



Plant's Power Inc
3-2700 St.Clair Ave west
Toronto, Ontario, M6N 1M2
Contact: 1-416-766-1254

Material Safety Data Sheet Egyptian Geranium Oil

Section 1: Product and Company Identification

Product Name : Egyptian Geranium oil
Botanical Name : Pelargonium graveolens
INCI Name : Pelargonium Graveolens Oil
Country of Origin : Egypt
CAS No.: 90082-51-2
EINECS No.: 290-140-0

Contact Information:

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Section 2: Composition and Information on Ingredients

Description: The volatile essential oil steam distilled from the leaf and flowers of Pelargonium Graveolens N. African chemotype.
CAS Number: 90082-51-2
CAS Name: Oils Geranium
FEMA Number: 9125

Citronellol 28-60%	
CAS No.: 106-22-9	EC No.: 203-375-0
Classification (EC 1272/2008)	Classification (67/548/EEC)

Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 2 - H411	Xi; R38 N; R51/53 R43
Geraniol 10-30%	
CAS No.: 106-24-1	EC No.: 203-377-1
Classification (EC 1272/2008) Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Eye Dam. 1 – H318 Aquatic Acute 2 – H411	Classification (67/548/EEC) Xi; R38, R41. R43.
Iso-Menthone 5-10%	
CAS No.: 1196-31-2	EC No.: 214-813-5
Classification (EC 1272/2008) Not classified	Classification (67/548/EEC) Not classified
I-Limonene <1%	
CAS No.: 5989-54-8	EC No.: 227-815-6
Classification (EC 1272/2008) Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410	Classification (67/548/EEC) R10. R43. Xi; R38. N; R50/53
Linalool 5-10%	
CAS No.: 78-70-6	EC No.: 201-134-4
Classification (EC 1272/2008) Skin Irrit. 2 – H315	Classification (67/548/EEC) Xi; R38.
Menthones 5-10%	
CAS No.: 10458-14-7	EC No.: 233-944-9
Classification (EC 1272/2008) Flam. Liq. 3 – H226 Acute Tox. 4 – H302 Eye Irrit. 2 – H319 Skin Sens. 1 – H317 Aquatic Chronic 3 – H412	Classification (67/548/EEC) Xn; R22 Xi; R36 R10, R43, R52/53
Pinenes 1-5%	
CAS No.: 80-56-8	EC No.: 201-291-9
Classification (EC 1272/2008)	Classification (67/548/EEC)

Skin Sens. 1 – H317 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410	N; R50/53 R43
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Section 3: Hazards Identification

Classification (1999/45):	Xn; R65. Xi; R38, R41. R43. N; R51/53
Classification (EC 1272/2008):	
Physical and Chemical Hazards:	Not Classified
Human Health:	Skin Irrit.2 – H315 Eye Dam. 1 – H318 Skin Sens. 1 – H317 Asp. Tox. 1 – H304
Environment:	Aquatic Chronic 2 – H411

Label in accordance with (EC) No. 1272/2008



SIGNAL WORD: Danger

CONTAINS: CITRONELLOL
GERANIOL
MENTHONES
PINENES

HAZARD STATEMENTS:

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H401 Toxic to aquatic life
H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P262 Do not get in eyes, on skin or on clothing.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+310 IF SWALLOWED: Immediately call a poison centre or doctor
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do not induce vomiting

SUPPLEMENTARY PRECAUTIONARY STATEMENTS:

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash.....thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment
- P301+310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P310 Immediately call a POISON CENTRE or doctor/physician.
- P321 Specific treatment (see....on this label).
- P331 Do NOT induce vomiting.
- P332+313 If skin irritation occurs: Get medical advice/attention.
- P333+313 If skin irritation or rash occurs: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.
- P405 Store locked up.
- P501 Dispose of contents/container to...

Section 4: First Aid Measures

- General Information: Remove affected person from source of contamination. Perform artificial respiration if breathing has stopped.
- Eye contact: Flush with water for at least 15 minutes. Call physician if irritation persists.
- Inhalation: Remove to fresh air. Avoid casual breathing. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Get medical attention if any discomfort continues.
- Ingestion: Rinse mouth and consult a physician immediately. Never-give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing. Get medical attention if any discomfort continues.
- Skin contact: Remove contaminated clothing. Wash with soap and plenty of water. Get medical attention if any discomfort continues.

Section 5: Fire and Explosion Data

- Flash Point: 87 °C
Flammable liquid. Will ignite if over heated
- Fire: Recommended extinguishing media – CO₂, foam and dry chemicals. DO NOT use direct water jet on burning material.
- Special Fire Fighting

- Procedures: Containers close to the fire should be removed or cooled with water.
- Special Hazards: When heated and in case of fire, toxic vapours/gases may be formed.
- Protective Measures: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6: Accidental Release Measures

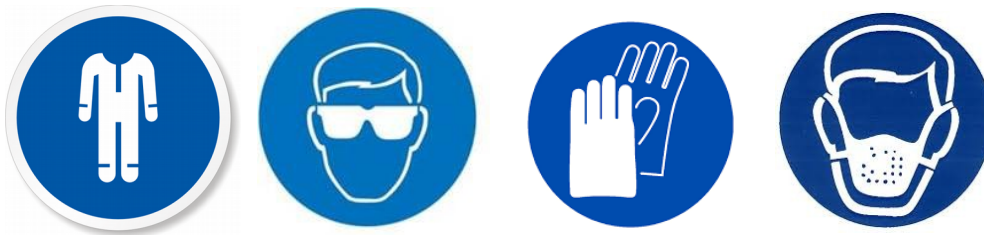
- Personal Precautions: Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.
- Environmental Precautions: Do not discharge into drains, water courses or onto the ground.
- Spill Clean Up Method: Absorb with inert, damp, non-combustible material, then flush area with water. Shovel into dry containers. Cover and move the containers. Flush the area with water.

Section 7: Handling and Storage

- Usage Precautions: Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.
- Storage Precautions: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Section 8: Exposure Controls/Personal Protection

Protective Equipment:



- Engineering Measures: Provide adequate ventilation.
- Respiratory Equipment: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
- Hand Protection: Protective gloves should be used if there is a risk of direct contact or splash.
- Eye Protection: If risk of splashing, wear safety goggles or face shield.

Other Protection:	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures:	No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.
Skin Protection:	Wear apron or protective clothing in case of splashes.

Section 9: Physical and Chemical Properties

Appearance:	Mobile oily clear liquid
Colour:	Yellowish
Odour:	Characteristic, sweet, green, herbal with rose and mint notes
Specific Gravity:	0.884 – 0.901 at 20°C
Refractive Index:	1.4630 – 1.4730 at 20°C
Flash Point:	80 – 90°C Closed cup
Optical Rotation:	-14°C to -6°C
Storage:	Store product in full, tightly closed containers in a cool dry place

Section 10: Stability and Reactivity Data

Stability:	Stable under normal temperature conditions
Conditions to Avoid:	Avoid heat, flames and other sources of ignition
Hazardous Polymerization:	Will not polymerize
Materials to Avoid:	Strong oxidizing substances Strong acids Strong alkalis
Hazardous Decomp. Products:	In case of fire, toxic gases (CO, CO ₂ , Nox) may be formed.

Section 11: Toxicological Information

Inhalation:	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Ingestion:	No specific health warnings noted. No harmful effects expected in amounts likely to be ingested by accident.
Skin Contact:	No specific health warnings noted.
Eye Contact:	Spray and vapour in the eyes may cause irritation and smarting.
Health Warnings:	No specific health warnings noted.
Medical Symptoms:	No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.
Medical Considerations:	Persons with rash are directed to skin expert for examination of allergic eczema.

Section 12: Ecological Information

Environment: Keep away from drains, surface and ground water.

Section 13: Disposal Considerations

General Information: Waste suitable for incineration.
Disposal Methods: Dispose of in accordance with state, local and federal regulations.

Section 14: Transport Information

General: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)

Air shipping (IATA)
NON HAZARDOUS

Ground Shipping (US DOT)
NON HAZARDOUS

Ocean Shipping (IMDG)
NON HAZARDOUS

Section 15: Other Regulatory Information

FDA 182-20
FEMA No. 9125

Section 16: Other Information

GENERAL INFORMATION:

Shelf life: 36 months when stored within advised conditions.

RISK PHRASES IN FULL:

R10 Flammable.

R22 Harmful if swallowed

R36 Irritating to eyes

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HAZARD STATEMENTS IN FULL:

H318 Causes serious eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation

H226 Flammable liquid and vapour.

H412 Harmful to aquatic life with long lasting effects.

H303 May be harmful if swallowed

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H401 Toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects.

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Plant's Power be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Plant's Power has been advised of the possibility of such damages.
