

**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>   |                                 |
| <b>Melting point/freezing point:</b>   | Undetermined.                   |
| <b>Initial boiling point and boiling range:</b>                                    | Undetermined.                   |
| <b>. Flash point (closed cup - ASTM D6450):</b> 64 °C                              |                                 |
| <b>. Flammability (solid, gas):</b> Not applicable.                                |                                 |
| <b>. Ignition temperature:</b>   |                                 |
| <b>Decomposition temperature:</b>  | 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:

###### 80-56-8 Pinene

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>  |                 |
| . <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| . <b>14.2 UN proper shipping name</b>  |                 |
| . <b>ADR, ADN, IMDG, IATA</b>  | Void            |
| . <b>14.3 Transport hazard class(es)</b>   |                 |
| . <b>ADR, ADN, IMDG, IATA</b>  |                 |
| . <b>Class</b>   | Void            |
| . <b>14.4 Packing group</b>  |                 |
| . <b>ADR, IMDG, IATA</b>   | 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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