



# LIBERTY NATURAL PRODUCTS, INC.

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

## Section 1. Product and Company Identification

**Product Name:** Ginger Fresh  
**Product Code:** 1237  
**Description:** Essential Oil of Ginger  
**Product Use:** Industrial  
**Manufacturer:** Liberty Natural Products, 20949 South Harris Rd, Oregon City, OR 97045  
**Emergency Phone:** Liberty Natural Products: (800) 289-8427

## Section 2. Hazards Identification

**Category:** H227 Flammable liquid  
**Signal Word:** Warning  
**Ingestion:** N/A  
**Health Risks:** N/A  
**Eye Contact:** N/A  
**Skin Contact:** N/A  
**Environmental:** N/A  
**Pictograms:**



### PRECAUTIONARY STATEMENT:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P370 + 378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
P403 + 235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container to an approved waste disposal plant.

## Section 3. Composition and Information on Ingredients

**Chemical Name:** *Zinziber officinale*  
**Physical State:** Liquid.  
**CAS #:** 8007-08-7  
**Impurities:** None.  
**Trade Secret Claim:** None.

## Section 4. First Aid Measures

**Eyes:** Flush with water as a precaution.

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<b>Skin Contact:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Ingestion in excess:</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<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, alcohol resistant foam NON SUITABLE: Water
<b>Special Fire-Fighting Procedure:</b>	Carbon oxides are produced upon combustion. Wear self-contained breathing apparatus for firefighting if necessary.
<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>	Protect skin and eyes

## Section 6. Accidental Release Measures

<b>Personal Precautions:</b>	Follow company emergency procedures. Wear protective equipment and keep unprotected persons away. Keep away from ignition sources. Ensure area is well ventilated and avoid contact with eyes and mucous.
<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. Recover in a tightly sealed container. Wash with plenty of water after complete elimination of the product.

## Section 7. Handling and Storage

<b>Handling Precautions:</b>	Avoid inhalation of vapor or mist. Keep away from sources of ignition – No smoking. Take measures to prevent the buildup of electrostatic charge.
<b>Storage Precautions:</b>	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
<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. Wash hands before breaks and at the end of the workday.
<b>Respiratory Protection:</b>	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination or type ABEK respiratory cartridges as a backup to engineering controls. If the respiratory is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH.
<b>Hand Protection:</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact. Dispose of gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
<b>Eye Protection:</b>	Goggles give complete protection to eyes. Keep eyewash bottle with clean water handy.
<b>Skin and Body Protection:</b>	Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Ingestion:</b>	Do not eat, drink and smoke while using.
<b>Industrial Hygiene:</b>	Follow your company policy.
<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>	Light yellow to dark yellow to amber liquid
<b>Upper/Lower Flammability:</b>	N/A
<b>Odor:</b>	Spicy and woody
<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>	489°F / 254°C
<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

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<b>Viscosity:</b>	N/A
<b>Specific Gravity:</b>	0.868 – 0.883 at 20°C

### Section 10. Stability and Reactivity

<b>Stability:</b>	Stable under normal circumstances.
<b>Avoid:</b>	Heat, flames and sparks.
<b>Incompatibility:</b>	Strong oxidizing agents.
<b>Hazardous Byproducts:</b>	None in normal conditions. Carbon oxides produced during combustion.
<b>Other:</b>	None

### Section 11. Toxicological Information

<b>Toxicological and Health Effects:</b>	Nontoxic under normal conditions.
<b>Likely Routes of Exposure:</b>	Eyes, nose, mouth, skin.
<b>Signs and Symptoms of Exposure:</b>	Skin or eye irritation. Eye damage.
<b>LD50 (median lethal dose):</b>	>5,000 mg/kg (oral, rat) 3,450 mg/kg (oral, mouse)
<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>	Adopt good working practices, so that the product is not released into the environment.
<b>PERSISTENCE/DEGRADABILITY:</b>	No information available.
<b>BIOACCUMULATION POTENTIAL:</b>	No information available.
<b>RESULTS OF PBT AND vPvB ASSESSMENT:</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
<b>MOBILITY IN SOIL:</b>	No information available.
<b>OTHER ADVERSE EFFECTS:</b>	N/A

### Section 13. Disposal Considerations

<b>Disposal Containers:</b>	To comply with the regulations and prefectural orders in use. Throwing out forbidden. Packaging must be well emptied.
<b>Waste Disposal:</b>	This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.
<b>Special Considerations:</b>	Must be specially treated adhering to official regulations.

### Section 14. Transport Information

<b>UN Number:</b>	N/A
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UN Shipping Name: N/A  
Transport Hazard Class: N/A  
Packing Group Number: N/A  
Stowage and Handling: N/A

#### Section 15. Regulatory Information

Product Regulations: N/A

#### Section 16. Other Information

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*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 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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