



Manufacturers of : PERFUMERY COMPOUNDS, NATURAL ESSENTIAL OILS,  
RE-CONSTITUTED OILS (RCO), INDIAN ATTARS & MIXTURE OF ODORIFEROUS SUBSTANCES ETC.  
Works & Corporate Office : A-38, Sector-80, Phase-II, Noida-201305 (U.P.)  
Ph. : 0120-2460868, 4277542, Fax : 0120-2589714  
E-mail : kepl@kantagroup.in, Website : www.kantagroup.in

## Geranium Oil

### Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010  
Date of issue: 02/01/2016 Revision date: 02/01/2015

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#### Section 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product Identifier

Name: Geranium Oil  
EC Number: 290-140-0  
CAS No: 8000-46-2  
INCI Name: Pelargonium graveolens Flower Oil

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

###### 1.2.1. Relevant identified uses

Main use category : Industrial use  
Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Industrial uses: Uses of substances as such or in preparations\* at industrial sites

1.2.2. Uses advised against No additional information available

##### 1.3 Supplier Details

Company Name: Kanta Enterprises Pvt. Ltd.  
Company Contact Details: A-38, Sector – 80, Noida, (201305), U.P. India  
+911 – 23977077,78 +91120 – 4529999,88  
kepl@kantagroup.in

##### 1.4 Emergency Contact Details

Contact Number: +919958082012  
Email ID: [akhil.gupta@kanta-group.com](mailto:akhil.gupta@kanta-group.com)

#### Section 2: Hazards Identification

##### 2.1 Classification of the substance or mixture

###### Classification according to the Regulation (EC) No 1272/2008.

Serious eye damage/eye irritation, Hazard Category 2; H319  
Sensitisation — Skin, Hazard Category 1; H317  
Aspiration hazard, Hazard Category 1; H304

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### 2.2 Label elements according to the Regulation (EC) No 1272/2008.

Número CE: 290-140-0  
Oil, Geranium



#### Hazard Statements:

H305: May be harmful if swallowed and enters airways  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H226: Flammable liquid and vapour

#### Precautionary Statements:

P280: Wear protective gloves/eye protection/face protection.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331: Do not induce vomiting.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P501: Dispose of contents/container to an approved waste disposal plant.

### Section 3: Composition and Information on Ingredients

#### Composition

Name: Geranium Oil  
EC Number: 290-140-0  
CAS No: 8000-46-2  
INCI Name: Pelargonium graveolens Flower Oil  
Substance Description: This product is 100% essential oil  
Main Composition: Linalool (CAS No 78-70-6)  
Citronellol (CAS No 26489-01-0)  
Geraniol (CAS No 106-24-1)

### Section 4: First Aid Measures

#### 4.1 Description of first aid measures

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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**Serious Inhalation:** Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

### 4.2 Most important symptoms and effects, both acute and delayed:

**Symptoms/injuries:** No data available. Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## Section 5: Firefighting measures

### 5.1 Fire Fighting Media and Instructions:

**SMALL FIRE:** Use DRY chemical powder.

**LARGE FIRE:** Use Carbon dioxide, fog or foam. Do not use a heavy water stream

### 5.2. Special hazards arising from the substance or mixture

**Fire hazard :** DIRECT FIRE HAZARD. Material presenting a fire hazard. INDIRECT FIRE HAZARD. Temperature above flashpoint: higher fire/explosion hazard.

**Explosion hazard :** DIRECT EXPLOSION HAZARD. No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD. No data available on indirect explosion hazard.

**Hazardous decomposition products in case of fire:**

Toxic fumes may be released.

### 5.3 Advice for firefighters:

**Precautionary measures fire :** Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.

**Firefighting instructions :** Fire-fighting instructions: no data available. Use water spray or fog for cooling Exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

**Protection during firefighting :** Heat/fire exposure: compressed air/oxygen apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## Section 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

#### 6.1.1. For non-emergency personnel

**Protective equipment :** Gloves. Protective clothing.

**Emergency procedures :** Ventilate spillage area. Mark the danger area. No naked flames. Wash contaminated clothes. Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

**Protective equipment :** Do not attempt to take action without suitable protective equipment. Equip clean-up crew with proper protection. For further information refer to section 8:

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<b>Emergency procedures :</b>	"Exposure controls/personal protection". Ventilate area.
<b>6.2 Environmental precautions:</b>	Avoid contaminating the environment via the sewers or water sources.
<b>6.3 Methods and material for containment and cleaning up</b>	
<b>For containment :</b>	Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.
<b>Methods for cleaning up :</b>	Recover mechanically the product. Cover spill with inert material, e.g.: sand/earth. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
<b>Other information :</b>	Dispose of materials or solid residues at an authorized site.
<b>6.4 Reference to other sections:</b>	See Heading 8. Exposure controls and personal protection. For further information refer to section 13.
<b>Section 7: Handling and Storage</b>	
<b>7.1 Precautions for safe handling</b>	
<b>Precautions for safe handling:</b>	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
<b>Hygiene measures :</b>	Do not eat, drink or smoke when using this product. Always wash hands after handling the product
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	
<b>Storage conditions :</b>	Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
<b>Incompatible materials :</b>	Sources of ignition. Direct sunlight.
<b>Storage temperature :</b>	5 - 15 °C
<b>Heat and ignition sources :</b>	KEEP SUBSTANCE AWAY FROM: heat sources.
<b>Prohibitions on mixed storage :</b>	KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) bases.
<b>Storage area :</b>	Meet the legal requirements.
<b>Special rules on packaging :</b>	SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
<b>Packaging materials :</b>	SUITABLE MATERIAL: No data available. MATERIAL TO AVOID: No data available
<b>7.3. Specific end use(s) :</b>	No additional information available

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### Section 8: Exposure Controls/Personal Protection

<b>8.1 Contrxol Parameters:</b>	No additional information available
<b>8.2 Exposure Controls</b>	
<b>Appropriate engineering controls :</b>	Ensure good ventilation of the work station.
<b>Personal protective equipment :</b>	Avoid all unnecessary exposure.
<b>Materials for protective clothing :</b>	GIVE EXCELLENT RESISTANCE: No data available. GIVE GOOD RESISTANCE: No Data available. GIVE LESS RESISTANCE: No data available. GIVE POOR RESISTANCE: No data available
<b>Hand protection :</b>	Gloves. Wear protective gloves/protective clothing/eye protection protective gloves
<b>Eye protection :</b>	Safety glasses. Chemical goggles or safety glasses. Safety glasses
<b>Skin and body protection :</b>	Protective clothing
<b>Respiratory protection :</b>	High gas/vapour concentration: gas mask. Wear appropriate mask
<b>Environmental exposure controls :</b>	Avoid release to the environment.
<b>Other information :</b>	Do not eat, drink or smoke during use.

### Section 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance:</b>	Almost colorless to light Yellow colour
<b>Odour:</b>	The oil have characteristic odour resembling Rose and Geraniol
<b>Refractive Index:</b>	0.8450 to 0.8970 @ 20°C
<b>Specific Gravity:</b>	1 .4520 to 1.4810 @ 20°C
<b>Flash Points:</b>	64°C

### Section 10: Stability and Reactivity Data

<b>10.1 Reactivity:</b>	Not available.
<b>10.2 Chemical stability:</b>	Stable under normal operating conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.
<b>10.4 Conditions to avoid:</b>	Heat, flames and other sources of ignition. No special precautions other than good housekeeping of chemicals.
<b>10.5 Incompatible materials:</b>	Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.
<b>10.6 Hazardous decomposition products:</b>	Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

### Section 11: Toxicological Information

#### 11.1. Information on toxicological effects

<b>Acute toxicity :</b>	Not classified
<b>Skin corrosion/irritation :</b>	Not classified
<b>Serious eye damage/irritation :</b>	Based on available data, the classification criteria are not met
	Not classified
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<b>Respiratory or skin sensitisation :</b>	Not classified Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity :</b>	Not classified Based on available data, the classification criteria are not met
<b>Carcinogenicity :</b>	Not classified Based on available data, the classification criteria are not met
<b>Reproductive toxicity :</b>	Not classified Based on available data, the classification criteria are not met
<b>Specific target organ toxicity (single exposure) :</b>	Not classified Based on available data, the classification criteria are not met
<b>Specific target organ toxicity (repeated exposure) :</b>	Not classified Based on available data, the classification criteria are not met
<b>Aspiration hazard :</b>	Not classified Based on available data, the classification criteria are not met
<b>Potential adverse human health effects and symptoms:</b>	Based on available data, the classification criteria are not met.

### **Section 12: Ecological Information**

<b>12.1 Acute aquatic toxicity:</b>	Not determined
<b>12.2 Persistence and degradability:</b>	Not available.
<b>12.3 Bioconcentration Factor:</b>	Not available
<b>12.4 Mobility in soil:</b>	Not available.
<b>12.5 Results of PBT and vPvB assessment:</b>	Not determined
<b>12.6 Other adverse effects:</b>	Do not allow the material to enter streams, sewers or other waterways.

### **Section 13: Disposal Considerations**

<b>13.1 Waste treatment methods</b>	
<b>Waste treatment methods :</b>	Dispose of contents/container in accordance with licensed collector's sorting instructions.
<b>Waste disposal recommendations :</b>	Remove to an authorized waste treatment plant. Dispose in a safe manner in accordance with local/national regulations.
<b>Ecology - waste materials :</b>	Avoid release to the environment.

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### **Section 14: Transport Information**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number:** Not regulated for transport

**14.2. UN proper shipping name**

**Proper Shipping Name (ADR) :** Not applicable

**Proper Shipping Name (IMDG) :** Not applicable

**Proper Shipping Name (IATA) :** Not applicable

**14.3. Transport hazard class(es)**

**ADR**

**Transport hazard class(es) (ADR) :** Not applicable

**IMDG**

**Transport hazard class(es) (IMDG) :** Not applicable

**IATA**

**Transport hazard class(es) (IATA) :** Not applicable

**14.4. Packing group**

**Packing group (ADR) :** Not Restricted

**Packing group (IMDG) :** Not Restricted

**Packing group (IATA) :** Not Restricted

**14.5. Environmental hazards**

**Dangerous for the environment :** No

**Marine pollutant :** No

**Other information :** No supplementary information available

**14.6. Special precautions for user**

**- Overland transport**

**Transport regulations (ADR) :** Insufficient data

**- Transport by sea**

**Transport regulations (IMDG) :** Insufficient data

**- Air transport**

**Transport regulations (IATA) :** Insufficient data

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### **Section 15: Other Regulatory Information**

#### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Substances are either included in EINECS, ELINCS, NLP inventories or exempt.

#### **15.2 Chemical safety assessment:**

Not available.

### **Section 16: Other Information**

#### **16.1 Data Source:**

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council
3. Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work).

**16.2 Other Information:** None.

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 M/s Kanta Enterprises Pvt Ltd will 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 ScienceLab.com has been advised of the possibility of such damages.