

Material security data sheet

Printed : 12/12/2023

Revised : LSI_2023-1-CLP du 12/12/2023

ORGANIC FRESH GINGER OIL / Zingiber officinalis

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

ORGANIC FRESH GINGER OIL / Zingiber officinalis

Commercial Name : ORGANIC FRESH GINGER OIL / Zingiber officinalis

C.A.S Number : 8007-08-7

Country of origin : **Madagascar**

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)

AH1 Aspiration hazard 1
ED12 Serious eye damage / eye irritation 2
ED12A Serious eye damage / eye irritation 2A
EHC2 Hazardous to the aquatic environment, long-term hazard 2
SCI2 Skin corrosion / irritation 2
SS1 Sensitisation skin 1

H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.

2.2. Label elements

GHS Classification :

(RegulationCLP)

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Signal word: Danger

AH1 Aspiration hazard 1
 EDI2 Serious eye damage / eye irritation 2
 EDI2A Serious eye damage / eye irritation 2A
 EHC2 Hazardous to the aquatic environment, long-term hazard 2
 SCI2 Skin corrosion / irritation 2
 SS1 Sensitisation skin 1

H304 - May be fatal if swallowed and enters airways.
 H315 - Causes skin irritation.
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 H319 - Causes serious eye irritation.
 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.
 P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...



2.3. Other hazards

Content beta-Phellandrene, Citral, l-b-Bisabolene, Eucalyptol, alpha-Pinene, Neral, Limonene, Myrcene, Geraniol, Linalool, Geranyl acetate, beta-Pinene, Citronellol, Terpinolene, Farnesal, beta-Caryophyllene, Citronellal, delta-3-Carene, Isoeugenol

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# 79-92-5 EINECS# 201-234-8	Camphene	EDI2B, EHA1, EHC1, FL3 H320, H400, H410, H226		13.00
CAS# 555-10-2 EINECS# 209-081-9	beta-Phellandrene	AH1, FL3 H304, H226		10.00
CAS# 5392-40-5 EINECS# 226-394-6	Citral	EDI2, EDI2A, SCI2, SS1 H319, H319, H315, H317		8.00
CAS# 495-61-4	l-b-Bisabolene	AH1, AT14, EHC2, SCI2, SS1B H304, H332, H411, H315, H317	ATE (Inhalation) : 1.5mg/L	7.00
CAS# 470-82-6 EINECS# 207-431-5	Eucalyptol	EDI2B, FL3, SS1B H320, H226, H317		6.00
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	5.00
CAS# 106-26-3 EINECS# 203-379-2	Neral	EDI2, EDI2A, SCI2, SS1B H319, H319, H315, H317		3.35

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CAS# 5989-27-5 EINECS# 227-813-5	Limonene	AH1, EHA1, EHC3, FL3, SCI2, SS1B H304, H400, H412, H226, H315, H317		2.50
CAS# 123-35-3 EINECS# 204-622-5	Myrcene	AH1, EDI2, EDI2A, EHA1, EHC2, FL3, SCI2 H304, H319, H319, H400, H411, H226, H315		2.00
CAS# 507-70-0 EINECS# 208-080-0	Borneol	EHC2, FS1, SCI2 H411, H228, H315		1.50
CAS# 106-24-1 EINECS# 203-377-1	Geraniol	EDI1, SCI2, SS1 H318, H315, H317		1.00
CAS# 78-70-6 EINECS# 201-134-4	Linalool	EDI2, EDI2A, SCI2, SS1B H319, H319, H315, H317		1.00
CAS# 105-87-3 EINECS# 203-341-5	Geranyl acetate	EHC3, SCI2, SS1B H412, H315, H317		0.70
CAS# 106-22-9 EINECS# 203-375-0	Citronellol	EDI2, EDI2A, SCI2, SS1B H319, H319, H315, H317		0.50
CAS# 586-62-9 EINECS# 209-578-0	Terpinolene	AH1, EHA1, EHC1, FL3, SS1B H304, H400, H410, H226, H317		0.50
CAS# 127-91-3 EINECS# 204-872-5	beta-Pinene	AH1, EHA1, EHC1, FL3, SCI2, SS1B H304, H400, H410, H226, H315, H317		0.50
CAS# 19317-11-4 EINECS# 242-957-9	Farnesal	SCI2, SS1B H315, H317		0.20
CAS# 87-44-5 EINECS# 201-746-1	beta-Caryophyllene	AH1, SS1B H304, H317		0.15
CAS# 99-87-6 EINECS# 202-796-7	p-Cymene	AH1, EHC2, FL3, REP2 H304, H411, H226, H361		0.15
CAS# 76-22-2 EINECS# 200-945-0	Camphor	ATI4, ATO4, EDI1, EHC2, SCI2, STO-SE2 H332, H302, H318, H411, H315, H371	ATE (Orale) : 1500.015mg/kg ATE (Inhalation) : 1.5mg/L	0.10
CAS# 106-23-0 EINECS# 203-376-6	Citronellal	EDI2, EDI2A, SCI2, SS1B H319, H319, H315, H317		0.10
CAS# 99-86-5 EINECS# 202-795-1	alpha-Terpinene	AH1, ATO4, EHC2, FL3 H304, H302, H411, H226	ATE (Orale) : 1680.023mg/kg	0.10
CAS# 13466-78-9 EINECS# 236-719-3	delta-3-Carene	AH1, ATI4, EHC2, FL3, SCI2, SS1 H304, H332, H411, H226, H315, H317	ATE (Inhalation) : 1.5mg/L	0.10
CAS# 99-85-4 EINECS# 202-794-6	gamma-Terpinene	AH1, FL3, REP2 H304, H226, H361		0.10
CAS# 97-54-1 EINECS# 202-590-7	Isoeugenol	ATD4, ATI4, ATO4, EDI2, EDI2A, SCI2, SS1A, STO-SE3-RI H312, H332, H302, H319, H319, H315, H317, H335	ATE (Dermale) : 1912.009mg/kg ATE (Orale) : 500mg/kg ATE (Inhalation) : 1.5mg/L	0.05

3.2. Mixtures

NO CONCERNED

4. FIRST AID MEASURES

4.1. Description of first aid measures

NO CONCERNED

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

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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

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

6.4. Reference to other sections

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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

NO CONCERNED

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 :

- Hand protection: Wear gloves.
- Eye protection: Wear glasses.
- Respiratory protection : Wear a mask.
- 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 orange
Relative density (d ₂₀ /20) :	[0.870 ; 0.890]
Refractive index @ 20°C :	[1.480 ; 1.500]
Angular rotation (°) :	[-30.0 ; -10.0]
Flash point :	65°C

9.2. Other information

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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

Toxicological Information : No data available.

Toxicological Informations Acute :

- **Orale**

Matière non classée

- **Inhalation**

Non Déterminé

- **Skin**

Matière non classée

11.2. Information on other hazards

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

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.

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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

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

ADR/ADN/RID:



IMDG:



IATA:



14.1. UN number

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ADR/ADN/RID : 3082 (Tunnel code(E))
IMDG:3082
IATA :3082

14.2. UN proper shipping name

ADR/ADN/RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s (EXTRACTS, LIQUID FOR
FLAVOURING OR AROMA)
IMDG:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s (EXTRACTS, LIQUID FOR FLAVOURING OR
AROMA)
IATA :ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s (EXTRACTS, LIQUID FOR FLAVOURING OR
AROMA)

14.3. Transport hazard class(es)

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 material

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

Valeur ICPE : **4511**

15.2. Chemical safety assessment

NO CONCERNED

16. OTHER INFORMATION

Full H sentences text in point 3 :

H226 Flammable liquid and vapour.
H228 Flammable solid.
H302 Harmful if swallowed.

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H302+H312	Harmful if swallowed or in contact with skin
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.
H320	Provoque une irritation des yeux
H335	May cause respiratory 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>.
H371	May cause damage to organs <or state all organs affected, 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.
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 : 2.3 3.1