

Material security data sheet

Printed : 29/05/2016

Review : 001NEW-12-CLP du 29/05/2016

CITRONELLA OIL - CITRL0001

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

CITRONELLA OIL - CITRL0001

C.A.S Number : 8000-29-1

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

NOT RELEVANT

1.3. Details of the supplier of the safety data sheet



AROMIUM

c/ Verdi 321 bx. 2º 08024 Barcelona
Tf.: 93-2840606 email: info@aromium.es

1.4. Emergency telephone number

NOT RELEVANT

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

GHS classification in conformity with directive 1272/2008

(RegulationCLP)

EDI1 Serious eye damage / eye irritation 1
EHC2 Hazardous to the aquatic environment, long-term hazard 2
SCI2 Skin corrosion / irritation 2
SS1 Sensitisation skin 1

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H411 - Toxic to aquatic life with long lasting effects.

Conform with UE 67/548/CEE et 1999/45/CE :

- Health Hazards : Xi
R38:Irritating to skin.
R41:Risk of serious damage to eyes.
R43:May cause sensitization by skin contact.

- Environmental Hazards : N
R51-53:Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

2.2. Label elements

GHS classification in conformity with directive 1272/2008

(RegulationCLP)

Warning mention : Danger

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ED11 Serious eye damage / eye irritation 1
 EHC2 Hazardous to the aquatic environment, long-term hazard 2
 SCI2 Skin corrosion / irritation 2
 SS1 Sensitisation skin 1

H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H318 - Causes serious eye damage.
 H411 - Toxic to aquatic life with long lasting effects.

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 soap and water.



Conform with UE 67/548/CEE et 1999/45/CE :

- Health Hazards : Xi
 R38:Irritating to skin.
 R41:Risk of serious damage to eyes.
 R43:May cause sensitization by skin contact.

- Environmental Hazards : N
 R51-53:Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S37:Wear suitable gloves.
 S61:Avoid release to the environment. Refer to special instructions / Safety data sheets.
 S24:Avoid contact with skin.
 S39:Wear eye/face protection.
 S26:In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



2.3. Other hazards

NOT RELEVANT

3. COMPOSITION / INFORMATION ON INGREDIENT

Component list :

3.1. Substances

Material	C.A.S	EINECS	Risk Symbol	Classification GHS	Percent %
Citronellal	106-23-0	203-376-6	N, Xi R38 R43 R51-53	EHC2, SCI2, SS1 - H315, H317, H319, H411	[35-40]
Geraniol	106-24-1	203-377-1	Xi R38 R41 R43	ED11, SCI2, SS1 - H315, H317, H318	[20-25]

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Citronellol	106-22-9	203-375-0	N, Xi R38 R43 R51-53	SCl2, SS1 - H315, H317	[10-15]
Farnesol	4602-84-0	225-004-1	Xi R36/38	SCl2, SS1 - H315, H317, H319	[0-5]
Geranyl Acétate	105-87-3	203-341-5	N R51-53	EHC2 - H411	[0-5]
Linalool.	78-70-6	201-134-4	Xi R38	SCl2 - H315	[0-5]
Methyl isoeugenol (Isoeugenol methyl ether)	93-16-3	202-224-6			[0-5]
Methyl eugenol (eugenyl methyl ether)	93-15-2	202-223-0	Xn R40 R68/22	ATO4, CAR2, MUT2 - H302, H341, H351, H401	[0-5]
d,l-Limonene	5989-27-5	227-813-5	N, Xi R10 R38 R43 R50-53	AH1, EHA1, EHC1, FL3, SCl2, SS1 - H226, H304, H315, H317, H400, H410	[0-5]

3.2. Mixtures

NOT RELEVANT

4. FIRST AID MEASURES

4.1. Description of first aid measures

NOT RELEVANT

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

NOT RELEVANT

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

Contact with skin : wash immediately and abundantly with water and soap. Rinse then with clear water.

Contact with eyes : Abundant rinsing with water (15 minutes open eyelids) then washing with an ocular lotion standard Dacryoserum. In case of disorder, consult an ophthalmologist.

In the event of swallowed : Not make vomit, maintain the patient at rest. Resort to the medical care.

Soiled clothing : withdraw soiled clothing and re-use them only after decontamination.

5. FIRE FIGHTING

5.1. Extinguishing media

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Flammability : The product is not flammable..
Prévention: Do not smoke. Do not use flame near.

5.3. Advice for firefighters

Never use a direct stream of water.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment during clean-up.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

NOT RELEVANT

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Close packing after use. Reproduce labelling if transfer in another container.

7.2. Conditions for safe storage, including any incompatibilities

- Avoid any useless exposure. Keep away from food and drinks.
- Preserve only in the container of origin in a fresh place and broken down well. Keep the containers closed out of their use.
- Do not leave it near heat source, direct rays of the sun

7.3. Specific end use(s)

Wash the hands and any other zone exposed with soap and water before eating, drinking, to smoke and before leaving work.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

NOT RELEVANT

8.2. Exposure controls

General protective and hygienic measures: Avoid skin and eyes contact. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Personal Protection :

- Hands protection : Protection not required if a good ventilation is maintained.
- Eyes protection : Protection not required if a good ventilation is maintained.
- Respiratory protection : Protection not required if a good ventilation is maintained.
- Ingestion : Do not use, drink and smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Odor :	rosy, lemony
Color :	pale yellow to brown yellow
Appearance :	Liquid
Relative density (d ₂₀ /20) :	[0.880 ; 0.896]
Flash point :	73 C
Refractive index at 20 C :	[1.466 ; 1.475]
Angular rotation () :	[-5 ; 0]

9.2. Other information

NOT RELEVANT

10. STABILITY AND REACTIVITY

10.1. Reactivity

-**Dangerous reactions** : No dangerous reactions known.

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10.2. Chemical stability

NOT RELEVANT

10.3. Possibility of hazardous reactions

NOT RELEVANT

10.4. Conditions to avoid

NOT RELEVANT

10.5. Incompatible materials

NOT RELEVANT

10.6. Hazardous decomposition products

Thermal decomposition / conditions to be avoided: 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 :

- **Orale**
4 100,04 ()
- **Inhalation**
- **Skin**
4 199,92 ()

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

NOT RELEVANT

12.3. Bioaccumulative potential

NOT RELEVANT

12.4. Mobility in soil

NOT RELEVANT

12.5. Results of PBT and vPvB assessment

NOT RELEVANT

12.6. Other adverse effects

NOT RELEVANT

13. DISPOSAL RECOMMENDATIONS

13.1. Waste treatment methods

Product : Recommendation : Does not have to be evacuated with the refuse . Not to let penetrate in the sewers.

Not cleaned packing : Recommendation : Evacuation in accordance with the regulations.

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14. TRANSPORT INFORMATION

ADR:



IMDG:



IATA:



14.1. UN number

ADR : 3082 (Tunel code :(E))

IMDG:3082

IATA :3082

Custom tariff : **33012941**

14.2. UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(citronellal)

IMDG:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(citronellal)

IATA :ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(citronellal)

14.3. Transport hazard class(es)

ADR : 9

IMDG:9

IATA :9

14.4. Packing group

ADR : III

IMDG:III

IATA :III

14.5. Environmental hazards

IMDG : NOT RELEVANT

14.6. Special precautions for user

NOT RELEVANT

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

NOT RELEVANT

15. REGULATORY INFORMATION

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

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Class of water contamination (Germany) : WGK 2

15.2. Chemical safety assessment

Contient R43 items Citronellal, Citronellol , Geraniol, d,l-Limonene . Peut provoquer des allergies.

16. OTHER INFORMATION

Full text of phrases H quoted in point 3 :

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H303 May be harmful if swallowed
- 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.
- H341 Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
- H351 Suspected of causing cancer <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
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

Full text of phrases R quoted in point 3 :

- R38 Irritating to skin.
- R10 Flammable.
- R51-53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R40 Limited evidence of a carcinogenic effect.
- R36/38 Irritating to eyes and skin.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitization by skin contact.
- R68/22 Harmful: possible risk of irreversible effects if swallowed.
- R50-53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Material security data sheet according to 2001/58/CEE.

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 list : 16