



LIBERTY NATURAL PRODUCTS, INC.

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

Section 1. Product and Company Identification

Product Name:	Organic Geranium
Product Code:	9003
Description:	Essential Oil
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:	H227 Combustible liquid.
Signal Word:	Danger
Ingestion:	H304 May be fatal if swallowed and enters airways.
Health Risks:	N/A
Eye Contact:	H318 Causes serious eye damage
Skin Contact:	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
Environmental:	H401 Toxic to aquatic life H412 Harmful to aquatic life with long lasting effects

Pictograms:



PRECAUTIONARY STATEMENT:

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.
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.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment.

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P331 Do NOT induce vomiting.
P332+P313 If skin irritation occurs: Get medical advice.
P333+P313 If skin irritation or rash occurs: Get medical advice.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use CO2 foam, dry chemical for extinction.
P403+P235 Store in well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.

Section 3. Composition and Information on Ingredients

Chemical Name:	<i>Pelargonium X Asperum Ehrhart ex Willdenow</i>
Physical State:	Liquid.
CAS #:	8000-46-2
Impurities:	None.
Trade Secret Claim:	None.

Section 4. First Aid Measures

Eyes:	Wash immediately and abundantly the eyes with good running water at low pressure. Consult an ophthalmologist.
Skin Contact:	Sprinkle abundantly with water for at least 15 minutes.
Inhalation:	Remove victim to fresh air. If patient is unconscious put stably on their side. Seek medical attention.
Ingestion in excess:	Do not induce vomiting. Rinse mouth. Consult a doctor.
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. NON SUITABLE: Water.
Special Fire-Fighting Procedure:	None
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:	Firemen must wear self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions:	Avoid contact with eyes and mucous membranes. Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources.
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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. 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

Handling Precautions:	Avoid contact with eyes and mucous membranes. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Wash hands before breaks and after work. Keep away from food, drink and animals. When using do not smoke.
Storage Precautions:	Keep away from humidity in a fresh place. Keep container closed after using. Store in sealed container, keep container closed after using. Recommended storage temperature: 15 - 25 °C.
Other:	See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls:	Technical measures and the application of suitable work processes have priority over personal protection equipment.
Respiratory Protection:	Assure a good ventilation of work place. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Hand Protection:	Plastic or synthetic rubber impermeable gloves. Use solvent and acid resistant protection gloves.
Eye Protection:	Goggles giving complete protection to eyes.
Skin and Body Protection:	Clothes for chemical protection to avoid contact.
Ingestion:	Do not eat, drink and smoke while using.
Industrial Hygiene:	Provide ventilation of the work place to reduce concentrations of the vapor and product. Provide an extraction or global ventilation of the work place to reduce concentrations of the steams. Use good industrial hygiene practices.
OSHA Permissible Exposure Limits (PELs):	>480 minutes (permeation: level 6)
ACGIH Threshold Limit Values:	N/A

Section 9. Physical and Chemical Properties

Appearance:	Yellow green to green liquid
Upper/Lower Flammability:	N/A
Odor:	Fresh spicy green minty rose-like

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Vapor Pressure:	~0.08 mm Hg at 20°C
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:	188.6°F / 87°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:	0.89

Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances.
Avoid:	Heat, flames, sparks and other sources of ignition.
Incompatibility:	Strong oxidizing and reducing agents.
Hazardous Byproducts:	None in normal conditions
Other:	None

Section 11. Toxicological Information

Toxicological and Health Effects:	Nontoxic at establish levels.
Likely Routes of Exposure:	Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure:	See Section 2. Hazards Identification.
LD50 (median lethal dose):	N/A
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:	Can be noxious

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:	Not known.

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Section 13. Disposal Considerations

Disposal Containers:	Vapors may collect in empty containers. Rinse or evaporate thoroughly.
Waste Disposal:	Throwing out is forbidden. Comply with regulations.
Special Considerations:	Dispose of spill containment material in accordance with Federal, State, and local laws.

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 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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