

**01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING****1.1 Product Identifier**

1.1 Product Identifier	Fennel Oil Sweet.				
Biological Definition	Foeniculum Vulgare Oil is the volatile oil obtained by steam distillation of the crushed seeds of Fennel, Foeniculum vulgare, Umbelliferae.				
INCI Name	Foeniculum vulgare oil.				
Synonyms Trade Names	Sweet Fennel Oil				
CAS Number	8006-84-6	EC Number	283-414-6	EINECS No.	283-414-6

**1.2 Relative identified uses of the substance or mixture and uses advised against**

No additional data available.

**1.3 Details of the supplier of the safety data sheet**

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

**1.4 Emergency Telephone Number**

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

**02. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

The Full Text for all Hazard Statements are Displayed in Section 16.

Classification (EC 1272 / 2008)

Physical and Chemical Hazards : Not classified. Skin Sens. 1 (H317) Asp. Tox. 1 (H304) Aqu. Chron. 2 (H411) Muta 2 (H341) Carc. 2 (H351)

GHS08

GHS07

GHS09

None

None



Signal Word

Danger

Contains

4180-23-8, 5989-27-5, 80-56-8, 501-92-8, 99-87-6,

**Hazard Statements**

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

H341 Suspected of causing genetic defects &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.

H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

### Precautionary Statements

P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 IF SWALLOWED:  
P330 Rinse mouth.  
P331 Do NOT induce vomiting.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container to...

### Supplementary Precautionary Statements

None Identified

## 2.3 Other Hazards

PBT or PvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

**70 - 80 % Trans-Anethole**

CAS No: 4180-23-8 EC No: 224-052-0

Classification (EC 1272/2008): ATO 5 (2700);SC13; SS1, EHA2

**3 - 8 % Limonene**

CAS No: 5989-27-5 EC No: 227-813-5

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Skin Irrit. 2 -H315, Skin Sens. 1 - H317, Asp. Tox. 1 -H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

**1 - 7 % Alpha-Pinene**

CAS No: 80-56-8 EC No: 201-291-9

Classification (EC 1272/2008): Aquatic Acute 2 - H400, Chronic Aquatic 1 - H410, Skin Sens. 1 - H317, Skin Irrit 2 - H315, Asp. Tox. 1 - H304, Acute Tox. 5 - H503, Flam. Liq. 3 - H226

**0 - 6 % Methylchavicol**

CAS No: 140-67-0 EC No: 205-427-8

Classification (EC 1272/2008): FL4, AT04 (1230), SC13, SS1,CAR2, MUT2

**1.5 - 1.5 % p-Cymene**

CAS No: 99-87-6 EC No: 202-796-7

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Acute Tox. 5 - H303, Aquatic Chronic 2 - H411, Skin Irrit 3 - H316

## 04. FIRST AID MEASURES

### 4.1 Description of first aid measures

41 Inhalation:	Do not leave affected person unattended. Remove victim out of the danger area. Provide fresh air.
41 Ingestion:	DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention.
41 Eye:	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
41 Skin:	After contact with skin. Remove contaminated, saturated clothing immediately, wash immediately with plenty of water and soap.

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

Observe risk of aspiration if vomiting occurs.

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

Treat symptomatically.

## 05. FIRE FIGHTING MEASURES

### 5.1 Extinguishing Media

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

### 5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

### 5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

## 06. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Avoid contact with skin, eye and clothing. Remove all sources of ignition. Provide adequate ventilation. Give a warning to persons in the hazard area.

### 6.2 Environmental Precautions

Do not allow to enter into surface water or drains. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

### 6.3 Methods and material for containment and clearing up

Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).

### 6.4 Reference to other sections

See protective measures under point 7 and 8.

## 07. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Wear personal protective clothing (see chapter 8). Do not breathe gas/fume/vapour/spray. Use only in well-ventilated areas. When using do not eat, drink, smoke, sniff. Provide earthing of containers, equipment, pumps and ventilation facilities. Take precautionary measures against static discharges.

### 7.2 Conditions for safe storage, including and incompatibilities

Keep container tightly closed in a cool, well-ventilated place.

## 7.3 Specific end use(s)

No additional data available.

## 08. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

No additional data available.

### 8.2 Exposure controls

#### Protective Equipment

Goggles

Gloves

None

None

None



Process Conditions:	Provide eyewash station.
Engineering Measures:	Provide adequate ventilation.
Respiratory Equipment:	Avoid inhalation of vapour.
Hand Protection:	Avoid skin contact. Wear protective gloves.
Eye Protection:	Wear protective goggles to prevent eye contact.
Other Protection:	Slip proof shoes may be worn in event of spillages.
Hygiene Measures:	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection:	Avoid inhalation of vapour and contact with skin and eyes.
Skin Protection	Wear overalls or laboratory coat to protect from skin contact.
Environmental Exposure Controls:	Avoid discharging into drainage water.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	Liquid, colourless to yellowish.
Colour:	Colourless to yellowish.
Flash Point:	62°C
Odour:	Characteristic
Relative Density:	0.950 - 0.985 @ 20°C
Refractive:	1.520 - 1.560 @ 20°C
Melting Point:	No additional data available.
Boiling:	No additional data available.
Vapour:	No additional data available.
Solubility:	Insoluble in water.
Auto Ignition:	No additional data available.

### 9.2 Other Information

No additional data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reactions known.

### 10.2 Chemical Stability

Product is stable at room temperature.

### 10.3 Possible hazardous reactions

No dangerous reactions expected if used according to specifications.

### 10.4 Conditions to avoid

Temperatures more than room temperature will benefit the transfer from liquid to vapour phase and formation of explosion.

### 10.5 Incompatible materials

No additional data available.

### 10.6 Hazardous Decomposition Products

No dangerous decomposition products known.

## 11. TOXOLOGICAL INFORMATION

### 11.1 Information on toxological effects

Acute Toxicity:	Acute toxicityLD50 (oral) in mg/kg: 3800 (3430 - 4170) LD50 (dermal) in mg/kg: > 5000
Respiratory or skin sensitisation:	No additional data available.
Skin corrosion/irritation:	No additional data available.
Serious Eye damage/irritation:	No additional data available.
Germ Cell Mutagenicity:	No additional data available.
Carcinogenicity:	No additional data available.
Reproductive toxicity:	No additional data available.
STOT Single exposure:	No additional data available.
STOT Repeated exposure:	No additional data available.
Photo-toxicity:	No additional data available.
Aspiration hazard:	No additional data available.
Other Information:	No additional data available.

## 12. ECOLOGICAL INFORMATION

## 12.1 Toxicity

No additional data available.

## 12.2 Persistence Degradability

No additional data available.

## 12.3 Bioaccumulation Potential

No additional data available.

## 12.4 Mobility in soil

No additional data available.

## 12.5 Results of PBT and vPvB Assessment

No additional data available.

## 12.6 Other adverse effects

No additional data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Hazardous waste according to waste regulation. Dispose according to legislation. Delivery to an approved waste disposal company. Non-contaminated packages may be recycled.

## 14. TRANSPORT INFORMATION

### 14.1 UN number

Road:	3082
Sea:	3082
Air:	3082

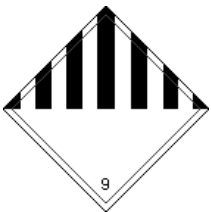
### 14.2 UN Proper shipping name

ENVIRONMENTAL

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class 9: Miscellaneous dangerous substances and articles. IMDG Class 9 ICAO  
Class/Division 9 Transport Labels

Cl. 9\_140 ENVIRONMENTAL ENVIRONMENTAL



### 14.4 Packing group

ADR/RID/ADN Packing group III IMDG Packing group III ICAO Packing group III

### 14.5 Environmental Hazards

Environmentally H

Umwelt\_140 ENVIRONMENTAL ENVIRONMENTAL



## 14.6 Special precautions for users

EMS F-A-S-F.Emergency Action Code 3Z.Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances. Tunnel Restriction Code (E).

## 14.7 Transport in bulk according to Annex II of MARLPOL73/78 and the IBC Code

Packed and transferred according to transport regulations.

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance

Statutory InstrumentsThe Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).Guidance NotesWorkplace Exposure Limits EH40. CHIP for everyone HSG(108).EU LegislationThe Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).Guidance NotesWorkplace Exposure Limits EH40. CHIP for everyone HSG(108).EU LegislationRegulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, 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 Directive 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 15.2 Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

## 16. OTHER INFORMATION

Hazard or precaution	H317 H304 H411 H341 H351	May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). Suspected of causing cancer.
Other Information:::	None	
Revision Date:		3/15/2022
Reason:	New SDS	
Revision Number:		2

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for his own particular use.