



## Material Safety Data Sheet Geranium Egypt Oil

1- Product Identification	
Product Name	Geranium Egypt Essential Oil
Botanical Name	Pelargonium graveolens
INCI Name	Pelargonium graveolens flower oil
CAS #	8000-46-2
Country of Origin	Egypt

2- Hazardous Ingredients Information	
N/A	

3- Physical & Chemical Properties	
Appearance	Pale yellow to greenish yellow liquid.
Odor	Characteristic minty, rosy-like odor.
Solubility	Soluble in alcohol and oils. Insoluble in water.
Specific Gravity	0.890 – 0.910 @ 20°C
Optical Rotation	-30.0 – -7.0 @ 20°C
Refractive Index	1.461 – 1.469 @ 20°C
Citronellol	25 – 50 %
Geraniol	7 – 19 %
Linalool	3 – 10 %
Isomenthone	4 – 7 %
Citronellyl Formate	5 – 12 %
Geranyl Formate	1 – 4 %
10-epi-g-Eudesmol	3 – 7 %
Extraction Method	Steam distillation of the leaves and flowers.
Contents	Citronellol, geraniol, linalool, isomenthone, citronellol formate, Geranyl formate, guaiaadiene, caryophyllene, rose oxide, geranyl, butyrate, geranyl tiglate, 10-epi-g-eudesmol.

4- Fire/Explosion Hazard	
Flash Point: 87 °C	
Flammable liquid. Will ignite if overhated	

5- Reactivity/Stability Data	
<b>Reactivity:</b> Stable	

**Decomposition:** Essential oils are naturally high in volatile organic compounds (VOCs).

When heated to decomposition, the smoke from burning essential oils may contain potential carcinogens, such as polycyclic aromatic hydrocarbons (PAHs).

6- Toxicological Properties/Information	
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It may cause sensitivity on some individuals. Because it is reputed to balance the hormonal system, it is advised that geranium be avoided during pregnancy.

7- Preventive Data	
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**Spillage:** Absorb spills, cover with an inert, non-combustible, inorganic absorbent material, and remove to an approved disposal container.

**Fire:** Recommended extinguishing media – CO<sub>2</sub>, foam and dry chemicals. DO NOT use direct water jet on burning material.

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

**Storage:** Store in cool, dry and well ventilated area protected in tightly closed container away from sources of ignition, heat and sunlight. Keep air contact to minimum.

## 8- First Aid Measures

**Eye contact:** Flush with water for at least 15 minutes. Call physician if irritation persists.

**Inhalation:** Remove to fresh air. Avoid casual breathing.

**Ingestion:** Rinse mouth and consult a physician immediately. Never-give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing

**Skin contact:** Remove contaminated clothing. Wash with soap and plenty of water.

## 9- Individual Protection

Use safety glasses.

Avoid breathing in product by ensuring good ventilation when handling.

Avoid skin contact by using chemical resistant gloves.

## 10- Preparation Information

Date Revised: 4<sup>th</sup> July 2006

### Disclaimer

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