | 129°F / 54°C                           |
| <b>Evaporation Rate:</b>                        | N/A                                    |
| <b>Flammability Category:</b>                   | Flammable                              |
| <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>                | Do not leave containers open to the air. Avoid storage at elevated temperatures and sources of ignition. |
| <b>Incompatibility:</b>      | Will react with oxidizing agents.  |
| <b>Hazardous Byproducts:</b> | On combustion may produce smoke, carbon monoxide and carbon dioxide.                                     |
| <b>Other:</b>                | None   |

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### Section 11. Toxicological Information

|                                   |  |
|-----------------------------------|--|
| Toxicological and Health Effects: | Not determined                             |
| Likely Routes of Exposure:        | Eyes, nose, mouth, skin.                   |
| Signs and Symptoms of Exposure:   | May cause eye and skin irritation          |
| LD50 (median lethal dose):        | (oral) 3,370 mg/kg<br>(dermal) 2,500 mg/kg |
| Listed NTP Carcinogen:            | N/A  |
| 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. Harmful to 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:         | N/A  |
| Special Considerations: | Must be specially treated adhering to official regulations.            |

### Section 14. Transport Information

|                         |                                       |
|-------------------------|---------------------------------------|
| UN Number               | UN 1197                               |
| 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

|               |          |                        |
|---------------|----------|------------------------|
| Last Revised: | 3/6/2023 | 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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