

## **MATERIAL SAFETY DATA SHEET**

### **GERANIUM OIL (CHINA)**

<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 CHINA

REACH registered name: PELARGONIUM GRAVEOLENS, EXT

CAS number: 90082-51-2

EINECS number: 290-140-0

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

Use of substance / mixture: E.U Commodity Code: 3301 29 41 INCI Name:  
Pelargonium graveolens.

#### **1.3. Details of the supplier of the safety data sheet**

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)

#### **1.4. 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 under CLP: Skin Corr. 1A: H314; Skin Sens. 1: H317; Aquatic  
Chronic 3: H412; -: EUH208

Most important adverse effects:

Contains citral, limonene. May produce an allergic reaction. Causes severe skin  
burns and eye damage. May cause an allergic skin reaction. Harmful to aquatic  
life with long lasting effects.

#### **2.2. Label elements**

Hazard statements: EUH208: Contains citral, limonene. May produce an allergic  
reaction.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark

Precautionary statements:

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

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

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+352: IF ON SKIN: Wash with plenty of water/soap.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

### 2.3. Other hazards

Other hazards: Risk of explosion if heated under confinement.

PBT: This product is not identified as a PBT/vPvB substance.

<b>Section 3: Composition/information on ingredients</b>
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### 3.2. Mixtures

Hazardous ingredients:

#### CITRONELLOL

EINECS CAS PBT / WEL CLP Classification Percent

296-654-1 92908/26/4 Skin

Sens. 1B: H317; Eye Irrit. 2:

H319; Skin Irrit. 2: H315

30-50%

## GERANIOL

203-377-1 106-24-1 Skin

Irrit. 2: H315; Skin Sens. 1: H317;

Eye Irrit. 2: H319; Eye Dam. 1: H318

10-30%

## LINALOOL

201-134-4 78-70-6 Skin

Irrit. 2: H315; Eye Irrit. 2: H319 1-10%

## PINENE ALPHA

201-291-9 80-56-8 Flam.

Liq. 3: H226; Skin Irrit. 2: H315;

Skin Sens. 1B: H317; Asp. Tox. 1:

H304

<1%

## CITRAL

226-394-6 5392-40-5 Skin

Irrit. 2: H315; Skin Sens. 1: H317 <1%

## LIMONENE

227-813-5 5989-27-5 Flam.

Liq. 3: H226; Skin Irrit. 2: H315;

Skin Sens. 1: H317; Aquatic Acute 1:

H400; Aquatic Chronic 1: H410; Asp.

Tox. 1: H304

<1%

Contains: Essential oil of *Pelargonium graveolens*, Geraniceae. (distilled)

100 % pure and natural from named source

## **Section 4: First aid measures**

### **4.1. Description of first aid measures**

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Not applicable.

## **Section 5: Fire-fighting measures**

### **5.1. Extinguishing media**

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

Exposure hazards: In combustion emits toxic fumes.

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

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

<b>Section 6: Accidental release measures</b>
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### **6.1. Personal precautions, protective equipment and emergency procedures**

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### **6.2. Environmental precautions**

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

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

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### **6.4. Reference to other sections**

Reference to other sections: Refer to section 8 of SDS.

## **Section 7: Handling and storage**

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

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging.

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

Specific end use(s): No data available.

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

### **8.1. Control parameters**

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

### **8.2. Exposure controls**

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

## **Section 9: Physical and chemical properties**

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

State: Liquid

Colour: Green

Odour: sharp alliaceous

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Non-viscous

Flash point°C: 77 Part.coeff. n-octanol/water: 1.4580 to 1.4740

Vapour pressure: -7.0 to -15.0 Relative density: 0.880 to 0.898

pH: 15

### **9.2. Other information**

No data available.

## **Section 10: Stability and reactivity**

### **10.1. Reactivity**



Reactivity: Stable under recommended transport or storage conditions.

### **10.2. Chemical stability**

Chemical stability: Stable under normal conditions.

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

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### **10.4. Conditions to avoid**

Heat.

### **10.5. Incompatible materials**

Materials to avoid: Strong oxidising agents. Strong acids.

### **10.6. Hazardous decomposition products**

Haz. decomp. products: In combustion emits toxic fumes.

<h2><b>Section II: Toxicological information</b></h2>
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### **II.1. Information on toxicological effects**

Toxicity values:

Route Species Test Value Units

SKN GPG 100

% MLD

SKN RBT 500

mg/24H MLD

Hazardous ingredients:

GERANIOL

IMS MUS LD<sub>50</sub> 4000 mg/kg

IVN RBT LDLO 50 mg

ORL RAT LD<sub>50</sub> 3600 mg/kg

CITRAL

IPR RAT LD<sub>50</sub> 460 mg/kg

ORL MUS LD<sub>50</sub> 6 gm/kg

ORL RAT LD<sub>50</sub> 4960 mg/kg

LIMONENE

IVN MUS LD<sub>50</sub> 1010 µl/kg

ORL MUS LD<sub>50</sub> 5550 µl/kg

ORL RAT LD<sub>50</sub> 5300 mg/kg

Relevant hazards for substance:

Hazard Route Basis

Skin corrosion/irritation DRM Hazardous: calculated

Serious eye damage/irritation OPT Hazardous: calculated

Respiratory/skin sensitisation DRM Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

<b>Section 12: Ecological information</b>
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#### **12.1. Toxicity**

Ecotoxicity values: No data available.

#### **12.2. Persistence and degradability**

Persistence and degradability: Not biodegradable.

#### **12.3. Bioaccumulative potential**

Bioaccumulative potential: Bioaccumulation potential.

#### **12.4. Mobility in soil**

Mobility: Readily absorbed into soil.

#### **12.5. Results of PBT and vPvB assessment**

PBT identification: This product is not identified as a PBT/vPvB substance.

#### **12.6. Other adverse effects**

Toxic to aquatic organisms. Toxic to soil organisms.

<b>Section 13: Disposal considerations</b>
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**13.1. Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

<b>Section 14: Transport information</b>
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**14.1. UN number**

UN number: UN3082

**14.2. UN proper shipping name**

Shipping name: Environmentally, hazardous substance.

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

Transport class: 9

**14.4. Packing group**

Packing group: III

**14.5. Environmental hazards**

Environmentally hazardous: Yes Marine pollutant: Yes

**14.6. Special precautions for user**

Special precautions: No special precautions.

## Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

Recommended for professional use only as an ingredient in perfumes and food flavours.

Phrases used in s.2 and s.3:

EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.



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