

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: Geranium Oil (Egypt)

PRODUCT CODE: 30384

SUPPLIER: The Soap Kitchen, 11a South Street, Torrington, Devon, EX38 8AA

Emergency Tel No: 01805 622944 Emergency Contact: Mr. Richard Phillips.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: identification: Geranium oil Egypt is obtained by the steam distillation of the flowering herb *Pelargonium graveolens* l'Heritier ex Aiton, *P. roseum* Willdenow, and other non-defined hybrids.

Tariff No: 3301.21 CAS No: 8000-46-2 Status: natural

Additives: none FDA: Rose Geranium oil (taken to be Algerian, Moroccan, Bourbon & Spanish origins) is §182.20. Other types are §182.10 & §182.10

FCCIV: IFRA: see section 16 Application: Aromatherapy, skin care etc.

RIFM: monograph EINECS: 90082-46-5 RTECS:

INCI name: Pelargonium graveolens

## 3. HAZARDS IDENTIFICATION:

Concentrated product. Do not ingest. Observe good housekeeping procedures when handling.

## 4. FIRST-AID MEASURES:

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse mouth out with water. Seek medical advice immediately.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15)

## 5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA RECOMMENDED: Use CO<sub>2</sub>, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

## 6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & groundwaters.  
CLEANING UP METHODS: Remove all potential ignition sources. Contain spilled material. Cover  
FOR SPILLAGES: with an inert or non-combustible inorganic absorbent material, or  
sweep up and remove to an approved disposal container. Observe state,  
federal & local disposal regulations.

## 7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.  
STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light . Keep air contact to a minimum.  
FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.  
VENTILATION: Ensure good ventilation of working area.  
SKIN PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.  
EYE PROTECTION: Use safety glasses.  
WORK/HYGIENE PRACTICES: Wash hands with soap & water after handling.

## 9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR: Yellow to yellow-brown liquid.  
APPEARANCE: Mobile liquid  
ODOUR: Rosaecous, somewhat minty geranium leaf odour with tobacco note undertone.  
FLASH POINT °C: 64 (closed cup)  
SPECIFIC GRAVITY @ 20°C: 0.882 - 0.905  
OPTICAL ROTATION @ 20°C: -14° to -8°  
REFRACTIVE INDEX @ 20°C: 1.461 - 1.477  
SOLUBILITY IN 90% ETHANOL @ 20°C: Soluble 1 + 3  
SOLUBILITY IN VEGETABLE OILS: SOLUBLE  
SOLUBILITY IN WATER: INSOLUBLE  
TYPICAL ANALYSIS BY GC/MS: 3-METHYL-1,3-PENTADIENE 0.02%, A-PINENE 0.51%, MYRCENE 0.06%, APHELLANDRENE 0.05%, LIMONENE 0.13%, 1,8-CINEOL tr, LINALOL OXIDE 0.07%, CIS ROSE OXIDE 1.41%, TRANS ROSE OXIDE 0.46%, MENTHONE 1.66%, ISOMENTHONE 5.30%, A-CUBEBENE 0.07%, A-COPAENE 0.26%, B-BORBONENE 0.23%, LINALOL 4.7%, B-CARYOPHYLLENE 0.94%, CITRONELLYL FORMATE 6.99%, CITRONELLYL ACETATE 0.29%, MENTHOL 0.06%, GERANYL FORMATE 2.34%, A-HUMULENE 0.17%, GERANYL ACETATE 0.11%, GERMACRENE D 0.68%, A-TERPINEOL 0.14%, CITRONELLOL 28.56%, CITRONELLYL PROPIONATE 1.11%, CITRONELLYL BUTANOATE 1.08%, GERANYL PROPANOATE 0.73%, GERANIOL 14.05%, 10-EPI-GAMMA-EUDESOL 5.38%, GERANYL BUTYRATE 0.78%, CITRONELLYL BUTANOATE 0.59%, GERANYL TIGLATE 0.98%, PHENYLETHYL TIGLATE 0.82%, CARYOPHYLLENE OXIDE 0.10%.

## 10. STABILITY & REACTIVITY.

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.  
DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

### 11. TOXICOLOGICAL INFORMATION.

Found to be non-sensitising, non-irritating and non-photo-toxic to human skin: see Opdyke D.L.J. *Food Cosmet. Toxicol.* (1975) 13, 451 & *FCT* (1976) 14,781.

Acute oral LD<sub>50</sub>: >5g/Kg                      Dermal LD<sub>50</sub> : >5g/Kg

### 12. ECOLOGICAL INFORMATION.

BIODEGRADABILITY:                      Data not available

PRECAUTIONS:                              Prevent surface contamination of soil, ground & surface water.

### 13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

### 14. TRANSPORT REGULATIONS.

Road (ADR/RID):                          n/a

AIR (IATA):                                n/a

SEA (IMDG):                              n/a

CHIP:                                        see section 15

### 15. REGULATORY INFORMATION. According to Directive 88/379/EEC

HAZARDS:                                  n/a

SYMBOLS:                                 n/a

RISK PHRASES:                         n/a

SAFETY PHRASES:                      n/a

### 16. OTHER INFORMATION.

Cosmetics Directive 7<sup>th</sup> Amendment: Restrictions may apply. A source of Citral, Gerianol, Citronello, Limonene and Linalool, listed as sensitisers. Check maximum usage levels for skin care products.

### PACKAGING:

Type

Suitability

Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

### SHELF LIFE

When stored within advised conditions, re-test after 12 months, then at 3 monthly intervals up to a maximum shelf life of 36 months.

### Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy.

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