




Safety Data Sheet

1. Identification	
Product Name:	Anise Essential Oil
Botanical/INCI:	Pimpinella anisum
Synonyms:	Anise Oil
CAS Number:	8007-70-3
Product Uses:	Aromatherapy, Personal Use
Manufacturer/Supplier:	Amrita Aromatherapy, Inc.®
Address:	1900 W. Stone Ave., Suite C Fairfield, IA 52556
Phone:	1(800)410-9651 or 1(641)472-9136
Fax:	1(641)472-8672
Emergency Contact:	Poison Control: 1(800)222-1222
2. Hazard(s) Identification	
Appearance:	Liquid
Signal Word:	Warning
Statement of Hazard:	H226: Flammable liquid and vapor H302: Harmful if swallowed H315: Causes skin irritation H317: May cause an allergic skin reaction. H412: Harmful to aquatic life with long-lasting effects
Precautionary Statements:	P102: Keep out of the reach of children P210: Keep away from heat, sparks, open flames, hot surfaces. - No smoking. P260: Do not breathe mist, vapors, spray. P301+P317: IF SWALLOWED: Get emergency medical help. P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P370+P378: In case of fire: Use carbon dioxide (CO ₂), powder, alcohol-resistant foam for extinction. P403+P235: Store in a well-ventilated place. Keep cool. P405: Store locked up. P273: Avoid release to the environment. P501: Dispose of contents/container to comply with local, state, and federal regulations. P391: Collect spillage
Aspiration Toxicity:	Category N/A
Skin Irritation:	Category 3
Skin Sensitization:	Category 1
Acute Aquatic Toxicity:	Category 3
Chronic Aquatic Toxicity:	Category 3
Flammable Liquids:	Category 3
Eye Damage/Irritation:	Category N/A
Classification according to EU Directives 67/548/EEC or 1999/45/EC. For the full text of the R-phrases mentioned in this	

Section, see Section 16.

Hazards	
Symbol(s) Writing	Pictogram(s)
<ul style="list-style-type: none"> • Flammable liquid and vapor 	
<ul style="list-style-type: none"> • Causes skin irritation • May cause an allergic skin reaction 	
<ul style="list-style-type: none"> • Harmful to aquatic life with long lasting effects 	

3. Composition / Information on Ingredients

Ingredients List: 100% Anise (*Pimpinella anisum*) Essential Oil

Component	CAS Number	Weight %	Classification 1272 / 2008	REACH Number
Anethole	104-46-1	<=90%	Skin Sens. 1B	224-052-0
Limonene	138-86-3	<=12%	FL3, AT1, SI2, SS1, EI2, AA1, AC1	205-341-0
Methyl Chavicol	140-67-0	<=2%	AT4, SS1B, MUT2, CARC2	205-427-8
Linalool	78-70-6	<=0.5%	SI2, SS1B, EI2	201-134-4


(See Section 8 for Exposure Limits)

4. First Aid Measures

General Advice:	Seek medical attention in case of any discomfort. If immediate medical attention is required, show this material safety data sheet to the doctor in attendance.
Eye Contact:	Remove contact lenses. Flush repeatedly with water or normal saline solution for 20-30 minutes while calling hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. Immediately transport victim after flushing eyes to a hospital even if no symptoms such as redness or irritation develop.
Skin Contact:	Remove contaminated clothing; wash with water and soap. Contact physician if redness or irritation develop.
Ingestion:	Rinse mouth with water. Give one or two glasses of drinking water to dilute the chemical and immediately call a physician. Do not induce vomiting unless directed by a physician.
Inhalation:	Remove to fresh air and contact a physician if symptoms such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or

	chest occur.
5. Fire Fighting Measures	
Extinguishing Media:	SUITABLE: CO2, Foam, Dry Chemical, Water mist/fog NON SUITABLE: Water jet
Hazardous Combustion Products:	Forms carbon monoxide and carbon dioxide upon burning.
Fire Fighting Procedures:	When possible, prevent environmental run-off. Use self-contained breathing apparatus and protective clothing. Water mist may be used to cool barrels containing more product, preventing explosion.
Fire / Explosion Hazards:	Carbon monoxide, carbon dioxide, acrid fumes, smoke, or flammable vapor may be released during oil fires.
6. Accidental Release Measures	
Health and Safety Precautions:	Avoid all contact with eyes and mucous membranes. Personnel involved in cleanup should wear appropriate personal protective equipment. Minimize exposure. Eliminate all sources of ignition and ventilate area using explosion-proof equipment.
Measures for Cleaning and Collecting:	Remove all potential sources of ignition. Contain the spill with inert non-combustible absorbent material and place in approved containers.
Measures for Environmental Protections:	Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.
Additional Considerations for Large Spills:	Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.
7. Handling and Storage	
Directions of Use:	Skin application: Dilute in carrier oil before application to skin. A carrier oil is a non-hazardous oil such as apricot seed, olive oil, coconut oil, etc. Air Diffusion: Depending on the diffuser, drop several drops of oil in the reservoir.
General Handling:	Avoid contact with eyes, skin, mucous and clothing. Wear required PPE. Observe good hygiene guidelines and general safety practices. Do NOT eat, drink or smoke when handling. Keep away from heat, sparks, flame and all other sources of ignition. Ensure workspace is properly ventilated. Wash hands after handling.
Storage Conditions:	Store in tightly sealed glass container, away from heat, light and other sources of ignition; in a well-ventilated, dry and cool location. Keep away from strong oxidizing agents.
8. Exposure Controls / Personal Protection	
Exposure Limit:	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Controls:	Extraction or global ventilation. Equipment should be grounded. Provide eyewash station.
Environmental Exposure Controls:	Avoid discharging into sewer or environment. Do NOT eat, drink, or smoke near or after handling product.
Personal Protective Equipment (PPE):	Protective clothing and gloves. Eye and face protection. Regularly laundered work clothing (lab coat)
Hands:	Use oil/solvent resistant gloves. Protective gloves made of butadiene-

	acrylonitrile copolymer rubber (NBR) or polyvinyl alcohol (PVA) are recommended. Wash hands after handling.
Eyes:	Avoid contact with eyes. Use eye protectors (safety goggles in accordance with standard EN166) designed to protect against liquid splashes.
Skin:	Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
Respiratory Protection:	Assure a well-ventilated work area. General room or local exhaust ventilation is usually required to meet exposure limit(s)
9. Physical and Chemical Properties	
Physical State:	Liquid Oil
Liquid Color:	Colorless to pale yellow
Odor:	Characteristic
Molecular Weight:	Not determined
Water Solubility:	Not soluble
Boiling Point (°C):	232°C
Vapor Pressure (kPa):	Not determined
Vapor Density (g/mL):	Not determined
Flash Point – Liquid (°C):	93°C
Upper Explosive Limits:	Not determined
Lower Explosive Limits:	Not determined
Polymerization:	Will not occur
Specific Gravity 25°C:	Not determined
Specific Gravity 20°C:	0.97 - 0.99
Refractive Index 20°C:	1.552 - 1.561
10. Stability and Reactivity	
Chemical Stability:	This material presents no significant reactivity hazard.
Conditions to Avoid:	Avoid sparks, flame and excessive heat.
Incompatible Materials:	Strong oxidizing agents.
11. Toxicological Information	
General Information:	This compound is moderately toxic by ingestion. It is a weak sensitizer and may cause contact dermatitis. When heated to decomposition it emits carbon dioxide, carbon monoxide, acrid smoke and irritating fumes.
Acute Toxicity:	LD50 Oral - rat - 2,250 mg/kg
Irritation / Sensitization:	May cause irritation to skin
Skin Absorption:	It is a weak sensitizer and may cause contact dermatitis.
Carcinogen Status:	Anethole and methyl chavicol/Estragole are not considered not to be carcinogenic in the amount intended and use.
Long-Term Effects:	Unknown
12. Ecological Information	
Environmental Overview:	This product is to be considered as being potentially dangerous for the environment. Avoid any pollution of surface and ground waters.
Eco-toxicity Effects:	No Data Available
Chemical: Methyl Chavicol/Estragole:	This chemical has been found to cause liver cancer in rodents.
Persistence and Degradability:	Biodegradation is to be expected.
Bio-accumulative Potential:	Bioaccumulation is unlikely.

Mobility in Soil:	No further information available
Other Adverse Effects:	Avoid exposure to marine environments and waterways
13. Disposal Considerations	
Waste Treatment Methods:	Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste-water and waste disposal measures to prevent occupational exposure or environmental releases. Waste from a spill: Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Place waste in an appropriately labeled, sealed container for disposal. Clean spill area thoroughly. Care should be taken to avoid environmental release.
14. Transport Information	
<i>The following refers to all modes of transportation unless specified below. This material is regulated for transport under DOT, ADR, IMDG, and IATA regulations.</i>	
UN Number:	1169
UN Proper Shipping Name:	Oils, Anise
Transport Hazard Class(es):	3
Packing Group:	III
Flash Point (°C):	84
Marine Pollutant:	Yes
15. Regulatory Information	
EU Symbol:	
EU Indication of Danger:	Flammable, Dangerous to the Environment
EU Risk Phrases:	R10 - Flammable. R16 - Keep away from sources of ignition - No smoking. R22 - Harmful if swallowed. R25 - Avoid contact with eyes. R51 - Toxic to aquatic animals.
EU Safety Phrases:	S1 - Keep locked up S2 - Keep out of reach of children S3/9 - Keep container in a well-ventilated, cool place. S16 - Keep away from sources of ignition - no smoking! S23 - Do not breathe gas/fumes/vapor/spray S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S43 - In case of fire, use any type of extinction EXCEPT water jet! S61 - Avoid release to the environment. Refer to special instructions/safety data sheet S29/35 - Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
OSHA Label:	Warning
Identifying Markings in Accordance with EC Directives / GefStoffV:	Complies
California Proposition 65:	Complies
United States TSCA:	Complies
Australia (AICS):	Complies
EU EINECS/ELINCS List:	Complies

16. Other Information				
Section 3 Expanded Classification 1272 / 2008		Anethole – Skin Sens 1B Limonene – Flam. Liq. 3, Asp. Tox. 1, Skin. Irrit. 2, Skin Sens. 1, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1 Methyl chavicol – Acute Tox. 4, Skin Sens. 1B, Mutagen 2, Carcinogen 2 Linalool – Skin Irrit. 2, Skin Sens. 1B, Eye Irrit. 2		
Disclaimer: The information contained herein is accurate to the best of our knowledge. Amrita Aromatherapy, Inc.® makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.				
Revision Tracking				
Revision	Date	Reason	Author	Reviewed by
1.1	12/22/2021	New Template	KH	SS
1.2	1/28/2022	Completion	SS	AG