

# Material security data sheet

Printed : 08/03/2018

Review : 001NEW-27-GHS from 08/03/2018

## GERANIUM OIL, CHINESE GERAN0003

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

GERANIUM OIL, CHINESE GERAN0003

Pre-No REACH : 05-2115975813-34-0000  
C.A.S Number : 8000-46-2

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

Use : Industrial, only for professional use.

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

Company : SAS MATIÈRES PREMIÈRES ESSENTIELLES  
6, chemin St Joseph  
BP 25265  
06131 GRASSE CEDEX  
Tel:04 93 09 19 27  
Fax :04 93 77 89 88  
Web :www.mpe-grasse.fr  
Email :sales@mpe-grasse.fr

#### 1.4. Emergency telephone number

In case of emergency call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK only).

### 2. HAZARD IDENTIFICATION

#### 2.1. Classification of the substance or mixture

GHS Classification :

RegulationGHS

Asp. Tox. 1                      Aspiration hazard 1                      H304 : May be fatal if swallowed  
and enters airways.

Eye Dam. 1                      Serious eye damage / eye irritation 1                      H318 : Causes serious eye  
damage.

Aquatic Acute 2                      Hazardous to the aquatic environment, acute hazard 2                      H401 : Toxic to aquatic  
life

Aquatic Chronic 3                      Hazardous to the aquatic environment, long-term hazard                      H412 : Harmful to aquatic  
life with long lasting effects.

Flam. Liq. 4                      Flammable Liquids 4                      H227 : Combustible liquid

Skin Irrit. 2                      Skin corrosion / irritation 2                      H315 : Causes skin irritation.

Skin Sens. 1A                      Sensitisation, skin 1A                      H317 : May cause an allergic skin  
reaction.

# Material security data sheet

Printed : 08/03/2018

GERANIUM OIL, CHINESE GERAN0003

Review : 001NEW-27-GHS from 08/03/2018

## 2.2. Label elements

GHS Classification :

RegulationGHS

Warning mention : Danger

Asp. Tox. 1 Aspiration hazard 1

Eye Dam. 1 Serious eye damage / eye irritation 1

Aquatic Acute 2 Hazardous to the aquatic environment, acute hazard 2

Aquatic Chronic 3 Hazardous to the aquatic environment, long-term hazard 3

Flam. Liq. 4 Flammable Liquids 4

Skin Irrit. 2 Skin corrosion / irritation 2

Skin Sens. 1A Sensitisation, skin 1A

H227 - Combustible liquid

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.

H401 - Toxic to aquatic life

H412 - Harmful to aquatic life with long lasting effects.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P264 - Wash ... thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

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

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P302+P352 - IF ON SKIN: Wash with plenty of water/...

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/...

P331 - Do NOT induce vomiting.



## 2.3. Other hazards

Contains Citronellol, Geraniol, d,l-Isomenthone, Linalool, Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran(oxyde de rose) CMR2, Menthone - trans-p-Menthan-3-one, 2,6,6-trimethyl-bicyclo-2-heptene

## 3. COMPOSITION / INFORMATION ON INGREDIENT

Component list :

### 3.1. Substances

| Material                                       | C.A.S    | EINECS    | Risk Symbol   | Percent % |
|--|----------|-----------|---|-----------|
| Citronellol (No REACH : 01-2119453995-23-0000) | 106-22-9 | 203-375-0 | Acute Tox. 5 (D), Acute Tox. 5 (O), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 2, Skin Irrit. 2, Skin Sens. 1B - H313, H303, H319, H401, H315, H317 | [ 25-40 ] |
| Citronellyl formate                            | 105-85-1 | 203-338-9 | Aquatic Acute 2, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B - H401, H227, H315, H317  | [ 10-15 ] |

# Material security data sheet

Printed : 08/03/2018

GERANIUM OIL, CHINESE GERAN0003

Review : 001NEW-27-GHS from 08/03/2018

|  |            |           |  |          |
|--|------------|-----------|--|----------|
| Geraniol (No REACH : 01-2119552430-49-0000)                          | 106-24-1   | 203-377-1 | Acute Tox. 5 (O), Eye Dam. 1, Aquatic Acute 3, Skin Irrit. 2, Skin Sens. 1A - H303, H318, H402, H315, H317   | [ 5-10 ] |
| d,l-Isomenthone  | 491-07-6   | 207-727-4 | Acute Tox. 5 (O), Aquatic Acute 3, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B - H303, H402, H227, H315, H317   | [ 5-10 ] |
| Geranyl butyrate   | 106-29-6   | 203-381-3 | Flam. Liq. 4, Skin Irrit. 3 - H227, H316   | [ 1-5 ]  |
| Geranyl formate  | 105-86-2   | 203-339-4 | Flam. Liq. 4, Skin Irrit. 3 - H227, H316   | [ 1-5 ]  |
| Geranyl tiglate  | 7785-33-3  | 232-078-9 | Skin Irrit. 3 - H316   | [ 1-5 ]  |
| Linalool   | 78-70-6    | 201-134-4 | Acute Tox. 5 (O), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 3, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B - H303, H319, H402, H227, H315, H317          | [ 1-5 ]  |
| Menthone - trans-p-Menthan-3-one                                     | 89-80-5    | 201-941-1 | Acute Tox. 5 (O), Aquatic Acute 3, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B - H303, H402, H227, H315, H317   | [ 1-5 ]  |
| Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran(oxyde de rose) CMR2 | 16409-43-1 | 240-457-5 | Acute Tox. 5 (O), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 3, Flam. Liq. 4, Repr. 2, Skin Irrit. 2 - H303, H319, H402, H227, H361, H315                | [ 1-5 ]  |
| 2,6,6-trimethyl-bicyclo-2-heptene                                    | 80-56-8    | 201-291-9 | Asp. Tox. 1, Acute Tox. 5 (O), Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B - H304, H303, H400, H410, H226, H315, H317 | [ 0-1 ]  |
| Alpha-Terpineol (No REACH : 05-2118365628-29-0000)                   | 98-55-5    | 202-680-6 | Acute Tox. 5 (O), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 2, Flam. Liq. 4, Skin Irrit. 2 - H303, H319, H401, H227, H315                               | [ 0-1 ]  |
| Citronellyl tiglate  | 24717-85-9 | 246-426-2 | Skin Irrit. 3 - H316   | [ 0-1 ]  |
| Nerol  | 106-25-2   | 203-378-7 | Acute Tox. 5 (O), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 3, Skin Irrit. 2, Skin Sens. 1B - H303, H319, H402, H315, H317                              | [ 0-1 ]  |
| d-Limonene   | 5989-27-5  | 227-813-5 | Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B - H304, H400, H410, H226, H315, H317                         | [ 0-1 ]  |

## 3.2. Mixtures

Not available

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

General Notes :

If in doubt, always call a doctor.

If Inhaled :

If the person is unconscious, place in the fresh air . Consult a doctor

Contact with skin :

Remove soiled clothing . Wash immediately and abundantly with water.

Contact with eyes :

Abundant rinsing with water then washing with an ocular lotion standard Dacryoserum. Consult an ophthalmologist.

If swallowed :

Do not induce vomiting, maintain the patient at rest. Resort to the medical care.

# Material security data sheet

Printed : 08/03/2018

GERANIUM OIL, CHINESE GERAN0003

Review : 001NEW-27-GHS from 08/03/2018

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

Not available

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

Not available

## 5. FIRE FIGHTING

Flammability class : The product is not flammable.

### **5.1. Extinguishing media**

#### **Appropriate extinction method :**

In case of fire, use water spray (or fog) and appropriate fire extinguishers (CO<sub>2</sub>, powder ...)

#### **Inappropriate extinction method :**

In case of fire, never use direct water stream.

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

**Flammability :** The product is not flammable..

In case of fire, may produce toxic fumes of carbon monoxide (CO) or carbon dioxide (CO<sub>2</sub>). Exposure to decomposition products may be hazardous to health. Do not breathe fumes.

### **5.3. Advice for firefighters**

Not available

## 6. ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

Prevent a manager.

Refer to protective measures listed in sections 7 and 8.

For non-emergency personnel:

Avoid breathing vapors. Avoid all contact with skin and eyes. If necessary, evacuate staff by trained operators equipped with safety equipment

For emergency responders:

Appropriate personal protective equipment will be required (refer to Section 8).

Use appropriate personal protective equipment during clean-up.

### **6.2. Environmental precautions**

Prevent contamination of soil and water, while entering into drains, ditches and rivers. Notify authorities if the product penetrates into the sewers or public waters.

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

Diking with sand or diatomaceous earth, pumping and rinsing with water after recovery of specific waste in plastic drums and labeled then deliver to an approved waste facility.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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

Refer to sections 8 and 13 for information on exposure control, personal protection and disposal.

## 7. HANDLING AND STORAGE

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

Wash hands after use.

# Material security data sheet

Printed : 08/03/2018

GERANIUM OIL, CHINESE GERAN0003

Review : 001NEW-27-GHS from 08/03/2018

Reproduce labeling if transfer to another container.

Ensure adequate ventilation.

Provide safety showers and eye washes.

## **Fire prevention :**

Prevent access by unauthorized persons.

Handle in well ventilated areas.

## **Equipment and procedures :**

For personal protection, see Section 8.

Observe precautions stated on the label and regulations of labor protection.

Close the packaging after use.

Avoid inhalation of vapors and contact with skin or eyes.

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

Keep tightly closed containers away from heat sources and protected from extreme temperatures.

Keep containers closed when not in use.

Always keep in appropriate packages (identical to the original material).

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

Not available

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1. Control parameters**

**Exposition limit (France INRS - ED984 07/2012)**

- **V.M.E ( 8 hr)**

No component

- **V.L.E (15 mn)**

No component

### **8.2. Exposure controls**

Individual protection measures, such as personal protective equipment

Personal protective equipment :

Hands protection : Gloves required. Eyes protection : Glasses required. Respiratory protection : Mask required.

Body protection :

Wear regularly cleaned overalls. In case of contact, all soiled parts should be washed.

Engineering measures :

Avoid contact with eyes, skin or clothing. Do not ingest. Avoid contact with food, drinks.

Do not eat, do not drink and do not smoke during use.

Symbol compulsory wearing of personal protective equipment (PPE):



## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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

Odor :

**rosy, lightly mentholated**

# Material security data sheet

Printed : 08/03/2018

GERANIUM OIL, CHINESE GERAN0003

Review : 001NEW-27-GHS from 08/03/2018

Color : **light green to dark green**

Appearance : **liquid**

Relative density (d<sub>20</sub>/20) : **[0.882 ; 0.899]**

Flash point (° C) : **64°C**

Refractive index at 20°C : **[1.460 ; 1.472]**

Angular rotation (°) : **[-7 ; -14]**

## **9.2. Other information**

Not available

## 10. STABILITY AND REACTIVITY

### **10.1. Reactivity**

No dangerous reactions during storage and handling according to specifications.

### **10.2. Chemical stability**

Stable product during storage and handling according to specifications.

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

No dangerous reactions during storage and handling according to specifications.

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

Avoid excessive heat (naked flames, sparks, ...).

### **10.5. Incompatible materials**

Not available

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

#### **Thermal decomposition / conditions to be avoided :**

Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun.

No decomposition if used according to specifications.

#### **Dangerous decomposition products :**

No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

### **11.1. Information on toxicological**

Toxicological Information :

No data available.

Toxicological Informations Acute :

- Oral (mg/kg) : 0,00 (Defined)
- Inhalation (mg/kg) : Not determined
- Skin (mg/kg) : 0,00 (Defined)

## 12. ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

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

# Material security data sheet

Printed : 08/03/2018

GERANIUM OIL, CHINESE GERAN0003

Review : 001NEW-27-GHS from 08/03/2018

Not available

## **12.3. Bioaccumulative potential**

Not available

## **12.4. Mobility in soil**

Not available

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

Not available

## **12.6. Other adverse effects**

Not available

## 13. DISPOSAL RECOMMENDATIONS

### **13.1. Waste treatment methods**

**Waste** : Do not flush with household garbage. Do not pour into drains or waterways. Dispose of according to current legislation, by a collector or a specialized company.

**Contaminated packaging** : Keep the label on the container. Give to a certified disposal.

## 14. TRANSPORT INFORMATION

### **14.1. UN number**

ADR : Not Regulated

IMDG:Not Regulated

IATA :Not Regulated

Custom tariff : **33012941**

### **14.2. UN proper shipping name**

ADR : Not Regulated

IMDG:Not Regulated

IATA :Not Regulated

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

ADR : Not Regulated

IMDG:Not Regulated

IATA :Not Regulated

### **14.4. Packing group**

ADR : Not Regulated

IMDG:Not Regulated

IATA :Not Regulated

### **14.5. Environmental hazards**

IMDG : Not Regulated

### **14.6. Special precautions for user**

Not available

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not available

# Material security data sheet

Printed : 08/03/2018

GERANIUM OIL, CHINESE GERAN0003

Review : 001NEW-27-GHS from 08/03/2018

## 15. REGULATORY INFORMATION

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

Class of water contamination (Germany) : WGK 2

### **15.2. Chemical safety assessment**

Contient Citronellol, Geraniol, d,l-Isomenthone, Linalool, Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran(oxyde de rose) CMR2, Menthone - trans-p-Menthan-3-one, 2,6,6-trimethyl-bicyclo-2-heptene : Peut provoquer des allergies.

## 16. OTHER INFORMATION

Full H sentences text in point 3 :

H226 Flammable liquid and vapour.

H227 Combustible liquid

H303 May be harmful if swallowed

H303+H313 May be harmful if swallowed or in contact with skin

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H316 Causes mild skin irritation

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400 Very toxic to aquatic life.

H401 Toxic to aquatic life

H402 Harmful to aquatic life

H410 Very toxic to aquatic life with long lasting effects.

Material security data sheet according to (CE) 1272/2008

These indications are founded on the current state of our knowledge, but do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report.

Modified points : 3.1

8.2