

# Safety Data Sheet

SDS Type: GHS / OSHA

DOC ID: 41189.248319.345616

Product: **Anise Fragrance Oil**  
Product ID: **6322**  
SKU#: **fr-4**

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## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade Name:** Anise

**Product ID:** 6322

### 1.2 Relevant identified product use

**Intended use:** Compound used in customer substance/mixture/product

### 1.3 Details of the manufacturer/supplier of the safety data sheet

The Perfumer's Apprentice  
170 Technology Circle  
Scotts Valley, CA 95066 USA  
(831) 316-7137  
regulatory@perfumersapprentice.com

### 1.4 Emergency telephone number

**(800) 255-3924** Domestic USA, Canada, Puerto Rico, and US Virgin Islands

**+1 813 248-0585** International (CHEMTEL #MIS 0000533)

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

#### Classification according to GHS Regulation (EC) No 1272/2008

Aquatic Acute Toxicity, Category 2	:
Flammable Liquids, Category 4	H227: Combustible liquid
Acute Toxicity Oral, Category 5	H303: May be harmful if swallowed
Skin Corrosion/Irritation, Category 3	H316: Causes mild skin irritation
Sensitization, Skin, Category 1B	H317: May cause an allergic skin reaction
Acute Toxicity Inhalation, Category 4	H332: Harmful if inhaled
Germ Cell Mutagenicity, Category 2	H341: Suspected of causing genetic defects
Carcinogenicity, Category 2	H351: Suspected of causing cancer
Aquatic Chronic Toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects

#### Classification OSHA (Provisions 1910.1200 of title 29)

Flammability	Class IIIA Combustible Liquid
Acute Dermal/Eye	12 : Causes skin irritation. 15 : May cause eye irritation.
Acute Inhalation	25 : Inhalation at high levels may cause: headache, dizziness, eye irritation, pulmonary tract, nausea, rapid heart action.
Acute Oral	3 : May be harmful if swallowed or if aspirated into the lungs
Reproductive/Developmental	38 : May damage fertility or the unborn child.
Sensitization/Allergic Response	31 : May cause allergic skin reaction.
Target Organ Effects	26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver.
Carcinogenicity	This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following:None [ ] ACGIH [X] IARC [ ] NTP [X] OSHA [X]

### 2.2 Label elements

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## Labelling (REGULATION (EC) No 1272/2008)

### 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
H332	Harmful if inhaled
H341	Suspected of causing genetic defects
H351	Suspected of causing cancer
H411	Toxic to aquatic life with long lasting effects

### Precautionary Statements

#### Prevention:

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P235	Keep cool
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P281	Use personal protective equipment as required

#### Response:

P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P312 + P340	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell Remove victim to fresh air and keep at rest in a position comfortable for breathing
P308 + P313	IF exposed or concerned: Get medical advice/attention
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P313	Get medical advice/attention
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P363	Wash contaminated clothing before reuse
P370 + P378	In case of fire: Use Carbon dioxide (CO <sub>2</sub> ), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
P391	Collect Spillage

### 2.3 Other Hazards

no data available

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## 3. Composition/Information on Ingredients

### 3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

CAS# Ingredient	EC#	Conc. Range	GHS Classification	OSHA Classification
117-81-7 <i>Diethyl Hexyl Phthalate</i>	204-211-0	60 - 70 %	H360	ACGIH, NTP, OSHA
4180-23-8 <i>trans-Anethole [(E)-Anethole]</i>	224-052-0	5 - 10 %	H303; H316; H317	11, 15
8015-73-4(S) <i>Ocimum Basilicum (Basil) Oil</i>	283-900-8	5 - 10 %	H227; H302; H316; H317; H341; H351; H412	
6485-40-1 <i>l-Carvone</i>	229-352-5	2 - 5 %	H313; H317	11, 15
78-70-6 <i>Linalool</i>	201-134-4	2 - 5 %	H227; H303; H315; H319	12, 26
68647-72-3 <i>Citrus aurantium var. dulcis</i>	232-433-8	2 - 5 %	H226; H304; H315; H317; H410	12, 3, 31
80-56-8 <i>a-Pinene</i>	201-291-9	1 - 2 %	H226; H303; H304; H315; H317	11, 15, 25
128-37-0 <i>Butylated hydroxytoluene</i>	204-881-4	1 - 2 %	H316; H410	
93-15-2 <i>Methyl eugenol (NFS)</i>	202-223-0	0.1 - 1.0 %	H302; H341; H351	NTP

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 5.74

## 4. First Aid Measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Remove from exposure site to fresh air and keep at rest. Obtain medical advice.
<b>Eye Exposure:</b>	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
<b>Skin Exposure:</b>	Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.
<b>Ingestion:</b>	Rinse mouth with water and obtain medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	no data available
<b>Risks:</b>	Refer to Section 2.2 "Hazard Statements"

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Treatment:</b>	Refer to Section 2.2 "Response"
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## 5. Fire-Fighting measures

### 5.1 Extinguishing media

**Suitable:** Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam  
**Unsuitable** Do not use a direct water jet on burning material

### 5.2 Special hazards arising from the substance or mixture

**During fire fighting:** Water may be ineffective

### 5.3 Advice for firefighters

**Further information:** Standard procedure for chemical fires

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

### 6.2 Environmental precautions

Keep away from drains, soil, and surface and groundwater.

### 6.3 Methods and materials for containment and cleaning up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

### 6.4 Reference to other sections

Not Applicable

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid plastic and uncoated metal container. Keep air contact to a minimum.

### 7.3 Specific end uses

No information available

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Exposure Limits:

Component	ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
<b>80-56-8</b> <i>a-Pinene</i>			20	
<b>128-37-0</b> <i>Butylated hydroxytoluene</i>			2	

**Engineering Controls:** Use local exhaust as needed.

### 8.2 Exposure controls - Personal protective equipment

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**Eye protection:** Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

**Respiratory protection:** Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

**Skin protection:** Avoid Skin contact. Use chemically resistant gloves as needed.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** Conforms to Standard

**Odor:** Conforms to Standard

**Color:** Colorless

**Viscosity:** Liquid

**Freezing Point:** Not determined

**Boiling Point:** Not determined

**Melting Point:** Not determined

**Flashpoint:** 175 F (79.44 C)

**Auto flammability:** Not determined

**Explosive Properties:** None Expected

**Oxidizing properties:** None Expected

**Vapor Pressure (mmHg@20 C):** 0.1159

**%VOC:** 6.56

**Specific Gravity @ 25 C:** 0.9650

**Density @ 25 C:** 0.9620

**Refractive Index @ 25 C:** 1.4935

**Soluble in:** Oil

## 10. Stability and Reactivity

**10.1 Reactivity** None

**10.2 Chemical stability** Stable

**10.3 Possibility of hazardous reactions** None known

**10.4 Conditions to avoid** None known

**10.5 Incompatible materials** Strong oxidizing agents, strong acids, and alkalis

**10.6 Hazardous decomposition products** None known

## 11. Toxicological Information

### 11.1 Toxicological Effects

**Acute toxicity - Oral** (LD50: 4,130.58) May be harmful if swallowed

**Acute toxicity - Dermal** (LD50: 9,979.35) Not classified - the classification criteria are not met

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<b>Acute toxicity - Inhalation</b>	(LC50: 12.81) Harmful if inhaled
<b>Skin corrosion / irritation</b>	Causes mild skin irritation
<b>Serious eye damage / irritation</b>	Not classified - the classification criteria are not met
<b>Respiratory sensitization</b>	Not classified - the classification criteria are not met
<b>Skin sensitization</b>	May cause an allergic skin reaction
<b>Germ cell mutagenicity</b>	Suspected of causing genetic defects
<b>Carcinogenicity</b>	Suspected of causing cancer
<b>Reproductive toxicity</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - single exposure</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - repeated exposure</b>	Not classified - the classification criteria are not met
<b>Aspiration hazard</b>	Not classified - the classification criteria are not met

## 12. Ecological Information

### 12.1 Toxicity

<b>Acute aquatic toxicity</b>	
<b>Chronic aquatic toxicity</b>	Toxic to aquatic life with long lasting effects
<b>Toxicity Data on soil</b>	no data available
<b>Toxicity on other organisms</b>	no data available

<b>12.2 Persistence and degradability</b>	no data available
<b>12.3 Bioaccumulative potential</b>	no data available
<b>12.4 Mobility in soil</b>	no data available
<b>12.5 Other adverse effects</b>	no data available

## 13. Disposal Conditions

### 13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

## 14. Transport Information

Regulator	Class	Pack Group	Sub Risk	UN-nr.
<b>U.S. DOT (Non-Bulk)</b> Chemicals NOI	Not Regulated - Not Dangerous Goods			
<b>ADR/RID (International Road/Rail)</b> Environmentally Hazardous Liquid, n.o.s.	Substance, 9	III		UN3082
<b>IATA (Air Cargo)</b>				

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Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III	UN3082
<b>IMDG (Sea)</b>				
Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III	UN3082

## 15. Regulatory Information

### U.S. Federal Regulations:

**TSCA (Toxic Substance Control Act):** All components of the substance/mixture are listed or exempt  
**40 CFR(EPCRA, SARA, CERCLA and CAA)** This product contains the following components:  
6422-86-2 229-176-9 60 - 70 % Diocetyl Tere Phthalate (DOTP)

### U.S. State Regulations:

**California Proposition 65 Warning** This product contains the following components:  
117-81-7 204-211-0 60 - 70 % Diethyl Hexyl Phthalate  
140-67-0 205-427-8 5 - 10 % Estragole (Methyl chavicol) (NFS)  
93-15-2 202-223-0 0.1 - 1.0 % Methyl eugenol (NFS)

### Canadian Regulations:

**DSL / NDSL** 100.00% of the components are listed or exempt.

## 16. Other Information

### GHS H-Statements referred to under section 3

H226 : Flammable liquid and vapour	H227 : Combustible liquid
H302 : Harmful if swallowed	H303 : May be harmful if swallowed
H304 : May be fatal if swallowed and enters airways	H313 : May be harmful in contact with skin
H315 : Causes skin irritation	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
H360 : May damage fertility or the unborn child	H410 : Very toxic to aquatic life with long lasting effects
H412 : Harmful to aquatic life with long lasting effects	

### Total Fractional Values

(TFV) Risk	(TFV) Risk
(2.35) Aquatic Acute Toxicity, Category 2	(2.79) Skin Corrosion/Irritation, Category 3
(8.15) Sensitization, Skin, Category 1B	(8.15) Germ Cell Mutagenicity, Category 2
(81.50) Carcinogenicity, Category 2	(2.03) Aquatic Chronic Toxicity, Category 2

**Department issuing data sheet:**

**Department E-mail address:**

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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.