



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: Carrot Seed Essential Oil

Botanical Name: *Daucus carota* L.

INCI Name: Daucus Carota Sativa Seed Oil

CAS Number: 8015-88-1

EC Number: 284-545-1

Product Type: Natural Essential Oil

Plant Part: Seeds

Extraction Method: Steam Distillation

Origin: India / France

Grade: Premium Perfumery Grade

Recommended Use: Professional perfumery, cosmetic and fragrance raw material.

Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

SECTION 2 – HAZARD IDENTIFICATION

GHS Classification

- Skin Irritation – Category 2
- Skin Sensitisation – Category 1
- Eye Irritation – Category 2A
- Aspiration Hazard – Category 1
- Hazardous to the Aquatic Environment (Chronic) – Category 2

Signal Word

Danger



Hazard Statements

- 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.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P261 Avoid breathing vapours.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or physician.
- P331 Do not induce vomiting.
- P302+P352 IF ON SKIN: Wash thoroughly with soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P391 Collect spillage.
- P501 Dispose of contents/container according to local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Product	Carrot Seed Essential Oil
Botanical Name	<i>Daucus carota</i> L.
INCI Name	Daucus Carota Sativa Seed Oil
CAS Number	8015-88-1
EC Number	284-545-1
Purity	100% Natural Essential Oil

Typical Naturally Occurring Constituents

- Carotol
- Daucol
- β -Bisabolene
- α -Pinene
- Sabinene
- Geranyl Acetate
- Limonene
- Myrcene



- Caryophyllene
 - Sesquiterpene alcohols
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SECTION 4 – FIRST AID MEASURES

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

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

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 immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

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

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and irritating organic vapours.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear suitable personal protective equipment.

Prevent release into drains and waterways.

Absorb with inert absorbent material and place into suitable waste containers.

SECTION 7 – HANDLING AND STORAGE



Use only in well-ventilated areas.

Avoid contact with skin and eyes.

Store tightly closed away from heat, direct sunlight and oxidising agents.

Recommended Storage Temperature: 5–20 °C

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Chemical safety goggles
- Nitrile gloves
- Protective clothing
- Local exhaust ventilation

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear mobile liquid
Colour	Yellow to Amber
Odour	Dry, earthy, woody, rooty, herbaceous, slightly spicy
Relative Density (20 °C)	0.910–0.950
Refractive Index (20 °C)	1.480–1.505
Optical Rotation	-30° to +20°
Flash Point	>75 °C
Solubility in Water	Insoluble
Solubility	Soluble in ethanol and perfumery solvents

SECTION 10 – STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Strong oxidising agents
- Excessive heat
- Open flames
- Direct sunlight



- Prolonged exposure to air

Hazardous decomposition products include carbon monoxide and carbon dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

May be fatal if swallowed and enters airways.

May cause skin irritation and allergic skin reactions.

May cause serious eye irritation.

Contains naturally occurring terpenes and sesquiterpene alcohols that may oxidise during storage and increase sensitisation potential.

SECTION 12 – ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long lasting effects.

Avoid uncontrolled release into the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of contents and containers through an authorised waste contractor in accordance with applicable local regulations.

SECTION 14 – TRANSPORT INFORMATION

Regulation	Status
UN Number	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Carrot Seed Oil)
ADR/RID	Class 9
IMDG	Class 9
IATA	Class 9



Packing Group III

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 (EU) 2020/878
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SECTION 16 – OTHER INFORMATION

Carrot Seed Essential Oil is obtained by steam distillation of the seeds of *Daucus carota*. It has a dry, earthy, rooty, woody and herbaceous aroma with subtle spicy and hay-like nuances. It is used in fine fragrance, natural perfumery, skincare accords, chypre, fougère, herbal, woody and earthy compositions.

Document Version: 1.0

Issue Date: 05 July 2026

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