

Geranium SAFETY DATA SHEET

**1. Identification of the substance/preparation and of the company/undertaking**

*Identification of the product*

Product name: **Geranium (*Pelargonium odorantissimum/graveolens*)**

*Manufacturer/supplier identification*

Company: Calmer Solutions Limited  
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Outwood  
Surrey  
RH1 5QR.  
Telephone: +44 (0)1342 844658  
Telefax: +44 (0)1737 306065

Emergency Telephone No: Please contact your local NHS Direct

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**2. Composition/information on main ingredients**

Main ingredients: Essential oil of geranium

CAS No USA: 8000-46-2

EC Number: 290-140-0

EINECS No: 90082-51-2

FEMA No:

CoE No:

TSCA:

Percentage of Hydrocarbon: 15

Concentration: 100%

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### 3. Hazards identification



Main hazards:	Flammable
Health effect - eyes:	Irritating to eyes
Health effect - skin:	Irritating to skin, prolonged dose may cause dermatitis
Health effect - ingestion:	A large dose may cause irritation of mouth, throat and digestive tract. May cause lung damage if swallowed
Health effect – inhalation	May cause irritation to the lungs

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### 4. First aid measures

**First aid - eyes:**

Immediately flood the eye with plenty of water for at least 10 minutes holding eye open. OBTAIN MEDICAL ATTENTION.

**First aid - skin:**

Wash skin thoroughly with soap and water. Contaminated clothing should be washed before re-use. OBTAIN MEDICAL ATTENTION.

**First aid - ingestion:**

Immediately wash out mouth with water. Keep warm and at rest. Do not induce vomiting. OBTAIN MEDICAL ATTENTION.

**First aid - inhalation:**

Remove from exposure. If breathing is difficult give oxygen.

**Advice to physicians** - Treat symptomatically

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### 5. Fire fighting measures

**Suitable extinguishing media:** Use carbon dioxide, foam or dry powder.

**Unsuitable extinguishing media:** Great care should be taken if using a water jet.

**Special hazards of product:** This product may give rise to hazardous fumes in fire.

**Protective equipment for fire fighting:** If fire severe wear self contained breathing apparatus.

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## **6. Accidental release measures:**

**Personal protection:**

Wear appropriate protective clothing.

**Environmental precautions:**

Prevent the material from entering drains or water courses. Advise Authorities if such spillage does occur.

**Spillage:**

Contain spillage using earth, sand or other inert absorbent material.

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## **7. Handling and storage**

**Handling:**

Keep container tightly closed when not in use. Use only in well ventilated area. Avoid contact with eyes, skin and clothing. Emergency showers and eye wash facilities must be readily available.

**Storage:**

Suitable storage is stainless steel, glass and aluminium. Store in a cool dry dark place, ideally below 0C.

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## **8. Exposure controls/personal protection**

As appropriate to quantity handled

**Respirator:** Not normally required

**Hand protection:** PVC or rubber gloves

**Body protection:** If danger of splashing wear PVC or rubber apron

**Eye Protection:** Chemical goggles must be worn during handling

**Engineering control measures:**

Engineering methods to prevent or control exposure are preferred. Methods include personnel segregation, mechanical ventilators and control of process conditions.

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**9. Physical and chemical properties**

Form: Mobile liquid  
Colour: Clear yellow/green  
Odour: Characteristic of geranium

Boiling temperature: No Data  
Density (kg/m<sup>3</sup>): 0.883 - 0.890  
Optical Rotation:  
Vapour pressure: Not Applicable  
- Density: Not Applicable  
Solubility in water: Completely insoluble

Flash point: 46°C (Closed cup)  
Explosion limits: lower: Unknown  
upper: Unknown  
Ignition temperature: Unknown

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**10. Stability and reactivity**

**Stability:** Stable under normal conditions

**Incompatibility:** Strong oxidising agents

**Hazardous Combustion & Decomposition:** Combustion will lead to oxides of carbon.

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**11. Toxicological information**

Acute toxicity: Low order of acute toxicity

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**12. Ecological information**

Mobility: No part of this product will dissolve rapidly in water

Bioaccumulation: Product not expected to bioaccumulate

Exotoxicity: No Data

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### **13. Disposal considerations**

Product disposal: Dispose of in accordance with all applicable local and national regulations.

Container disposal: Labels should not be removed from containers until they have been cleaned. Contaminated containers should not be treated as household waste. Containers should be cleaned using appropriate methods and then re-used (re-cycled) or disposed of by landfill or incineration as appropriate.

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### **14. Transport information**

Description: Flammable liquid s n.o.s.

UN-No.: 1993 RID: 30

Class: 3.3 Packing Group: III

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### **15. Regulatory information**

*Labelling according to EC directives*

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R-phrases: R10 Flammable  
(Risk) R65 Harmful: may cause lung damage if swallowed

S-phrases: S62 If swallowed, do not induce vomiting: seek medical advice  
(Safety) immediately and show this container or label

Einecs Listing: All components are either Einecs listed or classified as polymers

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## **16. Other information**

The information and recommendations contained in this data sheet are believed to be accurate and represent the best information currently available to us. No warranty, guarantee or representation is made by Calmer Solutions Limited as to the correctness or sufficiency of the information and recommendations in this data sheet, nor can it be assumed that all possible safety measures are contained in this data sheet or that additional measures may not be required under varying conditions and circumstances.

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**Please ensure that this Safety Data Sheet is passed to the appropriate person(s) in your company, who is (are) capable of acting on the information.**

