TheSage.com
Majestic Mountain Sage Inc ®

Chinese Star Anise Essential Oil

Safety Data Sheet

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

1.1 Product Name: Chinese Star Anise Essential Oil
Product Code: 302-110X

1.2 Intended Use: Compound used in customer substance/mixture/product.

1.3 Supplier:
Majestic Mountain Sage Inc
2490 S 1350 W
Nibley, Utah 84321 - United States of America
T 435.755.0863 - F 435.755.2108
www.TheSage.com

1.4 Emergency Telephone Number
No additional information available.

SECTION 2: Hazards Identification

2.1 Classification of the Substance or Mixture

Flammable Liquids, Category 4	H227: Combustible liquid.
Acute Oral Toxicity, Category 5	H303: May be harmful if swallowed.
Skin Corrosion/Irritation Category 3	H316: Causes mild skin irritation.
Skin Sensitization, Category 1	H317: May cause an allergic skin reaction
Eye Damage/Irritation, Category 2	H319: Causes serious eye irritation.
Germ Cell Mutagenicity, Category 2	H341: Suspected of causing genetic defects.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Acute Aquatic Toxicity, Category 2	H401: Toxic to aquatic life.
Chronic Aquatic Toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 GHS Label Elements, Including Precautionary Statements

Hazard Pictograms

Signal Word: Warning.

Hazard Statements

H227	Combustible liquid.
H303	May be harmful if swallowed.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280	Wear protective gloves/eye protection/face protection.
P281	Use personal protective equipment as required.
P321	Specific treatment (See supplemental first aid instructions on this label).
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403+P235	Store in a well-ventilated place. Keep cool.

2.3 Hazards Not Otherwise Classified (HNOC) and Other Information

No information available.

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Chemical Name	EC Number	CAS Number	Weight %	Classification
Anethole	203-205-5	104-46-1	50-90%	H303; H316; H317; H401
Estragole	205-427-8	140-67-0	1-5%	H227; H302; H316; H317; H341; H351
Limonene	227-813-5	5989-27-5	1-5%	H226; H304; H316; H317; H400; H410
Linalool	201-134-4	78-70-6	1-5%	H227; H303; H316; H402

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Ingestion: Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Inhalation: Move to fresh air in case of accidental inhalation. If symptoms persist, call a physician.

Self Protection of the First Aider: Use personal protective equipment.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Main Symptoms: No information available.

4.3 Indication of Any Immediate Medial Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically. May cause sensitization in susceptible persons.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable: Use dry chemical, Carbon Dioxide (CO^2), alcohol-resistant foam.

Unsuitable: Do not use solid water stream as it may scatter and spread fire.

5.2 Special Hazards Arising from the Substance or Mixture

No information available.

5.3 Protective Equipment and Precautions for Firefighters

As in any fire, wear a self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid contact with eyes and skin.

6.2 Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

6.3 Methods and Material for Containment and Cleaning Up

Containment: Prevent further leakage or spillage if safe to do so.

Cleaning Up: Dam up. Use personal protective equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Use personal protective equipment as required. Ensure adequate ventilation.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep out of reach of children. Keep container tightly closed in a cool, well-ventilated place.

Incompatible Products: No information available.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Guidelines:
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
Limonene 5989-27-5					MAK: 20 ppm MAK: 110 mg/m^3 Ceiling/Peak: 40 ppm Ceiling/Peak: 220 mg/m^3 TWA: 20 ppm TWA: 110 mg/m^3

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Limonene 5989-27-5				TWA: 25 ppm TWA: 140 mg/m^3 STEL: 50 ppm STEL: 280 mg/m^3	

Chemical Name	Austria	Sweden	Switzerland	Poland	Norway
Limonene 5989-27-5			STEL: 40 ppm STEL: 220 mg/m^3 MAK: 20 ppm MAK: 110 mg/m^3		TWA: 25 ppm TWA: 140 mg/m^3 STEL: 37.5 ppm STEL: 175 mg/m^3

Derived No Effect Level (DNEL): No information available.

Predicted No Effect Concentration (PNEC): No information available.

8.2 Exposure Controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

8.3 Personal Protective Equipment

Eye/Face Protection: Tightly fitting safety goggles

Skin and Body Protection: Protective gloves. Long sleeved clothing.

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations: When using, do not eat, drink or smoke. Wash contaminated clothing before reuse.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical State @ 20°C:	Liquid
Appearance:	Clear
Odor:	Anise
Odor Threshold:	No information available
Color:	Colorless to pale yellow
pH:	No information available
Melting Point/Range:	No information available
Freezing Point:	No information available
Initial Boiling Point:	No information available
Boiling Point/Range:	No information available
Flash Point:	200°F / 93°C
Evaporation Rate:	No information available
Flammability Limits in Air:	No information available
Explosive Properties:	No information available
Oxidizing Properties:	No information available
Vapor Pressure @ 20°C:	No information available
Vapor Density:	No information available
Specific Gravity @ 25°C:	0.9780 - 0.9880
Specific Gravity @ 20°C:	0.981 - 0.991
Refractive Index:	1.5530 - 1.5600
Water Solubility:	Insoluble in water
Solubility:	No information available
Partition Coefficient:	No information available
Autoignition Temperature:	No information available
Decomposition Temperature:	No information available
Viscosity, Dynamic:	No information available
Molecular Weight:	No information available
VOC Content (%):	23

SECTION 10: Stability and Reactivity

10.1 Reactivity

No information available.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

No information available.

10.4 Conditions to Avoid

Heat, flames and sparks.

10.5 Incompatible Materials

No materials to be especially mentioned.

10.6 Hazardous Decomposition Products

None under normal use conditions.

SECTION 11: Toxicological Information

11.1 Information on Likely Routes of Exposure

Inhalation: There is no data available for this product.
Eye Contact: There is no data available for this product.
Skin Contact: There is no data available for this product.
Ingestion: There is no data available for this product.

11.2 Information on Toxicological Effects

Symptoms: No information available.

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Anethole	2090 mg/kg (Rat)	5 g/kg (Rabbit)	-
Estragole	1230 mg/kg (Rat)	5 g/kg (Rabbit)	
Limonene	4400 mg/kg (Rat)	2000 mg/kg (Rabbit)	-
Linalool	2790 mg/kg (Rat)	5610 mg/kg (Rat)	-

11.3 Delayed and Immediate Effects as Well as Chronic Effects from Short and Long-term Exposure

Sensitization: No information available.
Mutagenic Effects: No information available.
Carcinogenicity: No information available.
Reproductive Toxicity: No information available.
Specific Target Organ Systemic Toxicity (Single Exposure): No information available.
Specific Target Organ Systemic Toxicity (Repeated Exposure): No information available.

Aspiration Hazard No information available.

11.4 Numerical Measures of Toxicity - Product Information

Acute Toxicity: 6% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated bases on Chapter 3.1 of the GHS document.

Oral: 2,205.00 mg/kg
Dermal: 5,160.00 mg/kg

SECTION 12: Ecological Information

12.1 Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Limonene		0.619-0.796: 96 h Pimephales promelas mg/L LC50 flow-through 36: 96 h Oncorhynchus mykiss mg/L LC50	
Linalool	88.3: 96 h Desmodesmus subspicatus mg/L EC50	22-46: 96 h Leuciscus idus mg/L LC50 static	20: 48 h Daphnia magna mg/L EC50

12.2 Persistence and Degradability

No information available.

12.3 Bioaccumulative Potential

No information available.

Chemical Name	log Pow
Linalool	2.84 - 3.1

12.4 Mobility in Soil
No information available.

12.5 Results of PBT and vPvB Assessment
No information available.

12.6 Other Adverse Effects
No information available.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Waste Disposal Methods:	Dispose of in accordance with local regulations.
Contaminated Packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport Information

14.1 Transport Information

DOT	Not regulated.
IMDG/IMO	Not regulated.
ICAO/IATA	Not regulated.

SECTION 15: Regulatory Information

15.1 International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substance
IECSC - China Inventory of Existing chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

SECTION 16: Other Information

16.1 Full Text of H-Statements Referred to Under Sections 2 and 3

H226: Flammable liquid and vapor.
H227: Combustible liquid.
H302: Harmful if swallowed.
H303: May be harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H316: Causes mild skin irritation.
H317: May cause an allergic skin reaction.
H341: Suspected of causing genetic defects if inhaled.
H351: Suspected of causing cancer if inhaled.
H400: Very toxic to aquatic life.
H401: Toxic to aquatic life.
H402: Harmful to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

WARNING/DISCLAIMER:
This ingredient(s) has not been tested, nor has it been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes or other similar devices (collectively “E-Cigarettes”). In supplying this ingredient, Majestic Mountain Sage instructs, and by receiving the ingredient recipient confirms, that this ingredient will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof.

Notes:
This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment holds no responsibility. This document is not intended for quality assurance purposes.