

MATERIAL SAFETY DATA SHEET

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FENNEL OIL SWEET  
Date: 14 May 2009  
MSDS Revision: 02

Date created: 12/07/02

1. Identification of the substance/preparation and company

Product name : Fennel (Sweet) Essential Oil  
Company name : Soap Basics  
Company address : 23 Southbrook Road  
Melksham  
Wiltshire  
SN12 8DS  
UK  
Phone : 01225 899286  
Email : info@soapbasics.co.uk

2. Hazards identification

General : When undiluted and not properly handled, can be irritating to the skin and eyes and upon inhalation. Combustible material that can sustain a fire.  
Hazard symbol : Xi, Irritant.  
: N, Dangerous for the environment.  
Risk phrases : R43, May cause sensitisation by skin contact.  
: R51/53, Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Environment : When spilled, can contaminate soil, ground and surface water.

3. Composition/information on ingredients

Chemical identification: FENNEL OIL FOENICULUM VULGARE  
CAS number : 8006-84-6  
EINECS number : 282-892-3

Contains	CAS/EINECS	Hazard Symbols	Conc%
(L) 3-carene	13466-78-9	Xi; R 43-52/53	1-5
	/-		
anethol	104-46-1	N; R 51/53	>50
	/203-205-5		
estragole	140-67-0	Xn; R 22	1-5
	/205-427-8		
(L) limonene	8028-48-6	Xi-N; R 38-43-50/53	1-5
	/-		
p-cymene	99-87-6	Xn-N; R 51/53-65	1-5
	/202-796-7		
(L) pinenes	-/-	Xi-N; R 50/53-43	5-25

(L) Ingredient must be disclosed on a label ("Contains \_").  
(S) Ingredient must be disclosed on a label as a sensitiser ("Contains \_ . May cause an allergic reaction.").

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4.First-aid measures

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Inhalation : Remove from exposure site to fresh air, keep at rest, and obtain medical attention.  
Eye exposure : Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.  
Skin exposure : Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.  
Ingestion : Rinse mouth with water and obtain medical attention.  
Others : Take Risk and Safety phrases (section 15) into consideration.

5.Fire-fighting measures

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Extinguishing media : Carbon dioxide, dry chemical, foam.  
Do not use a direct water-jet on burning material.

6.Accidental release measures

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Personal precautions : Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.  
Spillage : Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillage should be contained immediately by use of sand or inert powder and disposed of according to local regulations.  
Environmental precautions : Keep away from drains, surface and ground water, and soil.

7.Handling and storage

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Handling : Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.  
Storage : Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original containers. Avoid plastic and uncoated metal containers. Keep air contact to a minimum.  
Fire protection : Keep away from ignition sources and naked flame.

8.Exposure controls/personal protection

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Respiratory protection : Avoid excessive inhalation of concentrated vapours.  
Eye protection : Wear safety glasses.  
Skin protection : Avoid skin contact. Use chemically resistant gloves as needed.

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9. Physical and chemical properties

Appearance : WATER WHITE COLOURED LIQUID  
Odour : AROMATIC  
Flash point : 60 degC (CC)  
Oxidising property : None expected.  
Relative density : 0.9160 to 1.0160 @ 20 degC  
Refractive index : 1.5364 to 1.5464 @ 20 degC

10. Stability and reactivity

Reactivity : Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.  
Decomposition : Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. Toxicological information

This material is according to EEC Directive 67/548/EEC classified as:  
May cause sensitisation by skin contact.

12. Ecological information

General : This material is unlikely to accumulate in the environment and environmental problems under normal use conditions are unexpected.

13. Disposal considerations

Dispose of according to local regulations.  
Avoid disposing into drainage systems and into the environment.

14. Transport information

	Class	Pack group	Sub risk	UN no	IMDG page
Road (CDGRR)	: 3	III		UN1993	
Air (IATA)	: 3	III		UN1993	
Sea (IMDG)	: 3	III		UN1993	

15. Regulatory information

Classification Packaging / Labelling (Directive 1999/45/EC)  
Hazard symbol : Xi, Irritant.  
: N, Dangerous for the environment.  
Contains 3-carene, limonene, pinenes.  
Risk phrases : R43, May cause sensitisation by skin contact.  
: R51/53, Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Safety phrases : S24, Avoid contact with the skin.

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15.Regulatory information

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Classification Packaging / Labelling (Directive 1999/45/EC)

: S37, Wear suitable gloves.  
: S61, Avoid release to the environment. Refer to special  
instructions/safety data sheet.

16.Other information

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Conc % Limits (\*) : XiR43=20.00% NR51/53=15.53% R52/53=1.55% R53=30.86%  
IFRA=100.000% IFRANS=100.000%

(\*) These are the maximum percent concentrations that this material can be used in a non-hazardous product without the indicated risk being applicable to that product.

The shelf life of this product is 24 months from date of manufacture.

The information in this leaflet is to the best of Soap Basics' knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.