



Artisan Aromatics
1708 Lena Street, #103
Santa Fe, NM 87505
(505) 231-9439

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Star Anise Oil, China IIIVer1

Version: 2

1. IDENTIFICATION

Product Identifier

Product identifier: Star Anise Oil, China; CAS: 84650-59-9

Other identifiers: Star Anise Oil, China IIIVer1 Illicium verum

Recommended use of the chemical and restrictions on use

Product uses: Essential Oil

Supplier Details

Company name: Artisan Aromatics

Company address: 1708 Lena Street, #103
Santa Fe, NM 87505

Contact: Stephanie Ariel
hello@artisanaromatics.com

E-Mail address:

Company phone: 505 231-9439

Emergency telephone number

Emergency phone: ChemTel: 1-800-255-3924 (Domestic)

2. HAZARD IDENTIFICATION

Classification

This product is classified under 29CFR 1910.1200(d) as follows:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Class and category of danger: Flammable Liquid, Hazard Category 4
Sensitization - Skin Category 1

Germ Cell Mutagenicity Category 2

Carcinogenicity Category 2

Signal word: Warning

Hazard statements: Combustible liquid.
May cause an allergic skin reaction.
Suspected of causing genetic defects (exposure route).
Suspected of causing cancer (exposure route).

M factor: None

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Pictograms:



Precautionary statements:

Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
Avoid breathing vapour or dust.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to approved disposal site, in accordance with local regulations.

Hazards not otherwise classified (HNOC) None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Product identifier: Star Anise Oil, China; CAS: 84650-59-9

Contains:

Name	CAS	%	GHS Classification
trans-Anethole	4180-23-8	50-100%	Skin Sens. 1B;H317
Estragole	140-67-0	1-<5%	Flam. Liq. 4-Acute Tox. 4-Skin Sens. 1B-Muta. 2-Carc. 2;H227-H302-H317-H341-H351
Linalool	78-70-6	1-<5%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
beta-Caryophyllene	87-44-5	0.1-<1%	Skin Sens. 1B-Asp. Tox 1;H304-H317
alpha-Pinene	80-56-8	0.1-<1%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H302-H304-H315-H317
d-Limonene	5989-27-5	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
cis-Anethole	25679-28-1	0.1-<1%	Skin Sens. 1B;H317
Eucalyptol	470-82-6	0.1-<1%	Flam. Liq. 3-Skin Sens. 1B;H226-H317
delta-3-Carene	13466-78-9	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1-Asp. Tox 1;H226-H304-H315-H317



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The exact percentage concentrations of components are being withheld as a trade secret.

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Skin exposure: IF ON SKIN: Wash with plenty of soap and water.
Ingestion: Rinse mouth with water and obtain medical attention.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.
Suspected of causing genetic defects (exposure route).
Suspected of causing cancer (exposure route).

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

Specific hazards arising from the chemical

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

Protective Equipment and Precautions for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.



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7. HANDLING AND STORAGE

Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Other exposure guidelines

No information available

Exposure controls

Engineering measures

Showers, eyewash stations, ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face and Skin Protection

Wear protective gloves/eye protection/face protection, and suitable protective clothing

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance: Not determined



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Odor:	Not determined
Odor threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	198 °F / 92 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapor pressure:	Not determined
Vapor density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Other information:	None available

10. STABILITY AND REACTIVITY

Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

Chemical stability:

Good stability under normal storage conditions.

Possibility of hazardous reactions:

Not expected under normal conditions of use.

Conditions to avoid:

Avoid extreme heat.

Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

Hazardous decomposition products:

Not expected.



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11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity: Based on available data the classification criteria are not met.
Acute Toxicity Oral 2570 mg/kg
Acute Toxicity Dermal Not Applicable
Acute Toxicity Inhalation Not Available
Skin corrosion/irritation: Based on available data the classification criteria are not met.
Serious eye damage/irritation: Based on available data the classification criteria are not met.
Respiratory or skin sensitisation: Sensitization - Skin Category 1
Germ cell mutagenicity: Germ Cell Mutagenicity Category 2
Carcinogenicity: Carcinogenicity Category 2
Reproductive toxicity: Based on available data the classification criteria are not met.
STOT-single exposure: Based on available data the classification criteria are not met.
STOT-repeated exposure: Based on available data the classification criteria are not met.
Aspiration hazard: Based on available data the classification criteria are not met.

Additional Information None available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class(es):	Sub Risk:	14.4. Packing Group:
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UN Model Regulations	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Pinene, d-Limonene)	9	-	III
US DOT	None	-			-
US DOT (Bulk)	None	-			-
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Pinene, d-Limonene) MARINE POLLUTANT	9	-	III
ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Pinene, d-Limonene)	9	-	III
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Pinene, d-Limonene)	9	-	III

US DOT refers to domestic transport by road/rail within the 48 ground states

US DOT (Bulk) refers to domestic bulk transport by road/rail within the 48 ground states.

Environmental hazards: This is an environmentally hazardous substance.

Special precautions for user: None additional

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

15. REGULATORY INFORMATION

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

RIFM ID Number: 7063-H2.12

LM Unique Identifier: LM8305

Additional information

None additional

16. OTHER INFORMATION

Key to revisions:

2 Classification

3 Composition/information on ingredients

Product identifier

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

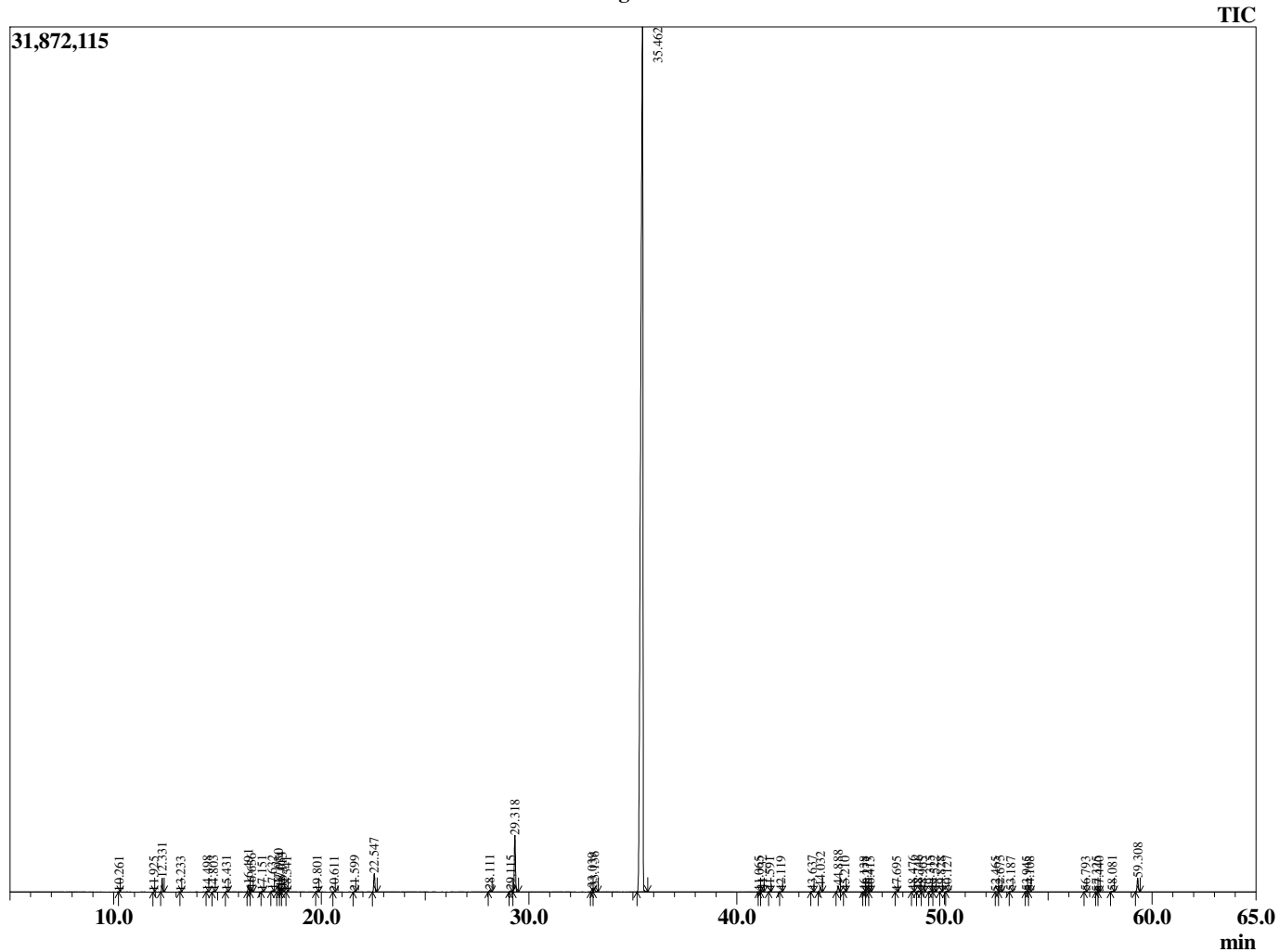
Sample Information

Analyzed by : A. Mattingly
 Analyzed : 4/13/2021 11:28:16 AM
 Sample Type : Essential Oil
 Sample Name : IIIVer1
 Injection Volume : 0.10
 Lot Number : J0E0104B[1-4]
 Instrument ID : GC-4

Peak Report TIC

R.Time	Name	Area%
4.057	3-Methylbutanal	0.00
10.261	Styrene	0.00
11.925	alpha-Thujene	0.01
12.331	alpha-Pinene	0.57
13.233	Camphene	0.01
14.498	Sabinene	0.04
14.803	beta-Pinene	0.05
15.431	Myrcene	0.06
16.491	alpha-Phellandrene	0.33
16.636	delta-3-Carene	0.14
17.151	alpha-Terpinene	0.04
17.632	para-Cymene	0.07
17.930	Limonene	0.34
18.034	beta-Phellandrene	0.21
18.113	1,8-Cineole	0.18
18.341	(E)-beta-Ocimene	0.01
19.801	gamma-Terpinene	0.06
20.611	cis-Linalool oxide (furanoid)	0.01
21.599	Terpinolene	0.04
22.547	Linalool	1.00
28.111	Terpinen-4-ol	0.11
29.115	alpha-Terpineol	0.07
29.318	Estragole	3.14
33.039	(Z)-Anethole	0.20
33.136	para-Anisaldehyde	0.27
35.462	(E)-Anethole	90.83
41.065	Unidentified	0.01
41.232	alph-Copaene	0.08
41.591	para-Acetonylanisole	0.02
42.119	beta-Elemene	0.02
43.637	cis-alpha-Bergamotene	0.05
44.032	trans-beta-Caryophyllene	0.29
44.888	trans-alpha-Bergamotene	0.37
45.210	Aromadendrene	0.02
46.138	Unidentified	0.02
46.277	alpha-Humulene	0.03
46.415	(E)-beta-Farnesene	0.03
47.695	Unidentified	0.01
48.476	Viridiflorene	0.03
48.746	Bicyclogermacrene	0.08
48.965	Unidentified	0.02
49.315	(E,E)-alpha-Farnesene	0.04
49.522	beta-Bisabolene	0.05
49.828	gamma-Cadinene	0.01
50.127	delta-Cadinene	0.05
52.465	Unidentified	0.01
52.675	(E)-Nerolidol	0.04
53.187	Unidentified	0.03
53.945	Unidentified	0.01
54.108	Globulol	0.02
56.793	Unidentified	0.01
57.325	tau-Cadinol	0.01
57.440	epi-alpha-Cadinol	0.01
58.081	alpha-Cadinol	0.04
59.308	Foeniculin	0.82
		100.00

Chromatogram IIIVer1



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