

## SAFETY DATA SHEET

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### 1. Identification of the substance and of the supplier

GHS product identifier  
Product name: ANETHOLE EU NATURAL  
Other means of identification  
CAS Number 4180-23-8  
EC Number 224-052-0  
FEMA Number 2086  
Recommended use of the chemical and restrictions on use  
Recommended use Concentrated aromatic and flavor ingredient which may be used in flavor and fragrance compounds according to legal and IFRA or FEMA GRAS/FDA guidelines.  
Restrictions on use For Manufacturing Use Only.  
Supplier's details  
Company name Asia Specialty Ingredients Joint Stock Company  
Address Chi Long Village, Ngoc Long Commune, Yen My District, Hung Yen Province, Vietnam  
Telephone +84 2213 580 989  
Website [www.asi-vn.com](http://www.asi-vn.com)  
Email [info@asi-vn.com](mailto:info@asi-vn.com)  
Emergency phone number +84 986 385 445

### 2. Hazards identification

GHS classification of the substance  
Physical hazards Not classified.  
Health hazards Acute toxicity, oral Category 5  
Sensitization, skin Category 1  
Environmental hazards Hazardous to the aquatic environment, acute hazard Category 2  
Hazardous to the aquatic environment, long-term hazard Category 2  
GHS label elements Pictogram





|   | Signal word        | Warning  |
|---|--------------------|--|
| Hazard statements                                   |                    |  |
|   | H302               | May be harmful if swallowed.   |
|   | H315               | Causes skin irritation   |
|   | H317               | May cause an allergic skin reaction  |
|   | H319               | Cause serious eye irritation   |
|   | H341               | Suspected of causing genetic defects   |
|   | H412               | Harmful to aquatic life with long lasting effects  |
| Precautionary statements                            |                    |  |
| Prevention  |                    |  |
|   | P201               | Obtain special instructions before use.  |
|   | P261               | Avoid breathing mist/vapours.  |
|   | P264               | Wash thoroughly after handling.  |
|   | P280               | Wear protective gloves/eye protection/face protection.   |
| Response  |                    |  |
|   | P302 + P352        | IF ON SKIN: Wash with plenty of water.   |
|   | P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Storage   |                    |  |
|   | P405               | Store away from incompatible materials.  |
| Disposal  |                    |  |
|   | P501               | Dispose of contents/container in accordance with local/regional/national/international regulations                               |
| Other hazards which do not result in classification |                    | After prolonged contact with highly porous materials, this product may spontaneously combust                                     |

### 3. Composition/information on ingredients

#### Chemical identity

|   |                                      |
|---|--------------------------------------|
| Chemical name                           | Anethole                             |
| Common name, synonym, etc.              | 1-methoxy-4-[(E)-prop-1-enyl]benzene |
| Formula                                 | C <sub>10</sub> H <sub>12</sub> O    |
| Molecular weight                        | 148.2 g/mol                          |
| CAS number and other unique identifiers |                                      |
| CAS Number                              | 4180-23-8                            |
| EC Number                               | 224-052-0                            |
| FEMA Number                             | 2086                                 |

Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance

No data available

#### 4. First-aid measures

Description of necessary measures

Inhalation

Remove the individual to fresh air and keep at rest. Obtain medical advice immediately

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately.

Eye contact

Irrigate copiously with water for at least 10 minutes. Obtain medical advice if any irritation or evidence of tissue damage persists.

Ingestion

Rinse mouth with water. Obtain medical advice immediately.

Most important symptoms/effects  
Indication of immediate medical attention and special treatment needed, if necessary

No data available.

No data available.

#### 5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media

Foam, dry powder, carbon dioxide.

Unsuitable extinguishing media

Water spray, water jet.

Specific hazards arising from the chemical

No data available

Special protective equipment and precautions for fire-fighters

No data available

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate gloves to prevent skin exposure. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.

Environmental precautions

Avoid contaminating the environment via the sewers or water sources.

Methods and materials for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

#### 7. Handling and storage

|  |   |
|--|---|
| Precautions for safe handling                              | Keep away from food, drink and animal feeding stuff. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.   |
| Conditions for safe storage, including any compatibilities | Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label. |

## 8. Exposure controls/personal protection

|                                  |  |
|----------------------------------|--|
| Control parameters               |  |
| Occupational exposure limits     | No data available  |
| Biological limit values          | No data available  |
| Appropriate engineering controls | No data available  |
| Individual protection measures   |  |
| Eye/face protection              | Wear safety glasses with side shields (or goggles). Face shield is recommended.  |
| Hand skin protection             | Chemical resistant gloves.   |
| Other skin protection            | Use of an impervious apron is recommended.   |
| Respiratory protection           | Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided. |
| Thermal hazards                  | Wear appropriate thermal protective clothing, when necessary.  |

## 9. Physical and chemical properties

|  |                             |
|--|-----------------------------|
| Physical state                                     | Liquid/Solid                |
| Colour   | Colourless to light yellow. |
| Odour  | Sweet                       |
| Melting point/freezing point                       | 20°C - 22°C                 |
| Boiling point                                      | 234°C                       |
| Flammability                                       | No data available           |
| Lower and upper explosion limit/flammability limit | No data available           |
| Flash point  | 100°C, closed cup           |
| Auto-ignition temperature                          | No data available           |
| Decomposition temperature                          | No data available           |
| pH   | No data available           |
| Kinematic viscosity                                | No data available           |
| Solubility   | Insoluble in water          |
| Partition coefficient: n-octanol/water (log value) | No data available           |
| Vapour pressure                                    | No data available           |

|                                 |                       |
|---------------------------------|-----------------------|
| Density and/or relative density | 0.983 - 0.988 (25 °C) |
| Relative vapour density         | No data available     |
| Particle characteristics        | No data available     |

#### 10. Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | No data available.   |
| Chemical stability                 | Stable under normal operating conditions.  |
| Possibility of hazardous reactions | Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.                   |
| Conditions to avoid                | Heat, flames and other sources of ignition.<br>No special precautions other than good housekeeping of chemicals. |
| Incompatible materials             | Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.  |
| Hazardous decomposition products.  | Carbon monoxide and other unidentified organic compounds may be formed upon combustion.                          |

#### 11. Toxicological information

|   |                   |
|---|-------------------|
| Information of the likely routes of exposure  |                   |
| Inhalation  | No data available |
| Skin Contact  | No data available |
| Eye Contact   | No data available |
| Ingestion   | Causes irritation |
| Symptoms related to the physical, chemical and toxicological characteristics              | No data available |
| Delayed and immediate effects and also chronic effects from short- and long-term exposure | No data available |
| Numerical measures of toxicity  | No data available |

#### 12. Ecological information

|                               |   |
|-------------------------------|---|
| Ecotoxicity                   | Harmful to aquatic life with long lasting effects.                          |
| Persistence and degradability | The product is expected to be biodegradable.                                |
| Bioaccumulative potential     | The product does not contain any substances expected to be bioaccumulating. |
| Mobility in soil              | No data available.  |
| Other adverse effects         | Do not allow the material to enter streams, sewers or other waterways.      |

#### 13. Disposal considerations

|                            |  |
|----------------------------|--|
| Disposal instructions      | Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site. |
| Local disposal regulations | No data available  |

|                                      |  |
|--------------------------------------|--|
| Hazardous waste code                 | No data available  |
| Waste from residues/ unused products | No data available  |
| Contaminated packaging               | Dispose of waste products or used containers in accordance with local regulations. |

#### 14. Transport information

|  |  |
|--|--|
| DOT (US)   |  |
| UN number  | N/A  |
| UN proper shipping name                                  | Not classified                               |
| Transport hazard class                                   | -  |
| Packing group, if applicable                             | -  |
| IMDG   |  |
| UN number  | N/A  |
| UN proper shipping name                                  | Not classified                               |
| Transport hazard class                                   | -  |
| Packing group, if applicable                             | -  |
| IATA   |  |
| UN number  | N/A  |
| UN proper shipping name                                  | Not classified                               |
| Transport hazard class                                   | -  |
| Packing group, if applicable                             | -  |
| ADR  |  |
| UN number  | N/A  |
| UN proper shipping name                                  | Not classified                               |
| Transport hazard class                                   | -  |
| Packing group, if applicable                             | -  |
| Air transport ICAO-TI and IATA-DGR 66 <sup>th</sup> 2025 | ICAO/IATA class: not classified as hazardous |
| Special precautions                                      | No data available.                           |

#### 15. Regulatory information

|   |  |
|---|--|
| Safety, health and environmental regulations/legislation specific for the substance | EU: This safety datasheet complies with the requirement of Regulation (EC) No. 1997/2006                       |
| US federal regulations  | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |
| Chemical safety assessment  | For this product a chemical safety assessment was not carried out.   |

#### 16. Other information

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