

SAFETY DATA SHEET

EC Regulation No.1907/2006 (REACH) & 1272/2008 (CLP)

THIS PRODUCT IS FOR EXTERNAL USE ONLY- DO NOT INGEST

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

Product identifier

Commercial Name: FENNEL SWEET OIL ORGANIC
INCI Name: FOENICULUM VULGARE DULCE FRUIT OIL
CAS No: 84455-29-8
EINECS No: 282-892-3
TSCA CAS No: 8006-84-6
FEMA: 2483
Chemical Name:
Botanical Name: *Foeniculum vulgare*
Origin: Spain



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

Identified use (s): Essential Oil. Perfume/fragrance material for manufacturing purposes only.

Details of the supplier of the safety data sheet

Company Name: BAY HOUSE INGREDIENTS
Contact: JOHN BLACK
Address: Unit 3 Quatro Park, Tanners Drive, Milton Keynes MK14 5FJ ENGLAND
Telephone : ☎ + 44 (0) 1908 210270
Fax: ☎ + 44 (0) 1908 211376
Email : ✉ sales@bay-house.co.uk
Emergency Tel. No.: ☎ + 44 (0) 1908 210270

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to the current IFRA/ IOFI 2020 Labelling Manual and Regulation (EC) No. 1272/2008 (CLP)

Symbols:



Signal word: DANGER

Hazard Class	Abbreviation	Hazard Category	Hazard Code	Hazard Statement
Acute Toxic Oral	ATO	4	H302	Harmful if swallowed
Aspiration Hazard	AH	1	H304	May be fatal if swallowed and enters airways
Skin Corrosion/Irritation	SCI	3	H316	Causes mild skin irritation
Skin Sensitisation	SS	1	H317	May cause an allergic skin reaction
Carcinogenicity	CAR	2	H351	Suspected of causing cancer
Mutagenicity	MUT	2	H341	Suspected of causing genetic defect
Environmental Acute	EHA	2	H401	Toxic to aquatic life
Environmental Chronic	EHC	2	H412	Toxic to aquatic life with long lasting effects

UN Global Harmonised System Precautionary Statements (CLP)

	Prevention Statements
P280	Wear protective gloves/clothing, eye/face protection
P264	Wash hands thoroughly after handling
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P281	Use personal protective equipment as required



	Response Statements
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P321/363	Protective clothing should be washed before reuse
P331	Do NOT induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse.
P353	Rinse skin with water/shower.
P305	IF IN EYES: Rinse cautiously with water for several minutes.
P351/338	Remove contact lenses if present and easy to do. Continue rinsing.
P337/313	If eye irritation persists: get medical advice/attention
P370/378	In case of fire: Use carbon dioxide, foam or dry powder for extinction.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P308/313	If exposed or concerned: get medical advise/attention
P391	Collect spillage

	Storage and Disposal Statements
P405	Store locked up.
P501	Dispose of contents and container in accordance with international regulation
P403	Store in a well ventilated place.
P235	Keep cool

3. COMPOSITION/INFORMATION ON CONSTITUENTS

Nature Of Product: FENNEL SWEET OIL (100% Pure & Natural)

Foeniculum Vulgare Dulce Fruit Oil is the essential oil steam-distilled from the dried fruits of the Sweet Fennel, Foeniculum vulgare var. dulce, Umbelliferae. Syn Sweet fennel

EINECS No: 282-892-3
FEMA: 2483

CAS No: 84455-29-8
FDA: 182-20

TSCA CAS No: 8006-84-6
HC (%): 25

Constituents:

These indicative levels should be taken into account when determining the compliance of the essential oil under its condition of use. (IFRA/IOFI Labelling Manual 2020 - Classified constituents $\geq 0.1\%$, no Aspiration hazard & Flammability)

CONSTITUENT	CAS NUMBER	\leq %	RELEVANT GHS
1,7,7-Trimethylbicyclo[2.2.1] heptan-2-one	76-22-2	0.2	STOT SE 2;H371 Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Acute Tox. 4 (Oral);H302 Acute Tox. 4 (Inhalation:dust,mist);H332
3,7-Dimethyl-1,3,6-octatriene	13877-91-3	0.5	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
alpha-Phellandrene	99-83-2	2.0	Aquatic Chronic 1;H410 Aquatic Acute 1;H400
alpha-Pinene	80-56-8	8.0	Acute Tox. 4 (Oral);H302 Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
beta-Pinene	127-91-3	2.0	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
Camphene	79-92-5	0.4	Eye Irrit. 2B;H320 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
cis-Anethole	25679-28-1	0.3	Acute Tox. 5 (Oral);H303 Skin Irrit. 3;H316 Skin Sens. 1B;H317 Aquatic Acute 2;H401
cis-beta-Ocimene	3338-55-4	0,5	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
delta-3-Carene	13466-78-9	0.4	Skin Sens. 1;H317 Skin Irrit. 2;H315 Acute Tox. 5 (Oral);H303 Acute Tox. 4 (Inhalation:dust,mist);H332 Aquatic Acute 2;H401 Aquatic Chronic 2;H411
d-Limonene	5989-27-5	10.0	Skin Irrit. 2;H315 Skin Sens. 1B;H317 Aquatic Acute 1;H400 Aquatic Chronic 3;H412

3. COMPOSITION/INFORMATION ON CONSTITUENTS

Nature Of Product: FENNEL SWEET OIL (100% Pure & Natural)

CONSTITUENT	CAS NUMBER	<= %	RELEVANT GHS
Estragole (methyl chavicol)	140-67-0	6.0	Skin Sens. 1B;H317 Skin Irrit. 2;H315 Muta. 2;H341 Carc. 2;H351 Aquatic Chronic 3;H412 Aquatic Acute 2;H401 Acute Tox. 4 (Oral);H302
Eucalyptol	470-82-6	0.6	Acute Tox. 5 (Oral);H303 Skin Sens. 1B;H317 Eye Irrit. 2B;H320 Aquatic Acute 3;H402
Fenchone	1195-79-5	11.0	Acute Tox. 5 (Oral);H303 Aquatic Acute 2;H401
Myrcene	123-35-3	2.0	Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
p-Cymene	99-87-6	1.0	Skin Irrit. 3;H316 Repr. 2;H361 Aquatic Chronic 2;H411 Aquatic Acute 2;H401 Acute Tox. 5 (Oral);H303
p-Mentha-1,4-diene	99-85-4	0.3	Skin Irrit. 3;H316 Repr. 2;H361 Acute Tox. 5 (Oral);H303
p-Methoxybenzaldehyde	123-11-5	0.5	Acute Tox. 5 (Oral);H303 Aquatic Acute 3;H402 Aquatic Chronic 3;H412
Terpinolene	586-62-9	0.2	Skin Sens. 1B;H317 Skin Irrit. 3;H316 Aquatic Chronic 1;H410 Aquatic Acute 1;H400 Acute Tox. 5 (Oral);H303
trans beta-Ocimene	3779-61-1	0.2	Acute Tox. 5 (Oral);H303 Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic Chronic 2;H411
trans-Anethole	4180-23-8	80.0	Acute Tox. 5 (Oral);H303 Skin Irrit. 3;H316 Skin Sens. 1B;H317 Aquatic Acute 2;H401

Allergen Constituents Information (7th Amendment Cosmetic Directive 76/768/EEC): see Fragrance Allergen Certificate.

This analysis is based on statistical analytical data, batch analysis may show levels different to those indicated above, where this is available, batch specific analyzed levels can then be used instead of the indicative levels.

4. FIRST AID MEASURES

- Ingestion:** Do not induce vomiting, give a glass of water. Seek urgent medical attention and show this information.
- Inhalation:** Remove casualty to fresh air, keep respiratory passages clear and seek urgent medical attention.
- Eye contact:** Irrigate with sterile water or saline for at least 15 minutes. Seek urgent medical attention if irritation persists or tissue damage is apparent.
- Skin contact:** Remove contaminated clothing wash thoroughly with soap and water and rinse. If causes irritation after prolonged contact, if so seek medical advice.

5. FIRE-FIGHTING MEASURES

- Extinguisher:** Use CO2, Foam or Powder extinguishers only.
DO NOT USE WATER JETS.
- Smoke/Fumes:** Avoid inhalation of smoke or fumes, may produce CO (carbon monoxide) and CO2 (carbon dioxide).

6. ACCIDENTAL RELEASE MEASURES

- Personal Safety Precautions:** Avoid contact with skin and eyes. Wear safety gloves, clothing and glasses.
(Consult sections 7 & 8 for additional information)
- Environmental Safety Precautions:** Eliminate all sources of ignition.
Prevent any material entering drains or waterways
Absorb spills into an inert absorbent material
(e.g. proprietary oil drying granules or sand NOT sawdust or other flammable materials.)
Wash area clean with water and detergent.
Transfer all waste to an approved waste disposal container, observing national legislation.

7. HANDLING AND STORAGE

- Handling Precautions:** Only use in a well ventilated area. Observe good housekeeping procedures when handling the product. Do not eat, drink or smoke.
- Storage Precautions:** Product is stable at room temperature.
Keep away from sources of ignition.
Store in tightly sealed containers, in a cool dry place away from direct sunlight.
Prevent access by unauthorised personnel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Respiratory Protection:** Ensure adequate ventilation.
If ventilation is insufficient use approved respirators.
- Skin/Hand Protection:** Wear personal protective equipment. Use chemical resistant safety gloves.
Polyvinyl alcohol or nitrile rubber gloves are recommended.
- Eye/Face Protection:** Wear safety glasses/visors. Ensure eye washes are available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow liquid
Odour:	Aromatic anise odour
Flash Point:	63°C
Refractive Index @ 20°C:	1.528-1.553
Relative Density @ 20°C:	0.950-0.985
Solubility in water:	Insoluble

10. STABILITY AND REACTIVITY

<u>Thermal stability:</u>	Product is stable at room temperature. Keep away from any source of ignition. Decomposition may release carbon dioxide, carbon monoxide and other organic compound fumes.
<u>Hazardous reactions:</u>	Avoid strong oxidisers, acids and alkalis.

11. TOXICOLOGICAL INFORMATION

<u>Oral LD50:</u>	3.8g/Kg	This product is NOT intended for oral use.
<u>Dermal LD50:</u>	5.0g/Kg	
LD50 dosage levels are only a guideline obtained from historical data, Bay House Ingredients does not test its products on animals.		

12. ECOLOGICAL INFORMATION

<u>Ecological effects:</u>	No data available Care must be used to prevent the product contaminating rivers, waterways or drains. Should this happen alert the relevant authorities in accordance with statutory procedures
-----------------------------------	--

13. DISPOSAL CONSIDERATIONS

<u>Waste disposal:</u>	Do not pour into drains or waterways. Comply with local and national regulations for waste disposal. Empty containers should be washed thoroughly with detergent before being sent for disposal. Washings should be disposed of as waste.
-------------------------------	---

14. TRANSPORT INFORMATION

Transport this product in compliance with and provision of, the ADR/RID for Road and Rail, IMDG for Sea and ICAO/IATA for Air transportation.

UN Shipping Name (N.O.S.): UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
ADR/RID (Road/Rail): Class 9
IMDG/IMO (Sea): Class 9
ICAO/IATA (Air): Class 9
UN Number: 3082
Packing Group: III
Subsidiary Risk:
Packing Instructions: Miscellaneous dangerous substances and articles, transport in suitable container.

Labelling according to ADR/RID, IMDG/IMO and ICAO/IATA:

UN Shipping Name: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID



15. REGULATORY INFORMATION

Product Classification: FENNEL SWEET OIL ORGANIC

This product is labelled according to the criteria of Directive CLP 1272/2008/EC.

Classification:



DANGER
UN 3082

Hazard Categories:

ATO 4	Harmful if swallowed
AH 1	May be fatal if swallowed and enters airways
SCI 3	Causes mild skin irritation
SS 1	May cause an allergic skin reaction
CAR 2	Suspected of causing cancer
MUT 2	Suspected of causing genetic defect
EH A2, C2	Toxic to aquatic life
	Toxic to aquatic life with long lasting effects.

16. ADDITIONAL INFORMATION

Legal disclaimer:

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. Bay House Ingredients is a Division of Aroma Trading Ltd, Registered No. 2698381, V.A.T. Registration No. 600 516 981 and as such, shall not be held liable for any damage resulting from handling or from contact with the product, since the conditions of use are out of our control. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.