



AUSTRALIA NATURAL PRODUCTS

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(In Accordance with Regulation (EU) No. 1907/2006 and OSHA (US) 29 CFR 1910.1200 and 49 CFR) Product: Star Anise Oil

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier:

Product name: Star Anise Oil

Chemical name / Botanical name: Illicium verum (Star Anise) Fruit Oil

CAS: 8007-70-3

EC Number: 283-871-8

EC REACH Registration number: -

Index No / Inventory Num.: -

1.2 Usage:

This product is intended for use as an ingredient in the manufacturing of mixtures, including fragrance, flavorings, aromatherapy, and related industrial applications. Strongly discouraged: Not intended for direct ingestion. Avoid use by the general public except where appropriately formulated and labelled.

1.3 Details of the supplier:

Australia Natural Products

19 First Avenue, Rodd Point, NSW 2046, Australia

Email: info@australianatural.com.au

Tel: +61 452 101 623

1.4 24 Hour Emergency telephone number:

National Poisons Information Centre: 13 11 26 (Australia)

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

- Flammable liquid, Hazard Category 3

- Aspiration hazard, Hazard Category 1
- Skin corrosion/irritation, Hazard Category 2
- Skin sensitization, Hazard Category 1
- Skin sensitization, Sub-category 1B (or general Category 1)
- Hazardous to the aquatic environment — long-term hazard, Category 2

2.2 Label Elements

EC Number: 283-871-8

Star Anise Oil

Signal word: Danger

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

Precautionary Statements:

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261: Avoid breathing vapours.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331: Do NOT induce vomiting.
- P302+P352: IF ON SKIN: Wash with plenty of water.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P391: Collect spillage.
- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P501: Dispose of contents/container in accordance with local regulations.

2.3 Other Hazards:

No additional hazards identified from the information available.

Section 3: Composition/Information on Ingredients

3.1 Substances

Concentration range of the constituent (% weight/weight)	EC Number / Registration Number	CAS number	Chemical Name
100%	283-871-8	8007-70-3	Illicium verum (Star Anise) Fruit Oil (Rich in trans-anethole)

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Consumption: If swallowed, rinse mouth with water. Do NOT induce vomiting. Immediately seek medical attention and show this SDS.

Eye contact: Rinse cautiously with plenty of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Inhalation: Remove person to fresh air and keep at rest. Seek medical attention if symptoms persist.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with plenty of water and soap. Seek medical attention if irritation or rash occurs.

4.2 Most important symptoms and effects, both acute and delayed:

Skin irritation and allergic skin reaction may occur. Ingestion presents an aspiration hazard; material entering the airways may cause serious injury.

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically. No specific antidote known.

Section 5: Fire Fighting Measures

5.1 Extinguishing media:

Recommended: Foam, dry powder or carbon dioxide. Water spray may be used for cooling. Do not use a full water jet directly on the burning product.

5.2 Special hazards arising from the substance or mixture:

Flammable liquid and vapour. Vapours may form explosive mixtures with air and may travel to an ignition source.

5.3 Advice for firefighters:

Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapours. Use appropriate respiratory protection and protective equipment. Prevent fire-fighting run-off from entering drains or water courses.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Eliminate all sources of ignition. Do NOT smoke. Avoid breathing vapours and contact with skin and eyes. Wear appropriate gloves and eye protection. Ensure adequate ventilation.

6.2 Environmental precautions:

Avoid release to soil, sewers, drains and watercourses.

6.3 Methods and material for containment and cleaning up:

Contain the spill. Absorb with inert, non-combustible material such as dry sand, earth or vermiculite. Collect into suitable labelled containers for disposal. Ventilate the area and wash the spill site after material pickup is complete.

6.4 Reference to other sections: See Sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, flames and other ignition sources. No smoking. Avoid contact with skin and eyes and avoid breathing vapours. Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities:

Keep the product in the original container, tightly sealed, in a cool, dry and well-ventilated area, protected from light and heat. Store away from ignition sources and incompatible materials.

7.3 Specific end use(s): Not available beyond the identified uses.

Section 8: Exposure controls/personal protection

8.1 Control parameters

No specific occupational exposure limit has been established for the product as a whole. Control exposure to vapours and maintain good ventilation.

8.2 Exposure controls

Engineering Controls-Ventilation: Areas where the product is handled and stored should be adequately ventilated.

Respiratory Protection: Use suitable respiratory protection where ventilation is inadequate or when vapour concentrations may be elevated.

Skin Protection: Avoid skin contact. Compatible chemical-resistant gloves are recommended.

Eye/Face protection: Chemical safety goggles or safety glasses with side shields are recommended.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Liquid (Note: May crystallize at lower ambient temperatures due to high trans-anethole content)

Color: Clear, pale yellow to colorless

Odor: Characteristic sweet, spicy, licorice-like (aniseed) odor

Boiling Point: Not determined

Relative density: 0.978 – 0.992 g/cm³ at 20 °C

Refractive index: 1.552 – 1.559 at 20 °C

Flash Point: Approximately 75–80 °C (closed cup)

Solubility in water: Insoluble

Section 10: Stability and reactivity

10.1 Reactivity: No significant reactivity hazards under normal conditions.

10.2 Chemical stability: Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions: No hazardous polymerization expected under normal conditions.

10.4 Conditions to avoid: Heat, flames, sparks, direct sunlight and other sources of ignition.

10.5 Incompatible materials: Strong oxidizing agents, strong acids and strong alkalis.

10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide and other unidentified organic compounds may be formed during combustion.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Available information does not indicate that the product meets the criteria for acute toxicity classification.

Skin corrosion/irritation: This substance meets the criteria for classification as Skin Irritation Category 2.

Serious eye damage/irritation: Eye irritation may occur. Classification may depend on the applicable regulatory dataset and composition.

Respiratory or skin sensitization: This substance meets the criteria for classification as Skin Sensitization Category 1.

Germ cell mutagenicity: No data indicating classification available.

Carcinogenicity: No data indicating classification available.

Reproductive toxicity: No data indicating classification available.

STOT-single exposure: No data indicating classification available.

STOT-repeated exposure: No data indicating classification available.

Aspiration toxicity: This substance meets the criteria for Aspiration Hazard Category 1.

Section 12: Ecological information

12.1 Acute aquatic toxicity: Data not determined for the complete product.

12.2 Persistence and degradability: Data not available.

12.3 Bioconcentration Factor: Data not determined.

12.4 Mobility in soil: Data not available.

12.5 Results of PBT and vPvB assessment: Not determined.

12.6 Other adverse effects: Toxic to aquatic life with long lasting effects. Do not allow the material to enter streams, sewers or other waterways.

Section 13: Disposal considerations

13.1 Waste treatment methods

Container disposal: Dispose of containers and residues in accordance with applicable local, state and national regulations. Do not reuse contaminated containers.

Disposal conditions: Avoid disposal to drainage systems or the environment. Dispose of contents/container through an approved waste-disposal facility.

Section 14: Transport information

14.1 International Carriage of Dangerous Goods by Road (ADR)

UN No.: UN3082 (Environmentally hazardous substance, liquid, n.o.s.) or UN1993 depending on exact flashpoint specs; typically classified under UN3082 for environmental hazard.

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Star Anise Oil)

Packing Group: III

Class: 9

Label: 9

14.2 Sea Transport (IMDG)

UN No.: UN3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Star Anise Oil)

Packing Group: III

Class: 9

Marine Pollutant: Yes

EmS: F-A, S-F

Label: 9

14.3 Air Transport (ICAO/IATA)

UN No.: UN3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Star Anise Oil)

Packing Group: III

Class: 9

Label: 9

Section 15: Regulatory information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture:

Prepared with reference to Regulation (EC) No 1272/2008 (CLP), Regulation (EC) No 1907/2006 (REACH), OSHA 29 CFR 1910.1200 and applicable 49 CFR requirements.

15.2 Chemical safety assessment: Not available.

Section 16: Other information

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
2. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
3. Occupational Safety and Health Administration (US), 29 CFR 1910.1200, Hazard Communication Standard.
4. 49 CFR, Hazardous Materials Regulations.
5. Publicly available supplier SDS data for Star Anise Oil (*Illicium verum*), including classification and physical-property references.

Disclaimer: Information in this SDS is based on available published sources and is believed to be accurate. No warranty, express or implied, is made and the

company assumes no liability resulting from the use of this SDS. Each user of this material needs to evaluate the conditions of use and design appropriate protective measures to prevent employee exposure, property damage or release to the environment and must determine the suitability of this information for the intended application.

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End of Safety Data Sheet