

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 09.01.2017

Revision: 09.01.2017

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

- . 1.1 Product identifier
- . Trade name: **GERANIUM ROSE**
- . Article number: PLAUK204
- . 1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- . Application of the substance / the mixture Multi uses
- . 1.3 Details of the supplier of the safety data sheet
- . Manufacturer/Supplier:  
H. REYNAUD & FILS  
D 4 ROUTE D'APT  
84210 SAINT-DIDIER  
TEL + 33 4 75 28 86 00  
FAX + 33 4 75 28 84 66  
E-mail : labessentialoils@hreynaud.com
- . Further information obtainable from: Department Essential Oils
- . 1.4 Emergency telephone number: + 33 4 75 28 86 03

### SECTION 2: Hazards identification

- . 2.1 Classification of the substance or mixture
- . Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Eye Dam. 1      H318 Causes serious eye damage.



GHS07

Skin Irrit. 2      H315 Causes skin irritation.

Skin Sens. 1      H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- . 2.2 Label elements
- . Labelling according to Regulation (EC) No 1272/2008  
The substance is classified and labelled according to the CLP regulation.
- . Hazard pictograms



GHS05



GHS07

- . Signal word *Danger*
- . Hazard-determining components of labelling:  
Geraniol  
Citronellol  
Isomenthone  
Geranyl Acetate

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**. Hazard statements**

- H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.  
 H412 Harmful to aquatic life with long lasting effects.

**. Precautionary statements**

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves / eye protection / face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**. 2.3 Other hazards****. Results of PBT and vPvB assessment**

- . **PBT:** Not applicable.  
 . **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

**. 3.2 Chemical characterisation: Mixtures****. Description:** NCS (UVCB) Constituents Information**. hazardous components:**

CAS: 106-22-9 EINECS: 203-375-0	Citronellol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	25-50%
CAS: 106-24-1 EINECS: 203-377-1	Geraniol ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	10-25%
CAS: 78-70-6 EINECS: 201-134-4	Linalool ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%
CAS: 491-07-6 EINECS: 207-727-4	Isomenthone ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317	≤ 2.5%
CAS: 105-87-3 EINECS: 203-341-5	Geranyl Acetate ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≤ 2.5%
CAS: 89-80-5 EINECS: 201-941-1	Menthone ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317	≤ 2.5%
CAS: 80-56-8 EINECS: 201-291-9	Pinene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≤ 2.5%
CAS: 150-84-5 EINECS: 205-775-0	citronellyl acetate ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315	≤ 2.5%

. **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

**. 4.1 Description of first aid measures****. After inhalation:**

- Supply fresh air and to be sure call for a doctor.  
 In case of unconsciousness place patient stably in side position for transportation.  
 Supply fresh air.

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- . **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water.  
If skin irritation continues, consult a doctor.
- . **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- . **After swallowing:** Inform doctor. Do not give milk or fatty oils.
- . **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- . **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- . **5.1 Extinguishing media**
- . **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- . **For safety reasons unsuitable extinguishing agents:** Water with full jet
- . **5.2 Special hazards arising from the substance or mixture** Carbon monoxide (CO)
- . **5.3 Advice for firefighters**
- . **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- . **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.
- . **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.
- . **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** Ensure good ventilation/exhaustion at the workplace.
- . **Information about fire - and explosion protection:** No special measures required.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Store in the dark.
- . **7.3 Specific end use(s)** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

. **Additional information about design of technical facilities:** No further data; see item 7.

. **8.1 Control parameters**

. **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

. **Additional information:** The lists valid during the making were used as basis.

. **8.2 Exposure controls**

. **Personal protective equipment:**

. **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

. **Respiratory protection:** Not required.

. **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

. **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

. **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

. **Eye protection:**



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

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

. **General Information**

. **Appearance:**

**Form:**

Liquid

**Colour:**

According to product specification

. **Odour:**

Characteristic

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- |  |   |
|--|---|
| <b>. Change in condition</b>                           |   |
| Melting point/freezing point:                          | Undetermined.                                 |
| Initial boiling point and boiling range: Undetermined. |   |
| <b>. Flash point (closed cup - ASTM D6450):</b> 64 °C  |   |
| <b>. Flammability (solid, gas):</b>                    | Not applicable.                               |
| <b>. Ignition temperature:</b>                         |   |
| Decomposition temperature:                             | Not determined.                               |
| <b>. Auto-ignition temperature:</b>                    | Product is not selfigniting.                  |
| <b>. Explosive properties:</b>                         | Product does not present an explosion hazard. |
| <b>. Density at 20 °C:</b>                             | 0.868 - 0.880 g/cm <sup>3</sup>               |
| <b>. Evaporation rate</b>                              | Not determined.                               |
| <b>. Solubility in / Miscibility with water:</b>       |   |
| Not miscible or difficult to mix.                      |   |
| <b>. 9.2 Other information</b>                         |   |
| No further relevant information available.             |   |

#### SECTION 10: Stability and reactivity

- . **10.1 Reactivity** No further relevant information available.
- . **10.2 Chemical stability**
- . **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

#### SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
  - . **Acute toxicity** Based on available data, the classification criteria are not met.
  - . **LD/LC50 values relevant for classification:**
- |                       |      |                       |
|-----------------------|------|-----------------------|
| <b>80-56-8 Pinene</b> |      |                       |
| Oral                  | LD50 | 3700 mg/kg (RAT)      |
| Dermal                | LD50 | > 5000 bw mg/kg (LAP) |
- . **Primary irritant effect:**
  - . **Skin corrosion/irritation**  
Causes skin irritation.
  - . **Serious eye damage/irritation**  
Causes serious eye damage.
  - . **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
  - . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - . **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - . **Carcinogenicity** Based on available data, the classification criteria are not met.
  - . **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - . **STOT-single exposure** Based on available data, the classification criteria are not met.

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- . **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

#### SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **12.2 Persistence and degradability** No further relevant information available.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Ecotoxicological effects:**
- . **Remark:** Harmful to fish
- . **Additional ecological information:**
- . **General notes:**
- Must not reach sewage water or drainage ditch undiluted or unneutralised.
- Harmful to aquatic organisms
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

#### SECTION 13: Disposal considerations

- . **13.1 Waste treatment methods**
- . **Recommendation**
- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- . **Uncleaned packaging:**
- . **Recommendation:** Disposal must be made according to official regulations.

#### SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| . <b>14.1 UN-Number</b>  |                 |
| . ADR, ADN, IMDG, IATA   | Void            |
| . <b>14.2 UN proper shipping name</b>  |                 |
| . ADR, ADN, IMDG, IATA   | Void            |
| . <b>14.3 Transport hazard class(es)</b>   |                 |
| . ADR, ADN, IMDG, IATA   |                 |
| . Class  | Void            |
| . <b>14.4 Packing group</b>  |                 |
| . ADR, IMDG, IATA  | Void            |
| . <b>14.5 Environmental hazards:</b>   |                 |
| . <b>Marine pollutant:</b>   | Yes             |
| . <b>14.6 Special precautions for user</b>                                       |                 |
|  | Not applicable. |
| . <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> |                 |
|  | Not applicable. |

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<b>. Transport/Additional information:</b>	<i>Not dangerous according to the above specifications.</i>
<b>. ADR</b>	
<b>. Remarks:</b>	<i>not dangerous</i>
<b>. ADN</b>	
<b>. Remarks:</b>	<i>not dangerous</i>
<b>. IMDG</b>	
<b>. Remarks:</b>	<i>not dangerous</i>
<b>. IATA</b>	
<b>. Remarks:</b>	<i>not dangerous</i>
<b>. UN "Model Regulation":</b>	<i>Void</i>

#### SECTION 15: Regulatory information

- . 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . Directive 2012/18/EU**
- . Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
- . REGULATION (EC) No 1907/2006 ANNEX XVII** *Conditions of restriction: 3*
- . 15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

#### SECTION 16: Other information

- . Relevant phrases**
  - H226 Flammable liquid and vapour.*
  - 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.*
  - H319 Causes serious eye irritation.*
  - H400 Very toxic to aquatic life.*
  - H410 Very toxic to aquatic life with long lasting effects.*
  - H411 Toxic to aquatic life with long lasting effects.*
  - H412 Harmful to aquatic life with long lasting effects.*
- . Department issuing SDS:** *Department Essentials Oils*
- . Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
  - ICAO: International Civil Aviation Organisation*
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
  - IMDG: International Maritime Code for Dangerous Goods*
  - IATA: International Air Transport Association*
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals*
  - EINECS: European Inventory of Existing Commercial Chemical Substances*
  - ELINCS: European List of Notified Chemical Substances*
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)*
  - LC50: Lethal concentration, 50 percent*
  - LD50: Lethal dose, 50 percent*
  - PBT: Persistent, Bioaccumulative and Toxic*
  - vPvB: very Persistent and very Bioaccumulative*
  - Flam. Liq. 3: Flammable liquids – Category 3*

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*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*  
*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*Skin Sens. 1B: Skin sensitisation – Category 1B*  
*Asp. Tox. 1: Aspiration hazard – Category 1*  
*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*  
*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*  
*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*  
*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

. **Sources Michel RIQUIER / Technical Manager**

. **\* Data compared to the previous version altered.**

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