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## SAFETY DATA SHEET

(according to Regulation (EU) No. 1907/2006)

### PRODUCT: GERANIUM (BOURBON TYPE) ESSENTIAL OIL

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

- 1.1 **Product identifier :** GERANIUM (BOURBON TYPE) ESSENTIAL OIL  
**Chemical name:** Pelargonium (graveolens) roseum (Bourbon Geranium) Flower Oil  
**CAS:** 90082-55-6      8000-46-2      **EC Number:** 290-140-0  
**Index No / Inventory Num.:** -      **REACH Registration number:** --/--
- 1.2 **Usage:** This product is only intended for using as an ingredient in the manufacturing of mixtures.  
**Strongly discouraged:** Not intended for the general public.
- 1.3 **Details of the supplier of the safety data sheet:**  
Highland Essential Oils  
Vlakkult farm  
Clocolan  
9735  
South Africa  
Mobile: Flip +27 (0) 83 303 8253    or    Riana +27(0) 82 789 3035  
info@highlandessentialoils.co.za
- 1.4 **Emergency telephone number:** +27 (0) 83 303 8253

#### SECTION 2: Hazards identification

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

H315 May Causes skin irritation  
H317 May cause an allergic skin reaction  
H318 Causes eye damage

##### 2.2 Label elements

EC Number: 1272/2008

##### 2.3 Other hazards

Not available.

#### SECTION 3: Composition/information on ingredients

##### 3.1 Substances

Concentration range of the constituent (% weight/weight)	CE Number / Registration Number	CAS	Chemical name	Symbol(s); Risk phrase(s) / Hazard Class and Category Code; Hazard statement codes
25 - 100%	290-140-0	90082-55-6	PELARGONIUM ROSEA oil	

See section 16 for the full text of the risk phrases / Hazard statement codes declared above.

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

###### Consumption:

If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.

###### Eye contact:

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.



**Inhalation:**

Remove person to fresh air and keep at rest.

**Skin contact:**

Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

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

Read label before use. No additional information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

Not available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media:**

Carbon dioxide dry chemical powder or appropriate foam For safety reasons do not use full water jet.

**5.2 Special hazards arising from the substance or mixture:**

Not applicable.

**5.3 Advice for firefighters:**

Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapours. Use appropriate respiratory protection. Prevent run-off from fire fighting to enter drains or water courses.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition. Wear appropriate gloves to prevent skin exposure. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.

**6.2 Environmental precautions:**

Avoid contaminating the environment via the sewers or water sources.

**6.3 Methods and material for containment and cleaning up:**

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

**6.4 Reference to other sections:**

See section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling:**

Keep away from food, drink and animal feeding stuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities:**

Keep the product in its original container well sealed in a dry and ventilated area, at 5°C

**7.3 Specific end use(s):** Not available**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Declarations of substances is not required

Occupational Exposure Limits:

**8.2 Exposure controls**

Personal protection equipment: Use personal protection equipment according to Directive 89/686/EEC. Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Respiratory Protection: Use personal breathing apparatus whenever deemed necessary.

Skin Protection: Avoid contact with skin. Compatible chemical-resistant gloves are recommended.

Engineering Controls-Ventilation: The areas where the product is handled and stored should be adequately ventilated.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance: LIQUID  
Colour: LIGHT GREEN TO YELLOW  
Odour: Geranium flowery green rosy spicy  
Boiling Point: 298°C  
Density: 00.874-0.894 (20 °C)  
Flash Point: 94°C  
Refractive Index: 1.455-1.475 nD(20)±8  
Additional information: Not applicable.  
Specific rotation: -2 – 12°

**SECTION 10: Stability and reactivity**

**10.1 Reactivity:** It presents no significant reactivity hazards.

**10.2 Chemical stability:** Stable under normal operating conditions.



### 10.3 Possibility of hazardous reactions:

**Hazardous Polymerization:** It does not undergo any dangerous reactions under normal conditions.

### 10.4 Conditions to avoid:

Avoid excessive heat, sparks or open flame.

No special precautions other than good housekeeping of chemicals.

### 0.5 Incompatible materials:

None known.

### 10.6 Hazardous decomposition products:

Liable to cause smoke and acid fumes during combustion

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Primary irritant effect on the skin: Irritant to skin and mucous membranes. .

Effect on the eye: Strong irritant with the danger of severe eye injury. .

Sensitization: Sensitization possible through skin contact. .

Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant . Sensitisation May cause sensitisation by skin contact

## SECTION 12: Ecological information

**12.1 Acute aquatic toxicity:** Harmfull

**12.2 Persistence and degradability:** Not available.

**12.3 Bioconcentration Factor:** Not determined

**12.4 Mobility in soil:** Not available.

**12.5 Results of PBT and vPvB assessment:** Not determined.

**12.6 Other adverse effects:** Do not allow the material to enter streams, sewers or other waterways.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Container disposal: Do not reuse empty containers.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

## SECTION 14: Transport information

### International Carriage of Dangerous Goods by Road (ADR)

UN No.:	N*/A
Proper Shipping Name:	Not subject to ADR no transport restrictions
Packing Group:	
Class:	
Tunnel restriction code:	
Label:	

### Air Transport (ICAO/IATA)

UN No.:	.....
Proper Shipping Name:	Not restricted
Class:	
Packing Group:	

### Sea Transport (IMDG)

UN No.:	
Proper Shipping Name:	Not restricted
Class:	
Packing Group:	
EmS:	
Marine Pollutant:	No

## SECTION 15: 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 Hazards:

Harmful Symbols:

Xn

### 15.3 Risk Phrases:

R38 Irritating to skin

R43 May cause sensitisation by skin contact

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

R65 Harmful: May cause lung damage if swallowed



#### 15.4 Safety Phrases:

S24 Avoid contact with skin

S62 If swallowed, do not induce vomiting, seek medical advice immediately and show the container or label.

#### SECTION 16: Other information

This material should only be used for industrial purposes.

Key literature references and sources for data::

1. Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.
2. Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
3. 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 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.
4. 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.

Reason for Change: N/A

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