



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**ANISE STAR PURE ESSENTIAL OIL**

**1. Identification of the substance/mixture and company**

Trade name: Anise Star Pure Essential Oil  
I.N.C.I. Illicium Verum Fruit Oil  
CAS No. : 84650-59-9  
EINESCS No. : 283-518-1  
REACH pre-registration No. : 01-2120230257-60  
Utilization: Raw material for cosmetic or professional use  
Supplier company identification: **Elemental SRL**, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania  
Tel/Fax: +40259-436.755, www.elemental.eu  
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.  
International emergency number: +49 180 2273-112

**2. Hazards Identification**

**Classification of the substance or mixture**

The product or requires a safety data sheet in accordance with EC Regulation 1907/2006 and subsequent amendments.

Classification according to EC Regulation 1272/2008 (Norm. GHS-CLP)

CAR2 - Carcinogenicity cat. 2

EHC2 - Dangerous for the aquatic environment, long-term hazard Cat. 2

MUT2 - Germ cell mutagenicity cat. 2

SS1 - Sensitizing to skin Cat. 1

Hazards: H317 - H341 - H351 - H411

Precautionary statements: P261 - P280 - P302+P352 - P333+P313

Special provisions: none

**Label Elements**



**Hazard statements:**

H317 - May cause an allergic skin reaction.

H341 - Suspected of causing genetic changes

H351 - Suspected of causing cancer

H411 - Toxic to aquatic life with long lasting effects

**Cautionary statements:**

P261 - Avoid breathing dust/fumes/gas/mist/vapors/aerosols.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 - After contact with skin: Wash with plenty of soap and water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice.

**Other Hazards**

Contains Limonene, Estragole, 2,6,6-trimethyl-bicyclo-2-heptene, Trans-Anethole, Linalool.

**3. Declaration of ingredients**

Material	C.A.S.	EINECS	Hazard Symbols	Percent %
trans-Anethole	418-23-8	224-052-0	H317	> 50%



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2.6.6-trimethyl-bicyclo-2-heptene	80-56-8	201-291-9	H226, H302, H304, H317, H400, H410	[ 1-10 ]
Estragole	140-67-0	205-427-8	H302, H317, H341, H351, H412	[ 1-10 ]
Limonene	138-86-3	205-341-0	H226, H304, H315, H317, H400, H410	[ 1-10 ]
Linalool	78-70-6	201-134-4	H315, H317, H319	[ 1-10 ]

#### 4. First aid measures

##### 4.1 - Description of first aid measures

In case of skin contact: wash affected area immediately with plenty of soap and water, if irritation persists contact a doctor.

In case of eye contact: rinse eyes with plenty of water for at least 15 min (keeping eyes wide open). If irritation persists, consult a doctor.

If swallowed: rinse mouth with water, do not induce vomiting. Seek medical advice immediately.

In case of inhalation: remove person to fresh air, remove contaminated clothing. If breathing difficulties persist, seek medical advice.

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

In case of contact with skin it may cause irritation. May cause discomfort if inhaled.

##### 4.3 - Indication of immediate medical attention and special treatment

In case of discomfort contact a doctor immediately.

#### 5. Fire fighting measures

##### 5.1 - Extinguishing media

Do not use water to extinguish fires. Use foam, carbon dioxide or dry chemical extinguishers.

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

Toxic fumes may be released during fire, use protective masks. Overpressure may be created in containers exposed to fire with danger of explosion, cool containers before handling.

##### 5.3 - Recommendations for firefighters

Always wear full fire protection equipment (helmet with visor, fireproof clothing, gloves, self-contained breathing apparatus).

#### 6. Accidental release measures

##### 6.1 - Personal Precautions, Protective Equipment and Emergency Procedures

In the event of a product spill or leak, move all flames or other heat sources away from the area where the spill occurred. If necessary, use airway protection; protective clothing (e.g. safety glasses or masks) should be worn. Do not handle damaged containers or spilled product without first putting on proper protective equipment protective equipment.

##### 6.2 - Environmental Precautions



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Prevent product from entering sewers, surface drains, ground water and confined areas. In case of contamination, inform the competent authorities.

#### 6.3 - Methods and Materials for Containment and Clean-up

Absorb spilled product with inert absorbent material (sand, vermiculite, diatomaceous earth). Collect most of the resulting material and place it in containers for disposal. Ensure sufficient ventilation of the spill site.

#### 6.4 - Reference to other sections

Dispose of contaminated material in accordance with the provisions of Section 13.

## 7. Handling and storage

#### 7.1 - Precautions for safe handling

Use in well ventilated area. Do not eat, drink or smoke when handling the product. Always wash hands before and after use. Use protective clothing.

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

Store in well filled, tightly closed containers, away from direct sunlight and at temperature below 50 °C away from any source of combustion. Do not smoke.

#### 7.3 - Specific end use(s)

None

## 8. Exposure controls / personal protection

#### 8.1 - Control parameters

There are no specific control parameters.

#### 8.2 - Exposure controls

Hand protection: Protect hands with category I work gloves (ref. Directive 89/686/EEC and standard EN 374) such as latex, PVC or equivalent.

Skin protection: Wear long-sleeved work clothes and safety footwear for professional use of category I (ref. Directive 89/686/EEC and standard EN 344). Wash with soap and water after removing protective clothing.

Respiratory protection: Use protective masks. The use of respiratory protective equipment is necessary in the absence of technical measures to limit worker exposure.

Eye protection: Recommended to wear tightly fitting protective goggles (ref. Norm EN 166).

## 9. Physical and chemical properties

Appearance:	liquid
Color:	colorless to pale yellow
Odor:	characteristic
Relative density (d <sub>20</sub> /20):	[0.979 ; 0.985]
Refractive index at 20°C:	[1.553 ; 1.556]
Optical rotation (°):	[-2 ; +2]
Flash point:	96°C
Olfactory Threshold:	ND
pH:	ND
Melting point/freezing point:	ND
Initial boiling point and boiling range:	ND
Evaporation Rate:	ND



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Flammability (solids, gases):	ND
Upper/lower flammability or explosive limits:	ND
Vapor Pressure:	ND
Vapor density:	ND
Solubility in water:	no
Partition coefficient: n-octanol/water	ND
Auto-ignition temperature:	ND
Decomposition Temperature:	ND
Viscosity:	ND
Explosive Properties:	ND
Oxidizing Properties:	ND

#### 10. Stability and reactivity

Stable under normal conditions of use.

##### 10.1 - Reactivity

Not applicable

##### 10.2 - Chemical Stability

Not applicable

##### 10.3 - Possibility of hazardous reactions

Not applicable

##### 10.4 - Conditions to avoid

Not applicable

##### 10.5 - Incompatible materials

Not applicable

##### 10.6 - Hazardous decomposition products

Not applicable

#### 11. Toxicological information

Acute toxicity information:

Oral (mg/kg): not determined.

Inhalation (mg/kg): not determined.

Cutaneous (mg/kg): not determined.

#### 12. Ecological information

##### 12.1 - Toxicity

Do not allow product, even if diluted in large quantities, to enter ground water or drainage channels.

##### 12.2 - Persistence and degradability

Not applicable

##### 12.3 - Bioaccumulative potential

Not applicable

##### 12.4 - Mobility in soil



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Not applicable

**12.5 - Results of PBT and vPvB assessment**

Not applicable

**12.6 - Other adverse effects**

Not applicable

**13. Disposal considerations**

Product residues are to be considered special hazardous waste. The hazardousness of the waste containing part of this product should be assessed in accordance with current legislation.

Disposal must be entrusted to an authorized waste management company, in accordance with national and local regulations.

Contaminated packaging should be sent for recovery or disposal in accordance with national waste management regulations.

**14. Transport information**

**14.1 - ONU number**

ADR: 3082 (Tunnel restriction code: D/E)

IMDG: 3082

IATA: 3082

CUSTOMS CODE: 33012941

**14.2 - ONU proper shipping name**

ADR: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Limonene)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Limonene)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Limonene)

**14.3 - Transport hazard class(es)**

ADR: 9

IMDG: 9

IATA: 9

**14.4 - Packaging group**

ADR: III

IMDG: III

IATA: III

**14.5 - Environmental Hazards**

IMDG: Marine pollutant component

**14.6 - Special precautions for user**

Not applicable.

**14.7 - Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.



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**15. Regulatory information**

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

No information available.

**15.2 - Chemical safety assessment.**

No information available.

**16. Additional information**

Full text of H phrases mentioned in section 3:

H226 - Flammable liquid and vapors.

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H317 - May cause allergic skin reaction.

H319 - Causes severe eye irritation.

H341 - Suspected of causing genetic defects.

H351 - Suspected of causing cancer.

H400 - Very toxic to aquatic organisms.

H410 - Very toxic to aquatic organisms with long lasting effects.

H412 - Harmful to aquatic life with long lasting effects.

**Disclaimer:**

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.