

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 09.11.2009

Revision: 09.11.2009

### 1 Identification of the substance/preparation and of the company/undertaking

**. Product details**

**. Trade name:** Sweet fennel oil

**. Article number:** 2047

**. Application of the substance / the preparation** Flavour for industrial use, not aimed to be eaten in the state.

**. Manufacturer/Supplier:**

Butterbur and Sage Ltd, Aroma House,  
3-5 Cremyll Road, Reading, Berkshire RG1 8NQ  
TEL: + 44 (0) 1189 505100  
Tel : + 44 (0) 1189 576300  
E-mail : info butterburandsage.com

**. Further information obtainable from:** Quality - Security - Environment Department

**. Information in case of emergency:** + 44 (0) 1189 505100

### 2 Hazards identification

**. Hazard description:**



Xn Harmful  
N Dangerous for the environment

**. Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 43 May cause sensitisation by skin contact.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

**. Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 3 Composition/information on ingredients

**. Chemical characterization:**

**. CAS No. Description**

8006-84-6 Sweet fennel oil

**. Identification number(s)**

**. EINECS Number:** 282-892-3

**. Chemical characterization**

**. Description:** Sweet fennel oil

**. hazardous components:**

CAS: 4180-23-8 EINECS: 224-052-0	(E)-anethole N; R 51/53	50-100%
CAS: 80-56-8 EINECS: 201-291-9	pin-2(3)-ene Xn,  Xi,  N; R 10-43-50/53-65	2.5-10%
CAS: 5989-54-8 EINECS: 227-815-6	(S)-p-mentha-1,8-diene Xi,  N; R 10-38-43-50/53	2.5-10%
CAS: 140-67-0 EINECS: 205-427-8	4-allylanisole Carc. Cat. 3, Muta. Cat. 3;  Xn,  Xi; R 22-40-43-68	

2.5-10%

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. **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First-aid measures

. **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air.

. **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

If skin irritation continues, consult a doctor.

. **After eye contact:** Rinse opened eye for several minutes under running water.

. **After swallowing:** Inform doctor. Do not give milk or fatty oils.

### 5 Fire-fighting measures

. **Suitable extinguishing agents:** CO<sub>2</sub>, powder, foam

. **For safety reasons unsuitable extinguishing agents:** Water with full jet

. **Special hazards caused by the substance, its products of combustion or resulting gases:**

Carbon monoxide (CO)

. **Protective equipment:** No special measures required.

### 6 Accidental release measures

. **Person-related safety precautions:** Not required.

. **Measures for environmental protection:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

. **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

### 7 Handling and storage

. **Handling:**

. **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.

. **Information about fire - and explosion protection:** No special measures required.

. **Storage:**

. **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.

. **Information about storage in one common storage facility:** Not required.

. **Further information about storage conditions:** Store in the dark.

### 8 Exposure controls/personal protection

. **Additional information about design of technical facilities:** No further data; see item 7.

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**. Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**. Additional information:** The lists valid during the making were used as basis.

**. Personal protective equipment:**

**. General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

**. Respiratory protection:** Not required.

**. Protection of hands:**



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/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**. Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**. Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**. Eye protection:** Goggles recommended during refilling

### 9 Physical and chemical properties

**. General Information**

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless to pale yellow
<b>Odour:</b>	Characteristic

**. Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.

**. Flash point (Pensky Martens DIN 51 758 method):** 79°C

**. Self-igniting:** Product is not selfigniting.

**. Danger of explosion:** Product does not present an explosion hazard.

**. Density at 20°C:** 0.964 g/cm<sup>3</sup>

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**. Solubility in / Miscibility with water:**

*Not miscible or difficult to mix.*

### 10 Stability and reactivity

- . **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- . **Dangerous reactions** *No dangerous reactions known.*
- . **Dangerous decomposition products:** *No dangerous decomposition products known.*

### 11 Toxicological information

- . **Acute toxicity:**
- . **Primary irritant effect:**
- . **on the skin:** *No irritant effect.*
- . **on the eye:** *No irritating effect.*
- . **Sensitization:** *Sensitization possible through skin contact.*
- . **Additional toxicological information:**  
*The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:*  
*Irritant*
- . **Sensitisation** *May cause sensitisation by skin contact.*

### 12 Ecological information

- . **Ecotoxicological effects:**
- . **Remark:** *Toxic for fish*
- . **General notes:**  
*Do not allow product to reach ground water, water course or sewage system, even in small quantities.*  
*Also poisonous for fish and plankton in water bodies.*  
*Toxic for aquatic organisms*

### 13 Disposal considerations

- . **Product:**
- . **Recommendation**  
*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
- . **Uncleaned packaging:**
- . **Recommendation:** *Disposal must be made according to official regulations.*

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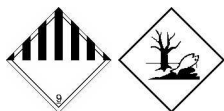
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### 14 Transport information

#### . Land transport ADR/RID (cross-border)



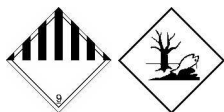
- . **ADR/RID class:** 9 (M6) Miscellaneous dangerous substances and articles.
- . **Danger code (Kemler):** 90
- . **UN-Number:** 3082
- . **Packaging group:** III
- . **Hazard label:** 9
- . **Special marking:** Symbol (fish and tree)
- . **Description of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (sweet fennel oil)

#### . Maritime transport IMDG:



- . **IMDG Class:** 9
- . **UN Number:** 3082
- . **Label:** 9
- . **Packaging group:** III
- . **EMS Number:** F-A,S-F
- . **Marine pollutant:** No
- . **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (sweet fennel oil)

#### . Air transport ICAO-TI and IATA-DGR:



- . **ICAO/IATA Class:** 9
- . **UN/ID Number:** 3082
- . **Label:** 9
- . **Special marking:** Symbol (fish and tree)
- . **Packaging group:** III
- . **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (sweet fennel oil)

. **Environmental hazards:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID

### 15 Regulatory information

#### . Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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**. Code letter and hazard designation of product:**

*Xn Harmful*

*N Dangerous for the environment*

**. Hazard-determining components of labelling:**

*pin-2(3)-ene*

*(S)-p-mentha-1,8-diene*

**. Risk phrases:**

*43 May cause sensitisation by skin contact.*

*51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

*65 Harmful: may cause lung damage if swallowed.*

**. Safety phrases:**

*24 Avoid contact with skin.*

*37 Wear suitable gloves.*

*61 Avoid release to the environment. Refer to special instructions/safety data sheets.*

*62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.*

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**. Relevant R-phrases**

*10 Flammable.*

*22 Harmful if swallowed.*

*38 Irritating to skin.*

*40 Limited evidence of a carcinogenic effect.*

*43 May cause sensitisation by skin contact.*

*50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

*51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

*65 Harmful: may cause lung damage if swallowed.*

*68 Possible risk of irreversible effects.*

**. Department issuing MSDS: Quality - Security - Environment Department**

**. Sources** Sandy Sage

**. \* Data compared to the previous version altered.**