

MATERIAL SAFETY DATA SHEET

1 – PRODUCT IDENTIFICATION

Product Name: Star Anise Oil

CAS: 68952-43-2

Supplier: Yunnan Summit Biotechnology Co., Ltd

Address: Shuangbai County Industrial Park, Shuangbai County Chuxiong State, Yunnan Province, P.R.China

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2– HAZARDS IDENTIFICATION

2.1 GHS Classification

Skin sensitization(Category 1), H317

Germ cell mutagenicity(Category 2), H341

Carcinogenicity(Category 2), H351

Aquatic Chronic(Category 3), H412

2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal word	Warming
Hazard statement	H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H412 Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	P261 Avoid breathing vapours/spray. 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. P203 Obtain, read and follow all safety instructions before use. P302+P352 IF ON SKIN: Wash with plenty of water. P333+P317 If skin irritation or rash occurs: Get medical help. P362+P364 Take off contaminated clothing and wash it before reuse. P318 IF exposed or concerned, get medical advice. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified(HNOC) or not covered by GHS



No data available

3 – COMPOSITION

Component	CAS	Trans-Anethole(%)
Star Anise Oil	68952-43-2	≥87%

4– FIRST AID MEASURES

In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation: Remove to fresh air immediately. If breathing is difficult, seek medical advice.

In case of skin contact: Wash off with plenty of water.

In case of eyes contact: Flush with plenty of water for at least 15 minutes.

In case of ingestion: Wash out mouth with water provided person is conscious. Seek medical advice.

Most important symptoms and effects, both acute and delayed: May cause an allergic skin reaction.

Suspected of causing genetic defects. Suspected of causing cancer.

Indication of any immediate medical attention and special treatment needed: If skin irritation or rash occurs, get medical advice/attention.

5– FIREFIGHTING MEASURES

Suitable extinguishing media: Water spray, dry powder, carbon dioxide or foam. Containers close to the fire should be removed or cooled with water.

Special hazards arising from the substance or mixture: In case of fire, the product may emit toxic and/or irritating fumes: CO, CO₂.

Special fire fighting methods and special protective actions for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Provide adequate ventilation. Wear approved respirator and chemically compatible gloves. Refer to section 8 of SDS for personal protection details.

For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if vapor is generated.

6.2 Environmental precautions: Prevent flow to sewers/public waters without previous treatment.

Methods for Containment and Cleaning up: Collect spilled material by absorption with vacuum cleaner. Avoid vapor. Place spillage in appropriate container for waste disposal. Ventilate area and wash spill site.

7 – HANDLING AND STORAGE

Precautions for safe handling:

Protective measures: Avoid contact with eyes, skin or clothing. Avoid breathing vapor. Wear fresh clothing daily. Do not permit eating, drinking or smoking near material.

Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after



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use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

8 -PERSONAL PROTECTION

Control parameters: Occupational exposure limits: Not available.

Additional exposure limits under the conditions of use: Not available.

DNEL/DMEL and PNEC-Values: Not available.

Exposure controls: Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment: Eye/face protection: If risk of splashing, wear safety goggles or face shield.

Hand protection: Protective gloves should be used if there is a risk of direct contact or splash.

Body protection: Protective clothing.

Respiratory protection: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Thermal hazards: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colourless or pale yellow liquid.

Odour: Anise odour.

Specific gravity: 0.975~0.992 (20 °C).

Refractive index: 1.5525~1.5600 (20 °C).

Flash point(Closed Cup): 90 °C

10 - STABILITY AND REACTIVITY

Reactivity: The substance is stable under normal storage and handling conditions.

Chemical stability: Stable under normal temperature conditions.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: Incompatible materials.

Incompatible materials: Strong oxidizing substances. Strong acids. Strong Alkalies.

Hazardous decomposition products: Emits fumes under fire conditions. CO, CO₂.

11 – TOXICOLOGICAL INFORMATION

Acute toxicity: LD50: No data available

LC50: No data available

Ecotoxicity: Not available.

BOD₅ and COD: Not available.



12 - ECOLOGICAL INFORMATION

No data available

13 - DISPOSAL CONSIDERATIONS

Waste treatment methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Product / Packaging disposal: If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

14 – TRANSPORTATION INFORMATION

UN-No: /

Proper Shipping Name: Not dangerous goods

Hazard Class: /

Packing group: /

Environmental Hazards: /

15 – REGULATORY INFORMATION

Whether the product is listed in "China Inventory of Existing Chemical Substances" (2013 Edition): Not included

16 - OTHER INFORMATION

Updated date: 2025-08-31

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