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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

Product Name:	Galangal Greater
Product Code:	840
Description:	Essential Oil of Galangal
Product Use:	Industrial
Manufacturer:	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
Emergency Phone:	Liberty Natural Products: (800) 289-8427

Section 2. Hazards Identification

Category:	H226 Flammable liquid and vapor.
Signal Word:	Warning
Ingestion:	N/A
Health Risks:	N/A
Eye Contact:	H319 Causes serious eye irritation.
Skin Contact:	H315 Causes skin irritation.
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 + P378 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:	<i>Alpinia galangal (L.) sw.</i>
Physical State:	Liquid.
CAS #:	8024-40-6
Impurities:	None.
Trade Secret Claim:	None.

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Section 4. First Aid Measures

Eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion in excess:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Emergency Care:	Contact local emergency provider. For non-emergency, contact primary care provider.
PPE:	Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

Section 5. Fire-Fighting Measures

Flammability:	Flammable.
Extinguishing Media:	SUITABLE: CO ₂ , sand, extinguishing powder, alcohol resistant foam NON SUITABLE: Water
Special Fire-Fighting Procedure:	Carbon oxides are produced upon combustion. Wear self-contained breathing apparatus for firefighting if necessary.
Unusual Fire and Explosion Hazards:	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.
PPE and Precautions for Firefighters:	Protect skin and eyes.

Section 6. Accidental Release Measures

Personal Precautions:	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.
Environmental Precautions:	Do not dispose in sewer or in any natural environment.
Containment:	Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.
Clean Up:	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

Handling Precautions:	Avoid inhalation of vapor or mist. Keep away from sources of ignition – No smoking. Take measures to prevent the buildup of electrostatic charge.
Storage Precautions:	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.
Other:	See Section 8

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Section 8. Exposure Controls/Personal Protection

Engineering Controls:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday
Respiratory Protection:	Assure a good ventilation of work place. Where risk assessment shows necessary, use a full-face respirator with multi-purpose combination respirator cartridges.
Hand Protection:	The glove material has to be impermeable.
Eye Protection:	Goggles giving complete protection to eyes. Eyewash bottle with clean water.
Skin and Body Protection:	Clothes for chemical protection to avoid contact.
Ingestion:	Do not eat, drink or smoke while using.
Industrial Hygiene:	Provide ventilation of the work place to reduce concentrations of the vapor and product.
OSHA Permissible Exposure Limits (PELs):	N/A
ACGIH Threshold Limit Values:	N/A

Section 9. Physical and Chemical Properties

Appearance:	Light yellow to dark yellow clear liquid
Upper/Lower Flammability:	N/A
Odor:	Characteristic
Vapor Pressure:	N/A
Odor Threshold:	N/A
Vapor Density:	N/A
pH:	N/A
Relative Density:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Solubility:	Insoluble
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	163.4°F / 73°C
Evaporation Rate:	N/A
Flammability Category:	N/A
Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
Specific Gravity:	N/A

Section 10. Stability and Reactivity

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

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Section 11. Toxicological Information

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

Section 13. Disposal Considerations

Disposal Containers:	To comply with the regulations and prefectural orders in use. Throwing out forbidden. Packaging must be well emptied.
Waste Disposal:	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.
Special Considerations:	Must be specially treated adhering to official regulations.

Section 14. Transport Information

UN Number:	N/A
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
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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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