



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 Identifier

Product Name: Star Anise Essential Oil

Common Name: Star Anise Oil

Botanical Name: *Illicium verum* Hook. f.

INCI Name: *Illicium Verum* Fruit Oil

CAS Number: 8000-34-8

EC Number: 289-518-6

Product Type: Essential Oil

Extraction Method: Steam Distillation

Recommended Use

Perfumery raw material intended for fragrance creation, cosmetic manufacture, aromatics, and flavour applications.

Professional use only.

Supplier

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Email: info@aromology.com
Website: www.aromology.com



SECTION 2: Hazard Identification

Classification (GHS)

Based on available information for Star Anise Essential Oil, this product is classified as:

- Flammable Liquid – Category 3
- 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 Pictograms

- GHS02 – Flame
- GHS07 – Exclamation Mark
- GHS08 – Health Hazard
- GHS09 – Environment

Hazard Statements

- **H226** Flammable liquid and vapour.
- **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

- **P210** Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- **P261** Avoid breathing vapours or mist.
- **P273** Avoid release to the environment.



- **P280** Wear protective gloves, protective clothing 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 with plenty of soap and water.
 - **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes.
 - **P333+P313** If skin irritation or rash occurs: Get medical advice/attention.
 - **P501** Dispose of contents/container in accordance with local regulations.
-

SECTION 3: Composition / Information on Ingredients

Component	CAS No.	Concentration
Star Anise Essential Oil (<i>Illicium verum</i>)	8000-34-8	100%

Major Naturally Occurring Constituents: trans-Anethole, Estragole (Methyl Chavicol), Limonene, Linalool (trace)

SECTION 4: First Aid Measures

Inhalation

Move the affected person to fresh air.

Keep warm and at rest.

Seek medical attention if symptoms persist.

Skin Contact

Remove contaminated clothing.

Wash thoroughly with soap and water.

Seek medical attention if irritation or sensitisation develops.

Eye Contact

Immediately rinse cautiously with water for at least 15 minutes.

Remove contact lenses if present.

Seek medical attention if irritation persists.



Ingestion

Rinse mouth.

Do not induce vomiting.

Immediately seek medical attention due to aspiration hazard.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Protective Equipment

Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: Accidental Release Measures

Wear suitable personal protective equipment.

Remove all ignition sources.

Prevent entry into drains and waterways.

Absorb with inert material such as sand, vermiculite or diatomaceous earth.



Transfer to suitable waste containers.

Clean contaminated area thoroughly.

SECTION 7: Handling and Storage

Handling

- Avoid contact with skin and eyes.
- Avoid inhalation of vapours.
- Use only in well-ventilated areas.
- Follow good industrial hygiene practices.

Storage

Store in tightly closed original containers.

Keep in a cool, dry and well-ventilated area.

Protect from heat, moisture and direct sunlight.

Keep away from strong oxidising agents.

Recommended storage temperature: 15–25°C

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation.

Personal Protective Equipment

Eye Protection

Chemical safety goggles.

Hand Protection

Chemical-resistant nitrile gloves.



Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

Body Protection

Protective clothing.

SECTION 9: Physical and Chemical Properties

Property	Specification
Appearance	Colourless to pale yellow liquid
Odour	Sweet, warm, spicy, liquorice-like, characteristic anise
Physical State	Liquid
Relative Density (20 °C)	0.975–0.990
Refractive Index (20 °C)	1.5500–1.5600
Optical Rotation	-2° to +2°
Flash Point	90–100 °C
Solubility	Insoluble in water
Solubility in Ethanol	Soluble

SECTION 10: Stability and Reactivity

Reactivity

No hazardous reactions expected under recommended conditions.

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid

- Excessive heat
- Flames
- UV light
- Strong oxidising agents

Hazardous Decomposition Products



Carbon monoxide, carbon dioxide and irritating organic fumes.

SECTION 11: Toxicological Information

Based on available information:

- Causes skin irritation.
 - May cause allergic skin reactions.
 - Causes serious eye irritation.
 - Aspiration hazard if swallowed.
 - No known carcinogenic, mutagenic or reproductive effects under intended conditions of use.
-

SECTION 12: Ecological Information

Toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled release into the environment.

Expected to be biodegradable.

SECTION 13: Disposal Considerations

Dispose of contents and containers according to applicable local, regional and national regulations.

Do not release into drains or waterways.

SECTION 14: Transport Information

Item	Information
UN Number	UN1169
Proper Shipping Name	Extracts, Aromatic, Liquid
Transport Hazard Class	3
Packing Group	III



Item	Information
Marine Pollutant	Yes

SECTION 15: Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
 - REACH Regulation (EC) No. 1907/2006
 - CLP Regulation (EC) No. 1272/2008
-

SECTION 16: Other Information

Star Anise Essential Oil is obtained by steam distillation of the dried fruits of *Illicium verum*. Rich in naturally occurring trans-anethole, it possesses a characteristic sweet, warm, spicy, liquorice-like aroma and is widely used in fine fragrance, flavour, cosmetic, and aromatherapy applications. Appropriate industrial hygiene practices and suitable personal protective equipment should be observed during handling.

The information contained in this Safety Data Sheet is believed to be accurate at the date of issue and is intended solely as guidance for the safe handling, storage, transport, and use of this material. It does not constitute a warranty regarding product performance or suitability for any particular application.

Authorised By:
Fozia Khot
Director

