

Material security data sheet

Printed : 07/08/2023

Revised : LSI_2023-1-CLP du 07/08/2023

ORGANIC LEMONGRASS OIL / Cymbopogon citratus

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

ORGANIC LEMONGRASS OIL / Cymbopogon citratus

Commercial Name : ORGANIC LEMONGRASS OIL / Cymbopogon citratus

C.A.S Number : 8007-02-1

Country of origin : **Sri Lanka**

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

NO CONCERNED

1.3. Details of the supplier of the safety data sheet

Company : SAS ROBERTET BIO
20 ZI Rhône Vallée Sud
07250 LE POUZIN
Tel:33 (0)4.75.21.73.16
Fax :33 (0)4.75.21.75.34

1.4. Emergency telephone number

Emergency telephone number:
33(0)4 75 21 73 16 (during normal opening times 8h-17h30)

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification :

(RegulationCLP)

ED11 Serious eye damage / eye irritation 1
EHC3 Hazardous to the aquatic environment, long-term hazard 3
SCI2 Skin corrosion / irritation 2
SS1B Sensitisation, skin 1B

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

2.2. Label elements

GHS Classification :

(RegulationCLP)

Signal word: Danger

ED11 Serious eye damage / eye irritation 1

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EHC3 Hazardous to the aquatic environment, long-term hazard 3
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H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H412 - Harmful 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 water/...



2.3. Other hazards

Content Citral, Geraniol, Geranyl acetate, Limonene, beta-Caryophyllene, Linalool, Citronellal, Citronellol, Eugenol, alpha-Pinene

3. COMPOSITION / INFORMATION ON INGREDIENT

Liste des composants à signaler :

3.1. Substances

| Numéro d'identification | Substance | Classes danger & Phrases H | LCS / Facteurs M / ATE | Percent % |
|-------------------------------------|---------------------|---|--|-----------|
| CAS# 5392-40-5 EINECS# 226-394-6 | Citral | EDI2, EDI2A, SCI2, SS1 H319, H319, H315, H317 | | 86.00 |
| CAS# 106-24-1 EINECS# 203-377-1 | Geraniol | EDI1, SCI2, SS1 H318, H315, H317 | | 10.00 |
| CAS# 105-87-3 EINECS# 203-341-5 | Geranyl acetate | EHC3, SCI2, SS1B H412, H315, H317 | | 6.00 |
| CAS# 5989-27-5 EINECS# 227-813-5 | Limonene | AH1, EHA1, EHC3, FL3, SCI2, SS1B H304, H400, H412, H226, H315, H317 | | 4.00 |
| CAS# 87-44-5 EINECS# 201-746-1 | beta-Caryophyllene | AH1, SS1B H304, H317 | | 3.50 |
| CAS# 78-70-6 EINECS# 201-134-4 | Linalool | EDI2, EDI2A, SCI2, SS1B H319, H319, H315, H317 | | 1.50 |
| CAS# 1139-30-6 EINECS# 214-519-7 | Caryophyllene oxide | EHC2 H411 | | 1.00 |
| CAS# 106-23-0 EINECS# 203-376-6 | Citronellal | EDI2, EDI2A, SCI2, SS1B H319, H319, H315, H317 | | 0.70 |
| CAS# 106-22-9 EINECS# 203-375-0 | Citronellol | EDI2, EDI2A, SCI2, SS1B H319, H319, H315, H317 | | 0.50 |
| CAS# 97-54-1 EINECS# 202-590-7 | Isoeugenol | ATD4, AT14, ATO4, EDI2, EDI2A, SCI2, SS1A, STO-SE3-R1 H312, H332, H302, H319, H319, H315, H317, H335 | ATE (Dermale) : 1912.009mg/kg ATE (Orale) : 500mg/kg ATE (Inhalation) : 1.5mg/L | 0.50 |

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| | | | | |
|-----------------------------------|--------------|--|------------------------|------|
| CAS# 97-53-0 EINECS# 202-589-1 | Eugenol | ED12, ED12A, SS1B H319, H319, H317 | | 0.40 |
| CAS# 80-56-8 EINECS# 201-291-9 | alpha-Pinene | AH1, ATO4, EHA1, EHC1, FL3, SCI2, SS1B H304, H302, H400, H410, H226, H315, H317 | ATE (Orale) : 500mg/kg | 0.20 |

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3.2. Mixtures

NO CONCERNED

4. FIRST AID MEASURES

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4.1. Description of first aid measures

NO CONCERNED

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

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 ophtalmologist.
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

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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.

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6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment during clean-up.

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6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

NO CONCERNED

7. HANDLING AND STORAGE

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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

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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.

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

-Ingestion : Do not use, drink and smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Color : **Pale yellow to dark brown**
Relative density (d₂₀/20) : **[0.885 ; 0.905]**
Refractive index @ 20°C : **[1.483 ; 1.495]**
Angular rotation (°) : **[-4.0 ; +1.0]**
Flash point : **71°C**

9.2. Other information

NO CONCERNED

10. STABILITY AND REACTIVITY

10.1. Reactivity

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

10.2. Chemical stability

NO CONCERNED

10.3. Possibility of hazardous reactions

NO CONCERNED

10.4. Conditions to avoid

Avoid temperatures near the flash point (see section 9). Avoid contact with oxidizing agents

10.5. Incompatible materials

NO CONCERNED

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

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Toxicological Information : No data available.

Toxicological Informations Acute :

- **Orale**

Non Determiné

- **Inhalation**

Non Determiné

- **Skin**

2 500,00 (Estimée)

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11.2. Information on other hazards

According to our current information, no substances are considered to be endocrine disruptors.

12. ECOLOGICAL INFORMATION

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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

12.5. Results of PBT and vPvB assessment

NO CONCERNED

12.6. Endocrine disrupting properties

According to our current information, no substances are considered to be endocrine disruptors.

12.7. Other adverse effects

NO CONCERNED

13. DISPOSAL RECOMMENDATIONS

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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.

14. TRANSPORT INFORMATION

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14.1. UN number

ADR/ADN/RID : NO REGULATED
IMDG:NO REGULATED
IATA :NO REGULATED

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14.2. UN proper shipping name

ADR/ADN/RID : NO REGULATED
IMDG:NO REGULATED
IATA :NO REGULATED

14.3. Transport hazard class(es)

ADR/ADN/RID : NO REGULATED
IMDG:NO REGULATED
IATA :NO REGULATED

14.4. Packing group

ADR/ADN/RID : NO REGULATED
IMDG:NO REGULATED
IATA :NO REGULATED

14.5. Environmental hazards

IMDG : NO REGULATED

14.6. Special precautions for user

NO CONCERNED

14.7. Maritime transport in bulk according to IMO instruments

NO CONCERNED

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15. REGULATORY INFORMATION

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

Class of water contamination (Germany) : WGK

Valeur ICPE : 0

15.2. Chemical safety assessment

NO CONCERNED

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16. OTHER INFORMATION

Full H sentences text in point 3 :

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H302+H312 Harmful if swallowed or in contact with skin

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| | |
|----------------|--|
| H302+H312+H332 | Harmful if swallowed, in contact with skin or if inhaled |
| H302+H332 | 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. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory 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. |

Material security data sheet according to 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 : 1.3 1.4 10.4 16