

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

PRODUCT IDENTIFIER

Product Name	Aniseed (Star Anise) Essential Oil
INCI Name	Illicium Verum Fruit/Seed Oil
CAS Number	8007-70-3


DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

EMERGENCY TELEPHONE NUMBER

Association / Organisation	0800 CHEMCALL / 0800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

HSNO Hazard Classification	Flammable Liquids, Category 4 Skin Irritation, Category 3 Eye Irritation, Category 2 Skin Sensitisation, Category 1 Acute Toxicity, Category 5 Aquatic Hazard Acute, Category 2	3.1D 6.3B 6.4A 6.5B 6.1E 9.1D
HSNO Approval Number	HSR003729	
Hazard Nature	This product is classified as HAZARDOUS under HSNO criteria	
Pictogram(s)		
Signal Word	WARNING	
Hazard Statement(s)	H315 Causes skin irritation H319: Causes serious eye irritation.	
Prevention Statements(s)	Nil	
Response Statement(s)	Nil	
Storage Statement(s)	Nil	
Disposal Statement(s)	Nil	

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.	% [weight/volume]	INCI Name
8007-70-3	87 – 100	Illicium Verum Fruit/Seed Oil

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

General advice	Remove contaminated soaked clothing and wash before reuse. Transfer the patient to a safe place. Consult a doctor. Show the chemical safety instructions to the doctor at the scene.
If inhaled	Remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
In case of skin contact	After contact with skin, wash immediately affected area with soap and plenty of water.
In case of eye contact	In case of contact with eyes, rinse immediately with plenty of water for at least 10 minutes and seek medical advice.
If swallowed	Rinse mouth with water (only if the person is conscious). Obtain medical advice.

SECTION 5 FIREFIGHTING MEASURES

Flash points	199.00°F (~92.8°C)
Extinguishing material	Water spray, carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.
Special hazards arising from the substance or mixture	Emits toxic fumes under fire conditions.
Advice for fire-fighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Further information	Use water spray to cool unopened containers.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Keep people away, evacuate area.
Environmental precautions	To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.
Methods for containment and cleaning up	Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoor. Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eyeshields and protective clothing. Smoking should not be permitted in work areas.
Conditions for safe storage, including any incompatibilities	Provide suitable air extraction ventilation in the work areas. Vapors may form explosive mixtures with air. Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges). To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area. Protect from heat/overheating and light sources. Keep in glass, suitable plastic, aluminum or laquer-lined containers.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls	The location of the workplace is recommended to be separated from other workplace. Closed operation to prevent leakage. Strengthen ventilation. Setting automatic alarm and accident ventilation facilities. Setting up emergency evacuation passages and necessary purge areas. Set up a red area warning line, warning signs and setting up a communication alarm system. Provide safe shower and eye washing equipment.
Eye/face protection	Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
Skin protection	Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.
Body Protection	Light protective clothing recommended. Wash contaminated clothing before reuse.
Respiratory protection	Do not breath vapors. Mechanical exhaust required. In confined or poorly ventilated areas, the use of an appropriate respiratory protection may be required.
Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless to pale yellow clear oily liquid	Relative density at 25 °C	0.980 g/mL
Odour	Aroma characteristics with Star Anise	Water solubility	Slightly soluble
Flash point	~92.8°C		

SECTION 10 STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Heat, excessive heat, open flames and other sources of ignition.
Incompatible materials	Moisture, light, heat, strong oxidizing agents, strong reducing agents, strong bases.
Hazardous decomposition products	Hazardous combustion or decomposition products: carbon monoxide, carbon dioxide. Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity	Irritating to skin and eyes.
Oral Toxicity (LD50)	Gavage-Rat [sex: M,F] 1510.00 mg/kg (Jenner et al., 1964) Oral-Mouse 1859.00 mg/kg Gigiena i Sanitariya. For English translation, see HYSAAV. Vol. 58(8), Pg. 20, 1993. Gavage-Guineapig [sex: M,F] 1260.00 mg/kg (Jenner et al., 1964) Oral-Rat 3210.00 mg/kg (BASF, 1981) Gavage-Rat [sex: M,F] 1510.00 mg/kg (Taylor et al., 1964)
Dermal Toxicity (LD50)	Skin-Rabbit >5000.00 mg/kg Food and Cosmetics Toxicology. Vol. 12, Pg. 823, 1974.
Skin corrosion/irritation	Skin-Rabbit 500.00 mg/24hours moderate Food and Cosmetics Toxicology. Vol. 12, Pg. 823, 1974.
Serious eye damage/irritation	No data available.
Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity IARC	No data available.
Reproductive toxicity	No data available.
STOT – single exposure	No data available.
STOT – repeated exposure	No data available.
Aspiration hazard	No data available.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity	Fish: LC50 > 110.00 MG/L/96H Leuciscus idus Algae: EC50 43.00 MG/L/72H Algae Daphnia: EC50 83.00 MG/L/48H Daphnia Bacteria: No data available
Persistence & degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT & VPVB assessment	No data available.
Further information	Prevent contamination of soil, ground and surface waters. Do not discharge product unmonitored into the environment.

SECTION 13 DISPOSAL CONSIDERATION

Product	Recycle as much as possible. If it cannot be recycled, it will be disposed of by incineration. It is forbidden to dispose of this product by way of discharging to sewers.
Contaminated packaging	Dispose of in accordance with all federal, state and local environmental regulations.

SECTION 14 TRANSPORT INFORMATION

Transport	Road & Rail (ADR)	Marine (IMDG)	Air (IATA)
UN number	Not dangerous goods.	Not dangerous goods.	Not dangerous goods.
UN proper shipping name	Nil	Nil	Nil
Transport hazard class(es)	Nil	Nil	Nil
Packing group	Nil	Nil	Nil
Environmental hazards	Nil	Nil	Nil

SECTION 15 REGULATORY INFORMATION

European information	Xi - Irritant R 36/38 - Irritating to skin and eyes. S 02 - Keep out of the reach of children. S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36 - Wear suitable protective clothing
Reviews, standards, and regulations	NOES 1983: HZD X5044; NIS 40; TNF 6993; NOS 62; TNE 100333; TFE 61328 EPA TSCA SECTION 8(B) CHEMICAL INVENTORY EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES EPA TSCA TEST SUBMISSION, (TSCATS) DATA BASE, JANUARY 2001Y.
Hazardous materials identification system	Health Hazard: 2 Fire Hazard: 1 Reactivity: 0 Personal Protection: B

SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

Version: 00 Revision Date: 27/06/2017: PIL New issue
Version: 01 Revision Date: 04/05/2020: PIL SDS Change of address - no changes to SDS.
Version: 02 Revision Date: 16/02/2022: PIL – SA199 01082020

Pure Ingredients Ltd