



# GERANIUM ESSENTIAL OIL

## SAFETY DATA SHEET

975 Lunt Avenue, Schaumburg, IL60193 USA | Phone: +1(800)809-4941

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

<b>Company Name:</b>	<b>SULU ORGANICS LLC</b>
Company Address:	975 Lunt Avenue, Schaumburg, IL 60193 USA.
Business Phone:	(800)809-4941
Website:	<a href="http://www.thesulu.com">www.thesulu.com</a>
Email:	<a href="mailto:info@thesulu.com">info@thesulu.com</a>
Emergency Telephone Number:	<b>(800)809-4941</b>
Date of Current Revision:	January 17, 2020

### 2. COMPOSITION/INGREDIENT INFORMATION

Type of Product:	Essential Oil Natural Complex Substance (100% Pure and Natural)
Composition:	
Steam distilled essential oil of Geranium (Pelargonium graveolens):	100% by weight
Substances with Limit Values for Professional Exposure:	Not regulated
Toxicological Data:	LD50 Oral [Rat]: >5,000 mg/kg LD50 Dermal [Rabbit]: > 2,500 mg/kg
CAS TSCA #:	8000-46-2
CAS EINECS #:	90082-51-2
EINECS (EC) #:	290-140-0
CoE #:	324n
FEMA #:	2508

### 3. HAZARDS IDENTIFICATION

Main Hazards:	<ul style="list-style-type: none"> <li>• Xn: Harmful</li> <li>• N: Dangerous for Environment</li> <li>• R38: Irritating to Skin</li> <li>• R41: Risk of Serious Damage to Eyes</li> <li>• R43: May Cause Sensitization by Skin Contact</li> <li>• R51/53: Toxic to Aquatic Organisms, May Cause Long-Term Adverse Effects in the Aquatic Environment</li> <li>• R65: Harmful: May Cause Lung Damage if Swallowed</li> </ul>
Risks to Human Health and Environment:	In accordance with the directives 67/548/EEC, 1999/45/EC and its annexes as well as the Code of Practice EFFA (1) in its current version. Also taken into account is guidance from specialized publications and information held by the company.
Classification System:	
Other Dangers:	See the recommendations regarding the storage of classified products.

**4. FIRST AID MEASURES**

Eyes:	Remove lenses if applicable. Flush with plenty of vegetable oil holding lids apart. Get medical attention if irritation persists or if a skin lesion is visible.
Skin:	Remove contaminated clothing. Thoroughly wash the affected area with soap and water. Flush with large quantities of water. Cover with emollient or pure vegetable oil. Seek medical attention if irritation persists.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention or contact local poison control center immediately. Remove to fresh air. Seek medical attention if necessary.
Inhalation:	<b>Serious Inhalation:</b> Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Medical Conditions Generally Aggravated by Exposure:	No information

**5. FIRE FIGHTING MEASURES**

Flash Point:	>85° C
Flammable Limits	LEL: Not Established UEL: Not Established
Auto Ignition Temperature:	No information
Hazardous Combustion Products:	CO2, CO, irritating smoke and unidentified organic compounds may be formed during combustion. <ul style="list-style-type: none"><li>• Dry Chemical</li><li>• Carbon Dioxide</li><li>• Foam</li></ul>
Extinguishing Media:	
Special Firefighting Procedures:	<b>Note:</b> Do not use water spray except to cool containers <ul style="list-style-type: none"><li>• Wear positive pressure, self contained breathing apparatus.</li><li>• Wear protective clothing to prevent contact with skin and eyes.</li><li>• Remove containers from fire area.</li><li>• Spray extinguishing media directly into the base of the flames.</li><li>• Water is unsuitable for use on burning materials but may be used to cool containers exposed to heat.</li></ul>
Unusual Fire & Explosion Hazards:	None known

**6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)**

Personal Protection:	<ul style="list-style-type: none"><li>• Chemical splash goggles should be worn.</li><li>• If in a confined area, a certified/approved vapor respirator should be used.</li><li>• Remove individuals if they do not have respiratory/dust protection.</li><li>• Wear protective clothing and chemical resistant gloves.</li></ul>
Environmental Protection:	Notify authorities if large amounts of product enters sewer.

**Clean Up:**

- Remove any source of flae or sparks.
- Ventilate area
- Prevent liquid from entering the sewers.
- Recover spilled material with pump or absorb onto an inert, absorbent substrate and sweep up.
- Dispose of materials used to absorb spill in accordance with regulations.
- Wash area with soap and water.

**Note:** Suggested protective clothing might not be sufcient; consult a specialist BEFORE handling this product

## 7. HANDLING AND STORAGE

### Handling

- Wear safety glasses and chemical resistant gloves.
- Keep away from oxidizing agents, excessive heat, light and sources of ignition.

### Safe Handling:

- During the incorporation of the product, it must be held with relatively low temperatures. In the event of need for rise in temperature, it must be limited to as short a time as possible. Do no inhale hot vapors.

### Storage

#### Requirements for Storage Areas and Containers:

- Store in a cool, dry location, in a sealed container in a well ventilated area away from sources of ignition.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### Engineering Controls:

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors to a minimum.
- Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal Protection

#### Eye:

Chemical splash goggles or face shield should be worn.

#### Skin/Body:

Lab coats, boots and chemical resistant gloves should be worn.

#### Respiratory:

Use adequate ventilation or NIOSH-approved respiratory devices if vapor concentration is high.

#### Ventilation:

Handle in well ventilated areas. If necessary, install ventilation at the point of emission.

#### Other:

Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

#### Work/Hygiene Practice:

Use good personal hygiene practices. Limit exposure to product whenever possible. Wash contaminated clothing or shoes before each use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear, pale yellow to green
Odor:	Characteristic, aromatic
Density:	0.883-0.905
Refractive Index @ 20°C:	1.461-1.477
Optical Rotation @ 20°C:	-18 ° to -8 °
Viscosity:	Not Available
Auto Ignition Temperature:	Not Available
Flash Point:	>85°C

Boiling Point: Not determined  
Melting Point: N/A  
Solubility in Water: Insoluble

#### 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use  
Conditions to Avoid: Keep away from sources of ignition, flame and heat. Avoid hot work and sources of ignition on or near empty containers.  
Incompatibility (Materials to Avoid): P.V.C.  
Hazardous Decomposition or Byproducts: No decomposition under normal use.  
Hazardous Polymerization: Will Not Occur

#### 11. TOXICOLOGICAL INFORMATION

Threshold Limit Value (ACGIH TLV): None established  
Threshold Limit Value (OSHA PEL): None established  
Carcinogenicity: NTP Monograph: None established  
IARC Monograph: None established  
Oral LD50 : > 5000 mg/kg [Rat]  
Acute Toxicity Data: Dermal LD50 : > 2500 mg/kg [Rabbit]  
Inhalation LC50 : None established  
Ingestion of large quantities: Hazardous  
Health Hazards (Acute and Chronic): Inhalation: Hazardous  
Skin Contact: Liquid may be irritating  
Eye Contact: Liquid may be irritating  
Other Effects: None established

#### 12. ECOLOGICAL INFORMATION

Mobility: Low mobility in the soil  
R50/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
Aquatic Toxicity: Toxicity by Daphnia (CE50): 7.60 mg/l/48 hour  
Bioaccumulation Potential: No results to our knowledge  
Precautions: Avoid direct discharges to the natural environment (waters surface, sewage or underground waters)

#### 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not put into sewer lines. Dispose of according to local, state and federal regulations.

#### 14. TRANSPORT INFORMATION

Land ADR/RID:  
Class: 9  
UN #: 3082  
Packing Group III  
Shipping Name: Environmentally Hazardous Substance, Liquid  
N.O.S.

Maritime IMDG:  
Class: 9  
UN #: 3082  
Packing Group III  
Shipping Name: Environmentally Hazardous Substance, Liquid  
N.O.S.  
Marine Pollutant: Yes

Air ICAO-TI and IATA-DGR:  
Class: 9  
UN #: 3082  
Packing Group III  
Shipping Name: Environmentally Hazardous Substance, Liquid  
N.O.S.

Transport Classification  
(according to international regulations)

Customs Rate Code: 3301 29 41 00

#### 15. REGULATORY INFORMATION

Xn: Harmful  
N: Dangerous for environment

EC Labeling:

R10: Flammable  
R43: May cause sensitization by skin contact  
R51/53 – Toxic to aquatic organisms, may cause long term  
adverse effects in the aquatic environment.  
R65 – May cause lung damage if swallowed

S24: Avoid contact with skin  
S37: Wear suitable gloves  
S61: Avoid release to the environment. Refer to special  
instructions/safety data sheet.  
S62: If swallowed, do not induce vomiting: seek medical  
attention immediately.

#### 16. ADDITIONAL INFORMATION

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 local 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.