

Material Safety Data Sheet

Printed : 28/08/2024

Review : 001N23-1-GHS from 28/08/2024

GERANIUM OIL, TYPE BOURBON GERAN0089

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

GERANIUM OIL, TYPE BOURBON GERAN0089

UFI : Not applicable

C.A.S number :

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 24 (UK only).

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification :

RegulationGHS

Acute Tox. 5 (Dermal)	Acute toxicity dermal 5	H313 : May be harmful in contact with skin
Acute Tox. 5 (Oral)	Acute toxicity oral 5	H303 : May be harmful if swallowed
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 2 effects.	Hazardous to the aquatic environment, long-term hazard	H411 : Toxic 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. 1	Sensitisation skin 1	H317 : May cause an allergic skin reaction.

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2.2. Label elements

GHS Classification :

RegulationGHS

Warning mention : Danger

Acute Tox. 5 (Dermal) Acute toxicity dermal 5
Acute Tox. 5 (Oral) Acute toxicity oral 5
Eye Dam. 1 Serious eye damage / eye irritation 1
Aquatic Acute 2 Hazardous to the aquatic environment, acute hazard 2
Aquatic Chronic 2 Hazardous to the aquatic environment, long-term hazard 2
Flam. Liq. 4 Flammable Liquids 4
Skin Irrit. 2 Skin corrosion / irritation 2
Skin Sens. 1 Sensitisation skin 1

H227 - Combustible liquid
H303+H313 - May be harmful if swallowed or in contact with skin
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
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/...
P312 - Call a POISON CENTER/doctor/...if you feel unwell.



2.3. Other hazards

Contains Citronellol, Geraniol, Linalool, d,l-Isomenthone, Citronellyl formate, Menthone, Geranyl acetate, Citronellyl butyrate, Citronellyl tiglate, alpha-Pinene, Citral

3. COMPOSITION / INFORMATION ON INGREDIENT

List of components to report:

3.1. Substances

NO CONCERNED

3.2. Mixtures

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Numéro d'identification	Substance	Classes danger & Phrases H	LCS / Facteurs M / ATE VLEP / VMEP	Percent %
CAS# 106-22-9 EINECS# 203-375-0 REACH# 01-2119453995-23-0000	Citronellol	Acute Tox. 5 (Dermal, Acute Tox. 5 (Oral), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 2, Skin Irrit. 2, Skin Sens. 1B H313, H303, H319, H319, H401, H315, H317	ATE (Dermale) : 2650.2mg/kg ATE (Orale) : 3450.06mg/kg	[25-40]
CAS# 106-24-1 EINECS# 203-377-1 REACH# 01-2119552430-49-0000	Geraniol	Acute Tox. 5 (Oral), Eye Dam. 1, Skin Irrit. 2, Skin Sens. 1A H303, H318, H315, H317	ATE (Orale) : 3599.971mg/kg	[25-40]
CAS# 78-70-6 EINECS# 201-134-4 REACH# 01-2119474016-42-0000	Linalool	Acute Tox. 5 (Dermal, Acute Tox. 5 (Inhala, Acute Tox. 5 (Oral), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 3, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B H313, H333, H303, H319, H319, H402, H227, H315, H317	ATE (Dermale) : 2500mg/kg ATE (Orale) : 2790.256mg/kg ATE (Inhalation) : 21.5mg/L	[10-15]
CAS# 150-84-5 EINECS# 205-775-0 REACH# 01-2119959860-27-0000	Citronellyl acetate	Aquatic Acute 2, Aquatic Chronic 2, Skin Irrit. 2 H401, H411, H315		[1-5]
CAS# 105-85-1 EINECS# 203-338-9	Citronellyl formate	Aquatic Acute 2, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B H401, H227, H315, H317		[1-5]
CAS# 105-87-3 EINECS# 203-341-5	Geranyl acetate	Aquatic Acute 2, Aquatic Chronic 3, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B H401, H412, H227, H315, H317		[1-5]
CAS# 10458-14-7 EINECS# 233-944-9	Menthone	Acute Tox. 5 (Oral), Aquatic Acute 3, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B H303, H402, H227, H315, H317	ATE (Orale) : 2500mg/kg	[1-5]
CAS# 491-07-6 EINECS# 207-727-4	d,l-Isomenthone	Acute Tox. 5 (Oral), Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1A H303, H227, H315, H317	ATE (Orale) : 2500mg/kg	[1-5]
CAS# 5392-40-5 EINECS# 226-394-6 INDEX# 605-019-00-3 REACH# 01-2119462829-23-0000	Citral	Acute Tox. 5 (Dermal, Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 2, Skin Irrit. 2, Skin Sens. 1A H313, H319, H319, H401, H315, H317	ATE (Dermale) : 2250.073mg/kg	[0-1]
CAS# 141-16-2 EINECS# 205-463-4 REACH# Exempté < 1 Tonne/an	Citronellyl butyrate	Aquatic Acute 1, Aquatic Chronic 1, Skin Sens. 1B H400, H410, H317		[0-1]
CAS# 24717-85-9 EINECS# 246-426-2 REACH# 01-2120629114-64-XX XX	Citronellyl tiglate	Aquatic Acute 1, Aquatic Chronic 1, Skin Sens. 1B H400, H410, H317	EHA1 (M=10)EHC1 (M=10)	[0-1]
CAS# 89-78-1 EINECS# 201-939-0	Menthol	Acute Tox. 5 (Oral), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 3, Skin Irrit. 2 H303, H319, H319, H402, H315	ATE (Orale) : 2599.969mg/kg	[0-1]
CAS# 80-56-8 EINECS# 201-291-9	alpha-Pinene	Asp. Tox. 1, Acute Tox. 4 (Oral), Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B H304, H302, H400, H410, H226, H315, H317	ATE (Orale) : 500mg/kg	[0-1]

4. FIRST AID MEASURES

4.1. Description of first aid measures

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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.

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

NO CONCERNED

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

NO CONCERNED

5. FIRE FIGHTING

Flammability class : The product is hardly flammable

5.1. Extinguishing media

Appropriate extinction method :

In case of fire, use water spray (or fog) and appropriate fire extinguishers (CO₂, 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 hardly flammable.

In case of fire, may produce toxic fumes of carbon monoxide (CO) or carbon dioxide (CO₂). Exposure to decomposition products may be hazardous to health. Do not breathe fumes.

5.3. Advice for firefighters

No specific measure

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.

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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.
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)

NO CONCERNED

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposition limit (France INRS - ED984 07/2012)
- V.M.E (8 hr)
No component

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- V.L.E (15 mn)

No component

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Personal protective equipment :

- Hand protection: Wear gloves.
- Eye protection: Wear glasses.
- Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

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

Relative density (d ₂₀ /20) :	[0.860 ; 0.890]
Refractive index at 20°C :	[1.450 ; 1.480]
Angular rotation (°) :	[0 ; +10]
Color :	colorless to greenish
Appearance :	liquid
Odor :	herbaceous, rosy
Flash point (° C) :	80

9.2. Other information

NO CONCERNED

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.

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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

NO CONCERNED

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 hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information :

No data available.

Toxicological Informations Acute :

- Oral (mg/kg) : 3 281,98 (Defined)
- Inhalation (mg/kg) : Not determined
- Skin (mg/kg) : 4 813,18 (Defined)

11.2. Information on other hazards

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

NO CONCERNED

12.3. Bioaccumulative potential

NO CONCERNED

12.4. Mobility in soil

NO CONCERNED

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12.5. Results of PBT and vPvB assessment

NO CONCERNED

12.6. Endocrine disrupting properties

12.7. Other adverse effects

NO CONCERNED

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

ADR/ADN/RID:



IMDG:



IATA:



14.1. UN number

ADR/ADN/RID : 3082 (Tunel code :(E))

IMDG:3082

IATA :3082

Custom tariff : **33029090**

14.2. UN proper shipping name

ADR/ADN/RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s (Citronellyl butyrate)

IMDG:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s (Citronellyl butyrate)

IATA :ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s (Citronellyl butyrate)

14.3. Transport hazard class(es)

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ADR/ADN/RID : 9
IMDG:9
IATA :9

14.4. Packing group

ADR/ADN/RID : III
IMDG:III
IATA :III

14.5. Environmental hazards

IMDG : Marine pollutant component

14.6. Special precautions for user

NO CONCERNED

14.7. Maritime transport in bulk according to IMO instruments

NO CONCERNED

15. REGULATORY INFORMATION

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

Class of water contamination (Germany) : WGK 2

Calcul ICPE/ Section 15.1 de la FDS : **4511**

15.2. Chemical safety assessment

Contient Citronellol, Geraniol, Linalool, d,l-Isomenthone, Citronellyl formate, Menthone, Geranyl acetate, Citronellyl butyrate, Citronellyl tiglate, alpha-Pinene, Citral : Peut provoquer des allergies.

16. OTHER INFORMATION

Full H sentences text in point 3

H226 Flammable liquid and vapour.

H227 Combustible liquid

H302 Harmful if swallowed.

H303 May be harmful if swallowed

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

H303+H313+H333 May be harmful if swallowed, in contact with skin or if inhaled

H303+H333 May be harmful if swallowed or if inhaled

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.

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- H319 Causes serious eye irritation.**
- 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.**
- H411 Toxic to aquatic life with long lasting effects.**
- H412 Harmful to aquatic life with long lasting effects.**

Safety data sheet according to regulation (EU) 2020/878.

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 : 14.2