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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>    | Organic Bergamot   |
| <b>Product Code:</b>    | 9000   |
| <b>Description:</b>     | Essential Oil of Bergamot  |
| <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>     | H304 May be fatal if swallowed and enters airways.                        |
| <b>Health Risks:</b>  | N/A   |
| <b>Eye Contact:</b>   | H320 Causes eye irritation.   |
| <b>Skin Contact:</b>  | H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction. |
| <b>Environmental:</b> | H410 Very toxic to aquatic life with long-lasting effects.                |

### Pictograms:



### PRECAUTIONARY STATEMENT:

P210 Keep away from heat, sparks, open flames or hot surfaces. - No smoking.  
P240 Ground/bond container and receiving equipment.  
P280 Wear protective gloves, protective clothing, eye protection, face protection.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P233 Keep container tightly closed.  
P241 Use explosion-proof equipment.  
P261 Avoid breathing dust, fume, gas, mist, vapors, spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P301 + P330 + P331 + P310 + P321 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Immediately call a POISON CENTER or doctor. Specific treatment.  
P378 Use for extinction: All extinguishing media can be used.

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P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P391 Collect spillage.  
P405 Store locked up.  
P235 Keep cool.  
P501 Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Section 3. Composition and Information on Ingredients

|                            |                        |
|----------------------------|------------------------|
| <b>Chemical Name:</b>      | <i>Citrus bergamia</i> |
| <b>Physical State:</b>     | Liquid.                |
| <b>CAS #:</b>              | 8007-75-8              |
| <b>Impurities:</b>         | None.                  |
| <b>Trade Secret Claim:</b> | None.                  |

### Section 4. First Aid Measures

|                             |   |
|-----------------------------|---|
| <b>Eyes:</b>                | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.                       |
| <b>Skin Contact:</b>        | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.     |
| <b>Inhalation:</b>          | Obtain medical attention. Allow person to rest. If breathing is difficult, give oxygen. Assure fresh air breathing. |
| <b>Ingestion in excess:</b> | Rinse mouth. Do not induce vomiting. If swallowed seek medical advice immediately and show this container or label. |
| <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>      | 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.                                     |

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|                     |   |
|---------------------|---|
| <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. |

### Section 7. Handling and Storage

|                              |   |
|------------------------------|---|
| <b>Handling Precautions:</b> | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.                           |
| <b>Storage Precautions:</b>  | Store and handle as though always a serious potential fire/explosion and health hazard exists. Keep away from sources of ignition - No smoking. |
| <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. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. |
| <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>               | Green-yellow liquid |
| <b>Upper/Lower Flammability:</b> | N/A                 |
| <b>Odor:</b>                     | Fresh and citrusy   |
| <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                 |

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|   |                |
|---|----------------|
| <b>Freezing Point:</b>                          | N/A            |
| <b>Solubility:</b>                              | Insoluble      |
| <b>Initial Boiling Point and Boiling Range:</b> | N/A            |
| <b>Flash Point:</b>                             | 136.4°F / 58°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>                        | 0.876          |

### Section 10. Stability and Reactivity

|                              |  |
|------------------------------|--|
| <b>Stability:</b>            | Stable under normal circumstances.         |
| <b>Avoid:</b>                | Heat, flames, sparks and ignition sources. |
| <b>Incompatibility:</b>      | Strong oxidizing and reducing agents.      |
| <b>Hazardous Byproducts:</b> | None in normal conditions                  |
| <b>Other:</b>                | None                                       |

### Section 11. Toxicological Information

|  |   |
|--|---|
| <b>Toxicological and Health Effects:</b> | Can be noxious.   |
| <b>Likely Routes of Exposure:</b>        | Eyes, nose, mouth, skin.  |
| <b>Signs and Symptoms of Exposure:</b>   | See Section 2. Hazards Identification.  |
| <b>LD50 (median lethal dose):</b>        | N/A   |
| <b>Listed NTP Carcinogen:</b>            | 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. |
| <b>INGESTION:</b>                        | N/A   |

### Section 12. Ecological Information

|  |   |
|--|---|
| <b>TOXICITY:</b>                           | See Section 2   |
| <b>PERSISTENCE / DEGRADABILITY:</b>        | No information available.                               |
| <b>BIOACCUMULATION POTENTIAL:</b>          | May cause long lasting harmful effects to aquatic life. |
| <b>RESULTS OF PBT AND vPvB ASSESSMENT:</b> | No information available.                               |
| <b>MOBILITY IN SOIL:</b>                   | No information available.                               |
| <b>OTHER ADVERSE EFFECTS:</b>              | Not known.  |

### Section 13. Disposal Considerations

|                             |   |
|-----------------------------|---|
| <b>Disposal Containers:</b> | Vapors may collect in empty containers. Rinse or evaporate thoroughly.  |
| <b>Waste Disposal:</b>      | Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container at |

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hazardous or special waste collection point. Avoid release to the environment.

**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

#### 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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