

**TECHNICAL DATA SHEET**  
**SWEET FENNEL ESSENTIAL OIL**

Effective date: 10.2024

**INFORMATION ON SUBSTANCE / MIXTURE**

INCI Name	Foeniculum Vulgare Dulce Seed Oil
Manufacturing process	Natural product obtained by steam distillation of the seeds.
Raw material category	Ingredient for cosmetics, personal care, aromatherapy

**TECHNICAL DATA**

**Physical parameters**

Appearance	Liquid at room temperature, crystallization may appear
Color	Colorless, pale yellow
Odor	Aniseed, earthy
Relative density (d <sub>20</sub> /20)	[0.944 ; 0.973]
Refractive index at 20°C	[1.514 ; 1.543]
Optical rotation at 20°C	[11 ; 29 °]
Peroxide value	<20 mmol/L
Flash point	63°C

**Biological parameters**

Total aerobic microbial count	< 1000 cfu/ g
Total yeast and mould count	< 100 cfu/g
Pathogens (Escherichia coli, Candida albicans, Pseudomonas aeruginosa, Staphylococcus aureus)	Absent/1g

**TRANSPORT, STORAGE and SHELF LIFE**

Storage conditions	Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container.
Shelf Life	Min 36 months at the recommended storage conditions.

**LEGISLATION, STATEMENTS**

CAS No.	84455-29-8
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BSE/TSE	Produced in the absence of any animal derived material of any type. No contamination with BSE/ TSE Bovine Spongiform Encephalopathy risk materials is to be expected.
GMO status	Product does not come from plants being or having been submitted to a program of genetic modification.
Nanomaterial statement	Not expected to contain any nanomaterial meaning an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm, as defined in Regulation (EC) No 1223/2009 on cosmetic products and the Commission Recommendation 2011/696/EU.
Microplastics	The product does not contain any Microplastic according to Annex XVII to REGULATION (EC) No 1907/2006 Of The European Parliament And Of The Council and its amendments.
Irradiation	This product has not been subjected to irradiation.
Gluten- Status	Not expected to contain gluten. The product can be considered as gluten-free as it does not contain ingredients derived from grain (e.g. wheat, rye or barley) or does not contain detectable levels of gluten.
Other Free from status	Dioxin, Formaldehyde, Phthalates
Animal testing	This product has not been the subject of animal testing for cosmetic purposes according to EC Regulation 1223/2009
Information for Vegan Assessment	Vegan and Vegetarian suitable. Manufacture does not involve the use of any animal product, by-product or ingredient. This product meets Vegan requirements, but it is not certified.

## LABELING

Hazard pictograms	
Hazard statements	<p>H304 - May be fatal if swallowed and enters airways.  H315 - Causes skin irritation.  H317 - May cause an allergic skin reaction.  H341 - Suspected of causing genetic defects.  H351 - Suspected of causing cancer.  H411 - Toxic to aquatic life with long lasting effects</p>
Precautionary statements	<p>P201: Obtain special instructions before use.  P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  P264: Wash ... thoroughly after handling.  P280: Wear protective gloves/protective clothing/eye protection/face</p>

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	protection. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P308+P313: IF exposed or concerned: Get medical advice/attention. P333+P313: IF SKIN irritation or rash occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse. P391: Collect spillage.
European Union specific hazard statements	None

**DISCLAIMER**

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.