

## MATERIAL SAFETY DATA SHEET

### ORGANIC GERANIUM ROSE OIL



<b>SECTION 1: Identification of the substance/mixture and of the company/undertaking</b>
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#### 1.1 Product Identifier

Product Name: Geranium Oil, Rose, Organic

Biological Definition: The volatile oil steam distilled from the flowering herb pelargonium graveolens var roseum.

INCI Name: Pelargonium Graveolens Flower Oil

Synonyms & Trade Names :

FEMA No.: - - -

FDA No. -

CoE No. 324

CAS-No 90082-51-2/8000-46-2

EC No.:

EINECS No. : 290-140-0/-

## **1.2 Details of the supplier of the safety data sheet**

Company Identification:

G. Baldwin & Co.

173 Walworth Road,

LONDON, ENGLAND. SE17 1RW.

Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264

E-mail: [info@baldwins.co.uk](mailto:info@baldwins.co.uk)

Web: [www.baldwins.co.uk](http://www.baldwins.co.uk)

1.3. Emergency telephone number

Emergency tel: +44 (0) 207 703 5550

(office hours only)

<b>SECTION 2: Hazards identification</b>
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### **2.1 Classification of the substance or mixture**

Classification (67/548/EEC)

Xn; R38-41-43-52/53-65, S24-26-37-39-61-62

Classification (EU 1272/2008)

UN-GHS: FL 4, ATO 5(4000), AH 1, SCI 2, EDI 1, SS 1, EH A2,C3

EU-CLP: AH 1, SCI 2, EDI 1, SS 1

### **2.2 Label elements**

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:

GHS05 GHS07 GHS09

Signal word:

Danger

Contains: Linalool, citronellyl formate, citronellol, geraniol, geranyl acetate

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

Precautionary Statements:

P262 Do not get in eyes, on skin or on clothing

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 Do not induce vomiting

P305/351/338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Supplementary Precautionary

Statements:

N/A

Risk phrases and Safety phrases in full refer to Section 16 – Other Information

## 2.3 Other hazards

Adverse physio-chemical properties

Combustible but will not self-ignite

Adverse effects on human health

Repeated or prolonged skin contact may cause sensitisation

<b>SECTION 3: Composition/information on ingredients</b>
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## 3.1 Substances

25% - 50% Citronellol CAS: 106-22-9 UN-GHS: ATO 5(3450); ATD 5(2650); SCI 2; SS 1; EH A2

10% - 25% Geraniol CAS: 106-24-1 UN-GHS: ATO 5(4200); SCI 2; EDI 1; SS 1; EH A2

10% - 25% Linalool CAS: 78-70-6 UN-GHS: ATO 5(3000), EDI 2A, EH A3,SCI2

2.5% - 10% Menthone CAS: 89-80-5 UN-GHS: ATO 5(2500); SCI 3; EH A3,C3

2.5% - 10% Geranyl acetate CAS: 105-87-3 UN-GHS: SCI 3 ;EH A2,C2

<2.5% Terpineol CAS: 8000-41-7 UN-GHS: ATO 5(4300); SCI 2; EDI 2A

### **3.2 Mixtures**

EU INCI: N/A

US INCI: N/A

<b>SECTION 4: First aid measures</b>
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#### **4.1 Description of first aid measures**

General Information

See categories below

Inhalation

Remove from exposure area to fresh air. Contact a doctor if necessary.

Ingestion

Wash mouth out with water and obtain medical advice immediately.

Skin Contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

#### Eye Contact

Flush with plenty of water and seek medical advice if necessary.

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

N/A

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

N/A

### **SECTION 5: Fire fighting measures**

#### **5.1 Extinguishing Media**

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.

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

None

#### **5.3 Advice for fire-fighters**

Wear protective clothing. Avoid inhalation of vapours. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions**

Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.

#### **6.2 Environmental precautions**

Do not discharge directly into drains or soil. Keep away from surface and ground water.

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

Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

#### **6.4 References to other sections.**

Please refer to Section 8 – Exposure controls/personal protection for further information on personal precautions

Please refer to Section 13 – Disposal Considerations for further information on waste treatment.

### **SECTION 7: Handling and Storage**

#### **7.1 Precautions for safe handling**

Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

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

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.

#### **7.3 Specific end use(s)**

N/A

### **SECTION 8: Exposure controls/personal protection**

#### **8.1 Control Parameters**

None

#### **8.2 Exposure Controls**

Eye protection: Use safety glasses.

Hand protection: Avoid all skin contact. Use chemically resistant gloves if required.

Respiratory Equipment: As required. Avoid breathing product vapour.

Hygiene Measures: Wash hands with soap & water after handling.

Engineering Measures: Ensure good ventilation of working area.

<b>SECTION 9: Physical and chemical properties</b>
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**9.1 Information on basic physical and chemical properties**

Appearance

Clear mobile liquid

Colour

Pale green/yellow

Odour

Characteristic

Relative Density

0.870 to 0.960 @ 20°C

Flash Point (°C)

86 c/c

Refractive Index

1.450 to 1.480 @ 20°C

Melting Point (°C)

Not given

Boiling Point (°C)

Not given

Vapour Pressure

Not determined

Solubility in Water @20°C

Negligible

Auto-ignition temperature (°C)

Not determined

## **9.2 Other information**

N/A

<b>SECTION 10: Stability and reactivity</b>
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### **10.1 Reactivity**

It presents no significant reactivity hazards, by itself or in contact with water.

### **10.2 Chemical stability**

Stable under normal temperature conditions.

### **10.3 Possibility of hazardous reactions**

None

### **10.4 Conditions to avoid**

Avoid storage temperatures above 25°C

### **10.5 Incompatible materials**

Avoid contact with strong acids, alkalis and oxidising agents.



## **10.6 Hazardous decomposition products**

Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

<b>SECTION II: Toxicological information</b>
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### **11.1 Information on toxicological effects.**

Acute toxicity:

Acute oral toxicity Orl-rat LD<sub>50</sub>: >5g/kg

Dermal LD<sub>50</sub>: >5g/kg: see Opdyke D.L.J. Food cosmet. Toxicol. (1975) 13, 451  
& FCT (1976) 14, 781

Skin corrosion / irritation:

Skin irritation Hazard Category 2 under EC 1272/2008 guidelines

Serious eye damage/irritation:

Serious eye damage Hazard Category 1 under EC 1272/2008 guidelines

Respiratory or skin sensitisation:

Skin sensitisation Hazard Category 1 under EC 1272/2008 guidelines

Germ cell mutagenicity:

Not determined

Carcinogenicity:

Not determined

Reproductive toxicity:

Not determined

STOT-single exposure:

Not determined

STOT-repeated exposure:

Not determined

Aspiration hazard:

Not classified

Other information:

Not photo-toxic

<b>SECTION 12: Ecological information</b>
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**12.1 Toxicity**

Toxic to aquatic life with long-lasting effects. No toxicity data available for the mixture or substances.

**12.2 Persistence and degradability**

Not determined.

**12.3 Bio-accumulative potential**

Not determined.

**12.4 Mobility in soil**

Not determined.

**12.5 Results of PBT and VPVB assessment**

Not determined.

**12.6 Other adverse effects**

N/A

<b>SECTION 13: Disposal considerations</b>
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**13.1 Waste Treatment Methods**

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

<b>SECTION 14: Transport information</b>
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Warning Icon

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN No. Road

UN 3082

ADR Class

Class 9

Hazard No (ADR)

9

Hazchem Code

•3Z

UN No. SEA

UN 3082

IMDG Class

Class 9

IMDG Pack Gr.

Pk Gp III

EMS

F-A, S-F

UN No. AIR

UN 3082

Air Class

Class 9

Air Pack Gr.

Pk Gp III

<b>SECTION 15: Regulatory information</b>
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**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Directives

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European

Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC)

No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and

Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716)).

Approved Code of Practice  
Classification and Labelling of Substances and Preparations Dangerous for  
Supply. Safety Data

Sheets for Substances and Preparations  
Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

**15.2 Chemical safety assessment**

An assessment has not been executed at this time.

<b>SECTION 16: Other information</b>
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Training instructions: Refer to possible hazard before use of this product.

Abbreviations and acronyms:

MSDS

Material Safety Data Sheet

INCI

International Nomenclature of Cosmetic Ingredients

CAS

Chemical Abstract Service

IMDG

International Maritime Code for Dangerous Goods

ADR

Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous  
Goods by Road)

RID

International Carriage of Dangerous Goods by Rail

ICAO

International Civil Aviation Organization

ADN

International Carriage of Dangerous Goods by Inland Waterways

GHS

Globally Harmonized System of Classification and Labelling of Chemicals

Trem Card

Transport Emergency Card

STOT

Specific Target Organ Toxicity

N/A

Not Available

Risk Phrases in full:

R38 Irritating to skin

R41 Risk of serious damage to eyes

R43 May cause sensitisation by skin contact

R52/53 harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful, may cause lung damage if swallowed

Safety Phrases in full:

S24 Avoid contact with skin

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves

S39 Wear eye/face protection

S61 Avoid release to the environment. Refer to special instructions / safety data sheets

S62 If swallowed, do not induce vomiting: seek medical advice immediately

Complies with REACH guidance for SDS as circulated by ECHA 2011.

Disclaimer:

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