



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Geranium Egyptian Essential Oil
Botanical Name: *Pelargonium graveolens*
Synonyms: *Geranium terebinthinaceum, Pelargonium terebinthinaceum*
INCI Name: Pelargonium graveolens oil
CAS #: 8000-46-2
Country of Origin: Egypt

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga. L5T 2G9 Canada
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24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Component	EEC No.	CAS No.	Concentration	Hazard Symbol	R-phase
Citronellol	203-375-0	106-22-9	25%	Xi, N	R38-51/53
Geraniol	203-377-1	106-24-1	15 %	Xi	R38

SECTION: 3. HAZARDS IDENTIFICATION

Human Health Hazard: May be irritating to eyes and skin. May cause sensitization by skin contact. May cause lung damage if swallowed.

Not Classified as Dangerous according to rules in Directives 67/548/EEC or 1999/45/EC

Environmental Hazard: Information not available.

Threshold limits: Not determined.

Substance not classified as dangerous according to rules in Directives 67/548/EEC or 1999/45/EC

SECTION: 4. FIRST AID MEASURES

Eye Contact: Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of over exposure are dizziness and nausea.

Ingestion: Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly-losing or is Convulsing.

Skin Contact: Skin contact can produce irritation, or itching of the skin. Remove contaminated clothing Wash with soap and plenty of water. Seek medical attention if irritation persists.

SECTION: 5. FIRE FIGHTING MEASURES

Flash Point: 67 °C
Combustible liquid.

Extinguishing media: Carbon Dioxide, dry chemical or foam. Closed containers may build up pressure at elevated temperature

Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.

Firefighting Hazards: None identified.

Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.



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Combustion Product: Carbon Monoxide, Carbon Dioxide

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.

Safety Precautions: Eliminate all ignition sources. Ventilate area. Determine the need to Evacuate or isolate the area according to your local emergency plan.

Environmental Precautions: Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.

Methods For Cleaning Up: Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.

SECTION: 7. HANDLING AND STORAGE

Handling: Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks, meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

Storage: Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light, extreme temperatures and away from all sources of ignition. Excessive contact with air may cause oxidation of material.

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection: The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended

Respiratory Protection: In well- ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).

Protective Gloves: Using chemical resistant gloves is recommended.

Protective Clothing: Using chemical resistant clothing is recommended.

Protective Equipment: An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow to yellow-green liquid.

Odor: Characteristic rose like with minty undertone.

Solubility: Insoluble in water. Soluble in alcohol

Specific Gravity: 0.8865 – 0.8960 @ 25°C

Refractive Index: 1.463 – 1.471 @ 20°C

Extraction Method: Steam distillation of the stems and leaves.

Melting Point N/A

Boiling Point N/A



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SECTION: 10. STABILITY AND REACTIVITY

Stability:	Chemically stable. This material presents no significant reactivity hazard.
Conditions to Avoid:	Avoid sparks, flame, excessive heat and other sources of ignition.
Materials to Avoid:	Strong oxidizing agents. Protect from air
Flammability:	Combustible liquid.
Hazardous Polymerization:	Will not occur.
Hazardous Combustion or Decomposition Products:	None known. When heated to decomposition produces acid fumes and carbon monoxide smoke.

SECTION: 11. TOXICOLOGICAL INFORMATION

Inhalation:	Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.
Skin Contact:	Adverse skin effects should be prevented by normal care and personal hygiene
Eye Contact:	May irritate eyes.
Ingestion:	Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.
Medical Conditions Aggravated by Exposure:	May aggravate dermatitis, psoriasis and other skin conditions.
Chronic Toxicity:	May cause allergic reactions on skin
Carcinogenicity Data:	None of the components of this material are listed as a carcinogen.
Reproductive Toxicity:	No adverse effects on reproduction are known.
Acute Toxicity Values:	No data is currently available for humans. Oral LD50 >5g/kg

SECTION: 12. ECOLOGICAL INFORMATION

There is not known ecological information for this product. Avoid any pollution of soil, ground, surface or underground water.

SECTION: 13. DISPOSAL CONSIDERATION

Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance

SECTION: 14. TRANSPORT INFORMATION

Regulatory Status:	
UN No. 1993:	Liquid aromatic extract.
Packaging Group:	III Class: 3
FEMA:	2508
FDA:	182.2
EINECS:	290-14-0
US DOT Shipping Description:	Check appropriate authority
IATA Shipping (Air):	Check appropriate authority
IMDG Shipping Description:	Check appropriate authority

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada):	B2/D2
HMIS (USA):	Health Hazard –NA Fire Hazard – NA Reactivity –NA
SARA 302/ SARA 313:	None



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EU Labeling:	R10-65	Flammable.
	Xn	Harmful if swallowed.
	Xi R38	Irritating to skin
	S62	Wear suitable protective clothing, gloves and eye/face protection.

SECTION: 16. OTHER INFORMATION

Revision Date: August 1, 2011

SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Geranium Egyptian Essential Oil
Lot No.: 11062-A13, B13
Manufacturing Date: June 2010
Best Before: June 2013

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Yellow to yellow-green liquid.	Complies
Odor:	Characteristic floral odor.	Complies
Solubility:	Soluble in alcohol. Insoluble in water.	Complies
Specific Gravity:	0.880 – 0.928 @ 20°C	Complies
Optical Rotation:	-20 – +10 @ 20°C	Complies
Refractive Index:	1.455 – 1.480 @ 20°C	Complies

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CERTIFICATE OF ANALYSIS

Product: Geranium Egyptian Essential Oil
Lot No.: 11062-A14
Manufacturing Date: June 2010
Best Before: June 2013

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Yellow to yellow-green liquid.	Complies
Odor:	Characteristic floral odor.	Complies
Solubility:	Soluble in alcohol. Insoluble in water.	Complies
Specific Gravity:	0.880 – 0.928 @ 20°C	0.8960
Optical Rotation:	-20 – +10 @ 20°C	-11.9
Refractive Index:	1.455 – 1.480 @ 20°C	1.4647

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