



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: Identification

Product Name: Fennel Essential Oil

Botanical Name: *Foeniculum vulgare* Mill. var. *Dulce*

INCI Name: Foeniculum Vulgare Dulce Seed Oil

CAS Number: 8006-84-6

EC Number: 282-892-3

FEMA Number: 2483

Extraction Method: Steam Distillation

Plant Part: Seeds

Origin: Australia

Product Type: Essential Oil

Olfactory Description: Sweet, fresh, herbaceous, anise-like, spicy, warm.

Grade: Premium Perfumery Grade

Recommended Use: Professional perfumery, cosmetics, aromatics and fragrance manufacturing.

Supplier

Aromology Trading LLC

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SECTION 2 – HAZARD IDENTIFICATION

GHS Classification

- Flammable Liquid – Category 4
- Skin Irritation – Category 2
- Eye Irritation – Category 2
- Skin Sensitisation – Category 1
- Specific Target Organ Toxicity (Single Exposure) – Category 3 (Respiratory Irritation)



These classifications are consistent with published safety data for fennel oil.

Signal Word

Warning

Hazard Statements

- H227 Combustible liquid.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

Precautionary Statements

- P261 Avoid breathing vapours.
- P264 Wash thoroughly after handling.
- P271 Use only in well-ventilated areas.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves and eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P501 Dispose of contents and container according to local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Product	Fennel Essential Oil
Botanical Name	<i>Foeniculum vulgare</i> var. <i>dulce</i>
CAS Number	8006-84-6
EC Number	282-892-3
Principal Constituents	trans-Anethole, Fenchone, Estragole, Limonene (naturally occurring)

SECTION 4 – FIRST AID MEASURES

Inhalation: Move to fresh air. Seek medical advice if symptoms persist.



Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion: Rinse mouth. Do not induce vomiting. Obtain medical attention immediately.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water fog

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and irritating organic fumes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Provide adequate ventilation.

Avoid breathing vapours.

Prevent release into drains and waterways.

Absorb with sand, vermiculite or other inert absorbent material and dispose of in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE

Handle using good industrial hygiene practices.

Avoid prolonged contact with skin and eyes.

Store tightly closed in original containers.



Keep away from heat, sparks, flames and oxidising materials.

Recommended Storage Temperature: 15–25 °C

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Chemical safety goggles
 - Nitrile gloves
 - Protective clothing
 - Local exhaust ventilation where necessary
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical Specification
Appearance	Clear, mobile liquid
Colour	Colourless to pale yellow
Odour	Sweet, anise-like, herbaceous
Relative Density (20 °C)	0.930–0.960
Refractive Index (20 °C)	1.500–1.553
Optical Rotation	+5° to +25°
Flash Point	Approximately 68 °C
Boiling Point	Approximately 212 °C
Solubility	Insoluble in water; soluble in alcohol and fixed oils

SECTION 10 – STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Heat
- Direct sunlight
- Strong oxidising agents
- Open flames

Hazardous decomposition products include carbon monoxide and carbon dioxide.



SECTION 11 – TOXICOLOGICAL INFORMATION

May cause skin sensitisation in susceptible individuals.

May cause skin and eye irritation.

Avoid prolonged or repeated exposure.

SECTION 12 – ECOLOGICAL INFORMATION

Avoid uncontrolled release into the environment.

Prevent contamination of drains, waterways and soil.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of unused material and contaminated packaging through an authorised waste disposal contractor in accordance with local regulations.

SECTION 14 – TRANSPORT INFORMATION

Regulation	Status
UN Number	Not Regulated (bulk transport may be subject to local requirements)
ADR/RID	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

SECTION 15 – REGULATORY INFORMATION

Prepared in accordance with:

- GHS Revision 9
- OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EU) 2020/878

SECTION 16 – OTHER INFORMATION

Fennel Essential Oil (Australia) is steam distilled from the seeds of *Foeniculum vulgare* var. *dulce*. Rich in naturally occurring trans-anethole and fenchone, it provides a sweet, warm, herbaceous and anise-like aroma widely used in fine fragrance, fougère, aromatic, herbal and spice accords. It blends exceptionally well with lavender, clary sage, basil, coriander, citrus oils, cardamom, cinnamon and woody notes. The Australian origin offers consistent quality suitable for professional perfumery and fragrance applications.

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Prepared and Authorised By:

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