



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: Cumin Seed Essential Oil

Alternative Names: Cumin Oil, Cumin Seed Oil

Botanical Name: *Cuminum cyminum* L.

INCI Name: Cuminum Cyminum Seed Oil

EU CAS Number: 8014-13-9

Alternative CAS Number: 84775-51-9

EC Number: 283-881-6

Product Type: Natural Essential Oil

Plant Part: Seeds (Fruits)

Extraction Method: Steam Distillation

Origin: India

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

- Aspiration Hazard – Category 1
- Skin Irritation – Category 2
- Skin Sensitisation – Category 1
- Eye Irritation – Category 2A
- 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	Cumin Seed Essential Oil
Botanical Name	<i>Cuminum cyminum</i> L.
INCI Name	Cuminum Cyminum Seed Oil
EU CAS Number	8014-13-9
Alternative CAS Number	84775-51-9
EC Number	283-881-6
Purity	100% Natural Essential Oil

Typical Naturally Occurring Constituents

- Cuminaldehyde
- γ -Terpinene
- p-Cymene
- β -Pinene
- α -Pinene



- β -Myrcene
 - Limonene
 - Safranal
 - Terpinen-4-ol
 - β -Caryophyllene
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SECTION 4 – FIRST AID MEASURES

Inhalation: Remove exposed person to fresh air. Seek medical attention if symptoms persist.

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

Eye Contact: Flush immediately 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 appropriate protective equipment.

Prevent entry into drains and waterways.

Absorb using inert absorbent material and transfer to suitable disposal containers.



SECTION 7 – HANDLING AND STORAGE

Handle only in well-ventilated areas.

Avoid contact with skin and eyes.

Store tightly closed in original containers.

Protect from direct sunlight, excessive heat 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
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear mobile liquid
Colour	Pale Yellow to Amber
Odour	Powerful spicy, warm, cumin, earthy, slightly fatty
Relative Density (20 °C)	0.900–0.930
Refractive Index (20 °C)	1.495–1.510
Optical Rotation	+5° to +20°
Flash Point	Approximately 70 °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.

Causes skin irritation.

May cause allergic skin reactions.

Causes eye irritation.

Contains naturally occurring aldehydes and terpene hydrocarbons that may increase sensitisation potential in susceptible individuals.

SECTION 12 – ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long lasting effects.

Prevent uncontrolled release into the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

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

SECTION 14 – TRANSPORT INFORMATION



Regulation	Status
UN Number	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Contains Cumin Seed Essential 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

Cumin Seed Essential Oil is obtained by steam distillation of the dried fruits (commonly referred to as seeds) of *Cuminum cyminum*. It possesses an intense warm, spicy, earthy and aromatic profile dominated by cuminaldehyde, making it an important ingredient in spice accords, oriental fragrances, leather accords and natural perfumery. Due to its high impact, it is generally used at low concentrations to provide warmth, realism and complexity to fragrance compositions.

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