GERANIUM OIL SAFETY DATA SHEET

SECTION 1: MATERIAL & SUPPLY COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: GERANIUM OIL
CAS Number.: 8000-46-2
EINECS: 290-140-0

1.2 Relevant identified uses of the substance or mixture

No further relevant information available Application of the substance / preparation: Perfumes & cosmetics

1.3 Manufacturer / Supplier Details

Supplier: Heirloom Body Care
Address: Unit 9, 28 Coombes Drive PENRITH NSW 2750
Telephone: 02 4722 2123
Fax: 02 4722 2904
Email: heirloom@heirloombodycare.com.au

1.4 Information in case of emergency

Emergency Telephone: 02 4722 2123

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance / preparation

Classification according to Regulation (EC) No.	1272/2008
Health Hazards:	AT 1; EDI 1; SCI 2; SS 1
Environmental Hazards:	EH-C 3

2.2 Label Elements

Labeling according to Regulation (EC) No. 1272/2008

GHS Signal Word

DANGER

Hazard Statements	
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H412	Harmful to aquatic life with long lasting effects

Precautionary Statements	
P273	Avoid release into the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310	IF SWALLOWED: Immediately call a Poisons Centre or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact Lenses if present and continue rinsing
P332 + P313	If skin irritation occurs seek medical advice
P501	Dispose of contents/the container in accordance with local government regulations

2.3 Other hazards

May cause skin irritation/allergy. Patch test recommended

Allergens in accordance with Directive No 2003/15/EC

- Citronellol (18.0 to 32.0%)
- Geraniol (7.0 to 21.0%)
- Linalool (≤ 5.0%)
- Citral (Geranial + Neral) (≤ 3.0%)
- d-limonene (≤ 0.5%)

SECTION 3: PRODUCT COMPOSITION

3.1 Chemical Identification

Description: Pelargonium graveolens
CAS No.: 8000-46-2
EINECS No.: 290-140-0

Chemical Name	CAS No.	EINECS	Regulation (EC) No 1272/2008	Limit
Citronellol	106-22-9	203-375-0	SCI. 2, H315; SS. 1, H317	≤ 32.0 %
Geraniol	106-22-9	203-375-0	SC/I 2, H315; ED/I 1, H318 SS 1, H317	≤ 21.0 %
Citronellyl acetate	150-84-5	205-775-0	SC/I 2, H315; ED/I 2, H317 SS 1, H317	≤ 12.0 %
β-caryophyllene	87-44-5	201-746-1	AT 1, H304	≤ 5.0 %
Linalool	78-70-6	201-134-4	SCI 2, H315	≤ 5.0 %
p-cymene	99-87-6	202-796-7	FL3, H226; AT 1, H304	≤ 4.0 %
Citral	5392-40-5	226-394-6	SC/I 2, H315; SS 1, H317	≤ 3.0 %
Geranyl acetate	127-91-3	204-872-5	FL 3, H226; AT 1, H304 SS 1, H317 EH-A 1, EH-C 1, H410	≤ 3.5 %

SECTION 4: FIRST AID

4.1 Description of first aid measures

Eye Contact:	Check for and remove any contact lenses. Immediately wash thoroughly with soft, clean water for 15 minutes while holding the eyelids open. Cold water may be used. If symptoms persist, seek medical attention.
Skin Contact:	▪ Remove any contaminated clothing and footwear. Clean before re-use. ▪ Wash affected areas thoroughly with soap and water for at least 15 minutes. In the event of an allergic reaction, seek medical attention
Inhalation:	▪ Remove individual from the exposure to fresh air. ▪ Contact a physician as necessary.
Ingestion:	Not an expected route of exposure. If swallowed, **DO NOT** induce vomiting. Wash out mouth with water. Contact a physician or local poison centre immediately.
Contact Point:	Poisons Information Centre Sydney Telephone: 131126

4.2 Most important symptoms and effects of substance, both acute and delayed

Eye contact:	May cause eye irritation and corneal damage if not immediately rinsed out.
Skin Contact:	Repeated contact may cause allergic dermatitis
Inhalation:	Remove subject and place in a fresh air environment
Ingestion:	Not an expected route of exposure

4.3 Indication of immediate medical attention and any special treatment required

No further relevant information available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

- Suitable extinguishing agents: Carbon Dioxide; Dry Chemical; Water spray; Alcohol-resistant foam.
- Unsuitable Extinguishing Media: Water jet (Use of a water jet may cause the fire to spread)

5.2 Special hazards arising from the substance or mixture

None known

5.3 Advice for firefighters

Use self-contained breathing apparatus and wear protective clothing

Additional information

- Collect contaminated firefighting water separately to prevent from entering waterways.
- Contact Point: Dial 000 Emergency in case of fire [In Australia] or Local Emergency Authority [Out of Australia].

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Ventilate area. Do not smoke.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Wipe up small spills with absorbent material such as paper cloth. Cover larger spills with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labelled containers. Take precautionary measures against static discharges. Keep away from ignition sources, do not smoke and avoid flames. Dispose of contaminated material in accordance with local government regulations

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment

See Section 13 for disposal information

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin, eyes and avoid inhalation. Use glasses and protective gloves. Ensure there is adequate ventilation. Do not smoke. Take necessary action to avoid static discharge (which might cause ignition of organic vapours).

7.2 Conditions for storage

Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers. Keep away from heat.

Incompatible products None known based on information supplied.

7.3 Specific end use:

No further information available

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Not regulated

8.2 Exposure Controls

Respiratory Protection	Not generally required in well ventilated workplace
Ventilation Protection	Ensure adequate ventilation to keep exposure levels to a minimum. General exhaust is recommended
Eye Protection	Use of goggles is recommended
Protective Gloves	Use of chemical resistant (nitrile) gloves is recommended
Protective Clothing	Use of chemical resistant clothing is recommended
Protective Equipment	An eyewash station should be made available

8.3 Engineering Controls

None established.

8.4 Other Personal Protection

Consult the following Australian Standards for general advice regarding safety clothing and equipment:

- Respiratory Equipment: **AS/NZS 1715,**
- Protective Gloves: **AS 2161,**
- Industrial Clothing: **AS 2919,**
- Industrial Eye Protection: **AS 1336** and **AS/NZS 1337,**
- Occupational Protective Footwear: **AS/NZS 2210.**

Note

These precautions are for room temperature handling. Use at elevated temperature applications may require additional precautions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Physical appearance at 20°C:	Clear mobile liquid
Colour:	Pale yellow to green
Odour:	Characteristic, rosy
pH when measurable:	Not available
Melting point & Freezing point:	N.A.
Initial boiling point:	N.A.
Flash point:	60°C
Vapour pressure:	N.A.
Vapour Density (air = 1):	N.A.
Relative density at 20°C:	0.848 to 0.870
Solubility in water (g/litre @ 20 °C):	Insoluble
Solubility in ethanol:	Soluble
Viscosity:	N.A.
Explosive properties:	▪ Lower & Upper Limits: N.A. ▪ Explosion hazards: No risk at room temperature, comply with current legislation requirements
Combustion Properties:	Does not contain any substance known as to ignite spontaneously.
Refractive index at 20 °C:	1.464 to 1.472
Optical rotation at 20°C:	-13.0 ° to -7.0 °
Main Constituents:	▪ Citronellol (18 to 32%) ▪ Geraniol (7.0 to 21.0%)

	▪ Citronellyl acetate (5.0 to 12.0%) ▪ Linalool (5.0 to 12.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

This material presents no significant reactivity hazard and is stable to shock, vibration and pressure under normal conditions of use. In the presence of light and heat, there may be oxidation.

10.2 Stability

Chemically stable material under the recommended storage and handling conditions in Section 7

10.3 Possibility of hazardous reactions

When exposed to high temperatures, the substance may release hazardous decomposition products such as carbon monoxide, carbon dioxide, fumes, and nitrogen oxide

10.4 Conditions to avoid

Do not heat above 41°C. Do not expose containers to the sun.

10.5 Incompatible materials

Strong oxidising agents

10.6 Hazardous decomposition products

No dangerous decomposition products expected by intended use

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: No data available.

Skin corrosion/irritation: May cause an allergic skin reaction. See Section 3.

Serious eye damage/irritation: No significant effects or critical hazards

Carcinogenicity: No significant effects or critical hazards

Germ cell mutagenicity: No significant effects or critical hazards

Reproductive toxicity: No significant effects or critical hazards

STOT-single exposure: Not specified

STOT-related exposure: Not specified

Aspiration hazard: May be fatal if swallowed and enters airways.

11.2 Information on the likely routes of exposure

Skin/scalp contact.

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

None known. Irritation of the eye if exposed

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Harmful to aquatic life with long term effects.

12.2 Persistence and degradability

Data not available

12.3 Bio-accumulative potential

Data not available

12.4 Mobility in soil

Data not available

12.5 Other adverse effects

Avoid exposure to marine environments and waterways

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Do not pour into drains or waterways. Waste management to be carried out without risk to water, air, soil, plants or animals. Place waste material into sealed containers and dispose of in accordance with current applicable laws and regulations.

13.2 Contaminated Packaging

Recycle where possible and dispose of empty containers in accordance with current local government regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number

3082

14.2 UN Proper shipping name

Environmentally hazardous substance, liquid, N.O.S.

14.3 Transportation hazard classes

Road and Rail Transport:

Classified as Hazardous according to the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport:

Classified as Environmentally Hazardous according to the criteria of the ADG Code for transport by sea.

Air Transport:

Classified as hazardous by the criteria of the International Air Transport Association as (IATA) Dangerous Goods Regulations for transport by air.

14.4 Packing group

III

14.5 Environmental hazards

14.6 Poison Schedule

Not scheduled as a poison

14.7 Hazchem Code

Not regulated

SECTION 15: REGULATORY INFORMATION

15.1 Regulations

This product has been classified and marked in accordance with the EU Directives/Ordinance on Hazardous Materials.

15.2 Poisons Schedule (Aust):

Listed as a Poison by the SUSDP.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS). This material in neither hazardous nor dangerous.

SECTION 16: OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Heirloom Body Care provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is thus, intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for the specific purpose. As the ordinary or otherwise use(s) of this product is outside the control of Heirloom Body Care., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained.

Heirloom Body Care expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by Heirloom Body Care as to the fitness for any use. The liability of Heirloom Body Care is limited to the value of the goods and does not include any consequential loss.

Heirloom Body Care shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Heirloom Body Care shall not be responsible for any damages resulting from use of or reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

Manufacturers Statement:

Essential oils are complex, naturally derived chemicals. Often the constituents of the EOs may individually have known risks and hazards, and in some cases the constituents have not been studied, often because there have been no complaints.

Used as directed and within the limits specified by the various agencies and associations that study these materials, essential oils are safe and useful ingredients in flavours, fragrances, cosmetics and therapeutic applications. Please refer to the guidelines of the industry in which the product will be offered to the public to abide by the safest known practices. Those organizations include: IFRA, IFEAT, AHPA, ISO Standards for Essential Oils, and publications by various government health organizations regarding the use of these materials.