

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Tarragon Essential Oil
Botanical name	:	Artemisia dracunculus L.
INCI name	:	Artemisia Dracunculus Oil
CAS #	:	90131-45-6 / 8016-88-4
Country of Origin	:	Hungary
EINECS #	:	290-356-5
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

Acute Toxicity, Oral - Category 4

Aspiration hazard - Category 1

Skin corrosion/irritation - Category 2

Skin sensitization - Category 1

Eye irritation - Category 2

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.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
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/
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.
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. Remove contact lenses if present and easy to do – continue rinsing.
P308+P313	If exposed: Call a POISON CENTER or doctor/physician.
P321	Specific treatment (see section 4 & section 8 on this label).
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Estragole	140-67-0	205-427- 8	30 - 100 %
Trans ocymene	3338-55-4	222-081- 3	3 - 10 %
Cis ocymene	3338-55-4	222-081- 3	3 - 10 %

D-Limonene	5989-27-5	227-813-5	3 - 10 %
Alpha-pinene	80-56-8	201-291-9	< = 1 %
Eugenol	97-53-0	202-589-1	< = 0.5 %
Methly eugenol	93-15-2	202-223-0	< = 1 %
Linalool	78-70-6	201-134-4	< = 0.1 %

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 medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Sand, dry powder, carbon dioxide.

Unsuitable extinguishing media

Water and water with full jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Wear protective equipment. Keep unprotected persons away.

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

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Avoid formation of aerosols. Smoking, eating and drinking should be prohibited in application area. Avoid contact with skin and eyes. For personal protection see section 8. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Keep receptacle tightly sealed. Keep out of the reach of children. Keep container tightly closed, protected from light and potential sources of ignition. Store separated from foodstuffs or animal food. Store in a cool and well-ventilated place. Recommended storage conditions 18-25 Celsius.

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	:	Colorless to pale yellow clear liquid
Odor	:	Sweet, herbal, anise like odor.
Initial b.p and boiling range	:	203 °C
Flash point	:	63 °C
Relative density	:	0.914 - 0.956
Solubility (ies)	:	Immiscible in water. 1:1 on 90% alcohol/
Refractive index	:	1.504 - 1.520
Optical rotation	:	1.5 - +6.5

10. STABILITY AND REACTIVITY

Chemical stability

Stable under normal conditions.

Conditions to avoid

Heat sources.

Hazardous decomposition products

No decomposition if used according to specifications.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 (oral) - rat - > 2500 mg/kg LD50 (skin) - rabbit - > 5000 mg/kg The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea, vomiting.

Carcinogenicity

Use in dilution. Estragole (methyl chavicol) is known to be carcinogenic and genotoxic, as reported by the European Union. Thus tarragon oil should be avoided during pregnancy.

Respiratory or skin sensitization

Skin sensitizer.

Skin contact

Skin irritant.

Eye contact

Avoid contact with eyes, rinse immediately. May irritate eyes

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Persistence and degradability

Biodegradable.

Bio - accumulative potential

potential.

Mobility in soil

Not 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 ((R)-pmentha-1,8-diene)

Transport hazard class

9

Packing group

III

US DOT Shipping Description (Land)

3082

Proper shipping name

Environmentally Hazardous Substance, Liquid, N.O.S ((R)-pmentha-1,8-diene)

Class

9

Packaging group

III

IMO-IMDG Shipping Description (Sea)

3082

Proper shipping name

Environmentally Hazardous Substance, Liquid, N.O.S ((R)-pmentha-1,8-diene)

Class

9

Packaging group

III

IMO-IMDG code

3082

IMDG-Marine pollution

Yes.

IATA Shipping Description (Air)

3082

Proper shipping name

Environmentally Hazardous Substance, Liquid, N.O.S ((R)-pmentha-1,8-diene)

Class

9

Packaging group

III

Emergency action in case of accident

Notify police and fire department immediately

15. REGULATORY INFORMATION

California Proposition 65

Contains substance identified in the revised list of the California Safe Cosmetic program SB 484 (included Proposition 65 revised list): -Contains Methyl Chavicol.

GHS Hazard Statements

Refer to Section 2.

GHS Precautionary Statements

Refer to Section 2.

16. OTHER INFORMATION

Revision date : August 31, 2018

Disclaimer & Caution

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