

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : April 21, 2022

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Fennel Organic Essential Oil
Botanical name	:	Foeniculum vulgare
INCI name	:	Foeniculum Vulgare Oil
CAS #	:	8006-84-6
Country of Origin	:	Hungary
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable liquids - Category 4

Aspiration Toxicity - Category 1

Skin sensitization - Category 1

Germ cell mutagenicity - Category 2

Carcinogenicity - Category 2

Hazardous to the aquatic environment, long-term hazard - Category 2

GHS Label elements, including precautionary statements

Signal: Danger

Hazard statement(s)

H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
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.

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water/
P308+P313	If exposed: Call a POISON CENTER or doctor/physician.
P321	Specific treatment (see section 4 on this label).
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use appropriate fire extinguisher to extinguish.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.

Other Info

The substance does not meet persistent (P), bio-accumulation (B) and toxicity (T) criteria. The product is not PBT pr vPvB.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
trans-Anethole	4180-23-8	224-052- 0	70 - 80 %
Limonene	5989-27-5	227-813-5	3 - 8 %
alpha-Pinene	80-56-8	201-291-9	1 - 7 %
Methyl chavicol	140-67-0	205-427-8	≤ 6 %
p-Cymene	99-87-6	202-796-7	1.5 %

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek immediate medical attention or contact local poison control center. Rinse mouth. Do NOT induce vomiting - danger of aspiration.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide, Powder, Aqueous extinguishing media.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Ensure adequate ventilation/exhaust extraction. Wear personal protective equipment. Avoid contact with skin and inhalation of its vapours or smoke.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Terminate and take up spills with absorbent material (sand, kieselguhr, universal binder, etc.) or with pumping. Containers in which split substances has been collected must be adequately labelled. Dispose of absorbed material in accordance with the regulations preferable with burning.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Not for ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pale yellow to yellow liquid.
Odor	:	Characteristic odor.
Flash point	:	62°C
Relative density	:	0.953 to 0.973 @ 20 °C
Solubility (ies)	:	Insoluble in water.

Refractive index : 1.532 to 1.543 @ 20 °C
Optical rotation : +12° to +24° @ 20 °C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Chronic toxicity

May cause allergic reactions on skin.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

Ingestion

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

Persistence and degradability

This product is biodegradable.

Bio - accumulative potential

Not data available.

Mobility in soil

Not data available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number

3082

UN proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Fennel oil)

Transport hazard class

9

Packing group

III

US DOT Shipping Description (Land)

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Fennel oil)

Class

9

Packaging group

III

IMO-IMDG Shipping Description (Sea)

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Fennel oil)

Class

9

Packaging group

III

IATA Shipping Description (Air)

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Fennel oil)

Class

9

Packaging group

III

15. REGULATORY INFORMATION

California Proposition 65

• This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

• This product can expose you to Estragole, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

Revision date : April 21,2022

Disclaimer & Caution

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