

Material security data sheet

Printed : 13/07/2022

Revised : 001NEW21-1-CLP from 13/07/2022

FENNEL BITTER OIL ORGANIC

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

FENNEL BITTER OIL ORGANIC

C.A.S Number : 8006-84-6 ; ;
C.A.S EINECS Number : 84625-39-8
C.A.S (TSCA) :
EINECS Number : 283-414-6
EC Number : 283-414-6
REACH Registration n° : Low tonnage exemption <1T/year

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

Concentrated aromatic raw material.
Not intended for personal use in this form or concentration.
For industrial use only, not for retail sale.

USE : **Perfuming substance ; flavouring substance (according to batches)**

1.3. Details of the supplier of the safety data sheet

Company : SAS DIFFUSIONS AROMATIQUES
558 allée des Parfums
Parc d'activités "Les Hauts de Grasse"
06530 SAINT-CEZAIRE-SUR-SIAGNE
Tel:+33 (0)4 93 60 82 82
Fax :+33 (0)4 93 60 82 79
Web :www.diffusions-aromatiques.fr
Email :contact@diffusions-aromatiques.fr

1.4. Emergency telephone number

Emergency telephone number 24h/24 - 7d/7: ORFILA (INRS) : +33.(0)1.45.42.59.59

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification :

(RegulationCLP)

AH1 Aspiration hazard 1
CAR2 Carcinogenicity 2
EHC1 Hazardous to the aquatic environment, long-term hazard 1
MUT2 Germ cell mutagenicity 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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H317 - May cause an allergic skin reaction.

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>.

H410 - Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Classification :

(RegulationCLP)



Warning mention : Warning

AH1 Aspiration hazard 1
 CAR2 Carcinogenicity 2
 EHC1 Hazardous to the aquatic environment, long-term hazard 1
 MUT2 Germ cell mutagenicity 2
 SCI2 Skin corrosion / irritation 2
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H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

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>.

H410 - Very toxic to aquatic life with long lasting effects.

P264 - Wash ... thoroughly after handling.

P273 - Avoid release to the environment.

P281 - Use personal protective equipment as required.

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

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P331 - Do NOT induce vomiting.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

2.3. Other hazards

Contains FENOUIL AMER HE BIO code FHEBIO, alpha-Pinene, Estragole

No information available.

3. COMPOSITION / INFORMATION ON INGREDIENT

3.1. Components

Material	C.A.S	EINECS	Risk Symbol	Percent %
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FENOUIL AMER HE BIO code FHEBIO (REACH Number : Low tonnage exemption <1T/year)	8006-84-6	283-414-6	AH1, CAR2, EHC1, MUT2, SCI2, SS1 - H315, H317, H341, H351, H410	[70-100]
Trans Anethol	4180-23-8	224-052-0	EHC3, SS1B - H317, H412	[70-100]
alpha-Pinene	80-56-8	201-291-9	AH1, ATO4, EHA1, EHC1, FL3, SCI2, SS1B - H226, H302, H304, H315, H317, H400, H410	[5-10]
Estragole	140-67-0	205-427-8	ATO4, CAR2, EDI2, EHC3, MUT2, SCI2, SS1A - H302, H315, H317, H319, H341, H351, H412	[5-10]
Limonene	5989-27-5	227-813-5	AH1, EHA1, EHC2, FL3, SCI2, SS1B - H226, H304, H315, H317, H411	[1-5]
Para-cymene	99-87-6	202-796-7	AH1, EHC2, FL3, REP2 - H226, H304, H361, H411	[1-5]
Beta pinene	127-91-3		AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	[0.1-1]
Anisic aldehyde	123-11-5	204-602-6	EHC3 - H412	[0.1-1]
Camphor (REACH Number : 01-2119966156-31-***)	76-22-2	200-945-0	ATI4, EDI1, FS2, SCI2, STO-SE2 - H228, H315, H318, H332, H371	[0.1-1]
Linalool	78-70-6	201-134-4	EDI2, SCI2, SS1B - H315, H317, H319	[0.1-1]
Eucalyptol - 1,8 cineol	470-82-6	207-431-5	FL3, SS1B - H226, H303, H317, H320, H402	[0.1-1]

3.2. Description

BOTANICAL NAME : **Foenicullum vulgare Mill. var. vulgare**

4. FIRST AID MEASURES

4.1. Description of first aid measures

General notes: Take Risk and Safety phrases (section 15) into account.

Following inhalation:

Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

Following skin contact:

Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Following eye contact:

Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Following ingestion:

Rinse mouth with water and obtain medical advice.

Notes for the doctor:

Treat symptomatically and supportively.

Treatment may vary with condition of victim and specifics of incident.

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

It presents no significant acute and delayed symptoms.

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

Attending physician should treat exposed patients symptomatically

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.

Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material.

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 individual protective equipment (waterproof boots, suitable protective clothing, and safety glasses). Prevent any contact with hot surfaces. Do not approach facing the wind. Ensure adequate ventilation. Do not breathe vapour/spray.

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

See Section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See Section 13 for information on disposal

7. HANDLING AND STORAGE

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7.1. Precautions for safe handling

Advice on safe handling: Avoid excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.

If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapor concentrations in the workplace air. Where chemicals are openly handled, access should be restricted to properly trained employees.

Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.

Advice on protection against fire and explosion: Keep away from ignition sources and naked flame. 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)

Not available

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: Protection not required but recommended.

- Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

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

Eye and face protection: Use tight-fitting goggles, face shield or safety glasses with side shields if eye contact might occur.

Skin protection: Wear appropriate dust resistant clothing. Avoid skin contact. Use chemically resistant gloves.

Protective gloves: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Respiratory protection: See local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured.

Thermal hazards: Not available.

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Environmental exposure controls: Prevent from entering sewers, basements and workpans, or any place where its accumulation can be dangerous.

Consumer exposure controls: Avoid breathing directly on the product. Apply local ventilations when appropriate. Wash hands with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Shelf life :	24 months in above conditions, after this time it can be used after control.
FREEZING POINT :	ND
POINT D'INFLAMMATION :	ND
IGNITION TEMPERATURE (°C) :	ND
EXPLOSIVE LIMITS :	ND
OPTICAL ROTATION (°) :	[+10° ; +24°]
Color :	Colorless to light yellow
ODOR :	Characteristic ; spicy
Appearance :	Liquid
Solubility(ies) :	Insoluble in water, soluble in ethanol
Relative density (d ₂₀ /20) :	[0.940 ; 0.974]
Refractive index to 20°C :	[1.522 ; 1.538]
Flash point :	62°C
Vapor pressure :	ND
FUSION POINT (capillarity) °C :	ND
BOILING POINT (°C) :	100°C
OPTICAL ROTATION (°) :	ND
Partition coef (n-octanol/water) :	ND
PH :	ND
ACID VALUE (mg KOH/g) :	ND

9.2. Other information

NO CONCERNED

10. STABILITY AND REACTIVITY

10.1. Reactivity

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

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

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No hazardous reactions known.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Avoid contact with strong acids, alkali or oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous decomposition products: Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological Informations Acute :

LD50 (dermal / rat) mg/kg : **ND**

LD50 ORAL/RAT (mg/kg) : **ND**

PRESENCE of CMR : **Contains naturally (technically unavoidable) : Estragole Max. 6% ; Para-cymene 1.50%**

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

BIODEGRADABILITY : **ND**

12.3. Bioaccumulative potential

NO CONCERNED

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

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12.6. 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

:



:



IATA:



14.1. UN number

: 1169 ((D/E))

:1169

IATA :1169

UN N° :

1169 (extracts, aromatic, liquid)

14.2. Transport hazard class(es) and Packing group

RID/ADR (Road) :

3 III subsidiary risk HAZARDOUS TO ENVIRONMENT

IATA (Air) :

3 III

IMDG (Sea) :

3 III subsidiary risk HAZARDOUS TO ENVIRONMENT - Marine pollutant

15. REGULATORY INFORMATION

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

Class of water contamination (Germany) : WGK

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15.2. Chemical safety assessment

Contains 3-Carène !, Alpha pinène !, Estragole, Limonene, Pin-2(10)-ène!, trans-Anethole [(E)-Anethole]
! : Can cause allergic reaction.

16. OTHER INFORMATION

Full H sentences text in point 3 :

H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed
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
H332	Harmful if inhaled.
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>.
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.
H402	Nocif pour les organismes aquatiques
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.

Acronyms used:

C.A.S: Chemical Abstract Service

TSCA: Toxic Substances Control Act

EINECS: European inventory of existing Commercial Chemical Substances

GHS Global Harmonized System

CLP: Classification and Labelling and Packaging of substances and mixtures

ADR: Agreement Dangerous goods by Road

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

The information contained in this sheet is based on our knowledge of the product concerned at the time of issue.

The information given in this safety data sheet is in accordance with **Regulation 1907/2006/EC of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) establishing a**

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European Chemicals Agency, (amended by Regulation 2015/830, 2020/878 (Annex II of REACH), amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC, and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC, 200/21/EC and according to Regulation 453/2010/EC of 20 May 2010.

The attention of users is also drawn to the possible risks involved when a product is used for a purpose other than that for which it was designed.

REVISION DATE :

13/07/2022