



## SAFETY DATA SHEET (SDS)

According to Regulation (EC) No. 1907/2006 (REACH), as amended by Regulation (EU) 2020/878

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

#### 1.1 Product Identifier

**Product Name:** Anethole Natural

**Chemical Name:** trans-Anethole ((E)-Anethole)

**Synonyms:** (E)-1-Methoxy-4-(1-propenyl)benzene; p-Propenylanisole

**CAS Number:** 4180-23-8

**EC (EINECS) Number:** 224-052-0

**FEMA Number:** 2086

**Molecular Formula:** C<sub>10</sub> H<sub>12</sub>O

**Molecular Weight:** 148.20 g/mol

**Product Type:** Natural Aroma Chemical

**Source:** Naturally isolated from essential oils (typically Star Anise, Anise or Fennel)

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#### 1.2 Relevant Identified Uses

Fragrance ingredient.

Flavour ingredient.

Perfumery raw material.

For professional use only.

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#### 1.3 Supplier



**Aromology Trading LLC**  
G05 Al Ghazal Building  
Nadd Al Hamar  
Dubai  
United Arab Emirates

Website: [www.aromology.com](http://www.aromology.com)  
Email: [info@aromology.com](mailto:info@aromology.com)

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#### 1.4 Emergency Telephone

Refer to the local Poison Centre or emergency medical services.

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## SECTION 2: HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 (CLP)

- Skin Sensitisation Category 1 (H317)
- Aquatic Chronic Category 2 (H411)

Signal Word

### Warning

Hazard Statements

**H317** May cause an allergic skin reaction.

**H411** Toxic to aquatic life with long lasting effects.

Precautionary Statements

P261 Avoid breathing vapours.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.



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

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local regulations.

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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<b>Component</b>	<b>Information</b>
Substance	Natural trans-Anethole
CAS Number	4180-23-8
EC Number	224-052-0
Molecular Formula	C <sub>10</sub> H <sub>12</sub> O
Molecular Weight	148.20 g/mol
Purity	≥98% (Natural grade; batch dependent)

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### SECTION 4: FIRST AID MEASURES

#### **Inhalation**

Move the exposed person to fresh air. Obtain medical advice if symptoms persist.

#### **Skin Contact**

Wash thoroughly with soap and water. Remove contaminated clothing.

Seek medical attention if irritation or sensitisation develops.

#### **Eye Contact**

Flush immediately with water for at least 15 minutes.

Seek medical attention if irritation persists.

#### **Ingestion**

Rinse mouth.



Do not induce vomiting.

Obtain immediate medical advice.

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## SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water spray

Unsuitable extinguishing media:

- High-pressure water jet

Hazardous combustion products:

- Carbon monoxide
- Carbon dioxide

Firefighters should wear self-contained breathing apparatus.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid contact with skin and eyes.

Prevent release into drains and waterways.

Absorb with inert absorbent material.

Dispose of according to applicable regulations.

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## SECTION 7: HANDLING AND STORAGE

Store in tightly closed containers.



Protect from:

- Heat
- Direct sunlight
- Oxidising agents

Store in a cool, dry and well-ventilated location.

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls

Provide adequate ventilation.

### Eye Protection

Safety glasses.

### Hand Protection

Chemical-resistant gloves.

### Respiratory Protection

Normally not required under adequate ventilation.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear colourless to pale yellow liquid
Odour	Sweet, anise, liquorice
Physical State	Liquid
Melting Point	20–21 °C
Boiling Point	234–237 °C
Flash Point	Approximately 90 °C (195 °F)
Relative Density (25 °C)	Approximately 0.988
Refractive Index (20 °C)	Approximately 1.561



Solubility                      Practically insoluble in water; soluble in ethanol and organic solvents

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## SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Strong oxidising agents
- Excessive heat
- Direct sunlight

Hazardous decomposition products:

- Carbon monoxide
  - Carbon dioxide
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## SECTION 11: TOXICOLOGICAL INFORMATION

Routes of exposure:

- Skin
- Eyes
- Inhalation
- Ingestion

May cause an allergic skin reaction.

Acute Oral LD<sub>50</sub> (Rabbit): Approximately 2,090 mg/kg.

Acute Dermal LD<sub>50</sub> (Rabbit): >5,000 mg/kg.

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## SECTION 12: ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.



Avoid uncontrolled release into the environment.

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#### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product and contaminated packaging in accordance with applicable local, regional and national regulations.

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#### SECTION 14: TRANSPORT INFORMATION

**UN Number:** UN 3077

**Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S.

**ADR/RID:** Class 9

**IMDG:** Class 9

**IATA:** Class 9

**Packing Group:** III

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#### SECTION 15: REGULATORY INFORMATION

**CAS Number:** 4180-23-8

**EC Number:** 224-052-0

**FEMA Number:** 2086

**Molecular Formula:** C<sub>10</sub> H<sub>12</sub>O

**Intended Use:** Fragrance and flavour ingredient.

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#### SECTION 16: OTHER INFORMATION



This Safety Data Sheet has been prepared using publicly available regulatory and supplier information for Natural trans-Anethole (CAS 4180-23-8).

The information is believed to be accurate at the date of issue but does not constitute a guarantee of product properties. Users are responsible for determining the suitability of this material for their intended application and for complying with all applicable regulations.

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**Authorized by**

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Director  
Aromology Trading LLC