



Essential Oils Direct Ltd

Safety Data Sheet

**01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING**

1.1 Product Identifier					
Product Name		Fennel Oil Sweet.			
Biological Definition		Foeniculum Vulgare Oil is the volatile oil obtained by steam distillation of the crushed seeds of Fennel, <i>Foeniculum vulgare</i> , <i>Umbelliferae</i> .			
INCI Name		Foeniculum vulgare oil.			
Synonyms & Trade Names		Sweet Fennel Oil			
CAS-No	8006-84-6	EC No.	n/a	EINECS No.	n/a
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					
Essential Oils Direct Ltd 13 Parkside Industrial Estate, Royton, Oldham OL2 6DS - Reg No 04199912					
1.4 Emergency Tel. No.		+ 44 (0) 161 633 3952			

**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)		
2.2 Label Elements		
Label in accordance with (EC) No 1272/2008		
GHS08	GHS07	GHS09
Signal Word		Danger.
Contains		-
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 (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).	

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H351	Suspected of causing cancer.
<b>Precautionary Statements</b>	
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/protective clothing and eye/face protection.
P301+ 330+331	IF SWALLOWED: rinse mouth. 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 regional, national regulation.
<b>Supplementary Precautionary Statements</b>	
None	
<b>2.3 Other Hazards</b>	
PBT or vPvB 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

<b>3.2 Mixtures</b>	
<b>70-80% trans-Anethole</b> CAS-No 4180-23-8, EC No 224-052-0	
Classification (EC 1272/2008) ATO 5(2700); SCI3; SS1, EHA2	
<b>3-8% Limonene</b> CAS-No.: 5989-27-5 EC No.: 227-813-5	
Classification (EC 1272/2008) AH1, EHC1, FL3, SCI2, SS1	
<b>1-7% alpha-Pinenes</b> CAS No 80-56-8 EC No: 201-291-9	
Classification (EC 1272/2008) AT1, FL3, SCI2, SS1	
<b>Max 6% Methylchavicol</b> CAS-N° 140-67-0, EC No.: 205-427-8	
Classification (EC 1272/2008) FL4, ATO4 (1230), SCI3, SS1, CAR2, MUT2	
<b>1.5% p-Cymene</b> CAS-N° 99-87-6 EC No 202-796-7	
Classification (EC 1272/2008) ATO4 (1500), SCI3, EHA2, C2	

### 04. FIRST AID MEASURES

<b>4.1 Description of first aid measures</b>	
Inhalation	Do not leave affected person unattended. Remove victim out of the danger area. Provide fresh air.
Ingestion	DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention.
Skin Contact	After contact with skin. Remove contaminated, saturated clothing immediately, wash immediately with plenty of water and soap.
Eye Contact	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.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
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**

Foam  
Extinguishing powder  
Carbon dioxide (CO<sub>2</sub>)  
Avoid full water jet

**5.2 Special hazards arising from the product**

B (Fires of liquids or liquid turning substances).  
In case of fire toxic fumes like carbon monoxide and carbon dioxide may be liberated.  
Burning produces heavy smoke.

**5.3 Advice for firefighters**

Move undamaged containers from immediate hazard area if it can be done safely.  
Use suitable breathing apparatus.  
Regard to self protection.

**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 cleaning 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 any 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**

<b>8.1 Control parameters</b>	
No additional data available.	
<b>8.2 Exposure controls</b>	
Protective Equipment	
	
Process Conditions	Technical measures and the application of suitable work processes have priority over personal protection equipment.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	For high concentrations use respiratory equipment.
Hand Protection	Use solvent and acid resistant protection gloves according to EN 374. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Eye Protection	Use protection goggles according to EN166.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	See section 6 and 7.

**09. PHYSICAL AND CHEMICAL PROPERTIES**

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Liquid, colourless to yellowish.
Colour	Colourless to yellowish.
Odour	Characteristic
Relative Density	0.950 - 0.985 @ 20°C
Flash Point (°C)	62°C
Refractive Index	1.520 - 1.560 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.
<b>9.2 Other information</b>	
No additional data available.	

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	
No dangerous reactions known.	
<b>10.2 Chemical stability</b>	
Product is stable at room temperature.	

<b>10.3 Possible hazardous reactions</b>
No dangerous reactions expected if used according to specifications.
<b>10.4 Conditions to Avoid</b>
Temperatures more than room temperature will benefit the transfer from liquid to vapour phase and formation of explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.
<b>10.5 Incompatible materials</b>
No additional data available.
<b>10.6 Hazardous Decomposition Products</b>
No dangerous decomposition products known.

**11. TOXOLOGICAL INFORMATION**

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	Acute toxicity LD50 (oral) in mg/kg: 3800 (3430 - 4170) LD50 (dermal) in mg/kg: > 5000
Skin corrosion / irritation	No additional data available.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	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.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

**12. ECOLOGICAL INFORMATION**



<b>12.1 Toxicity</b>	
No additional data available.	
<b>12.2 Persistence &amp; degradability</b>	
No additional data available.	
<b>12.3 Bioaccumulation Potential</b>	
No additional data available.	
<b>12.4 Mobility in soil</b>	
No additional data available.	
<b>12.5 Results of PBT and vPvB Assessment</b>	
No additional data available.	
<b>12.6 Other adverse effects</b>	
No additional data available.	

**13. DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>
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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

<b>14.1 UN number</b>	
UN No. Road	3082
UN No. SEA	3082
UN No. AIR	3082
<b>14.2 UN proper shipping name</b>	
ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.	
<b>14.3 Transport hazard class(es)</b>	
ADR/RID/ADN Class	9: Miscellaneous dangerous substances and articles.
IMDG Class	9
ICAO Class/Division	9
Transport Labels	
	
<b>14.4 Packing group</b>	
ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III
<b>14.5 Environmental hazards</b>	
Environmentally Hazardous Substance/Marine Pollutant	
	
<b>14.6 Special precautions for user</b>	
EMS F-A-S-F. Emergency Action Code 3Z. Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances. Tunnel Restriction Code (E).	
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b>	
Packed and transferred according to transport regulations.	

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

#### EU Legislation

Regulation (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 Directives 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 and/or Precautionary Statements in Full	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	28/09/2016	
Reason for revision	02 - Transfer to new SDS format and Update of Transport data. 03 – update INCI name and Cas No.	
Rev No/Repl, SDS Generated	03 (Replaces 02)	

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