



SAFETY DATA SHEET

ANETHOLE NAT

Issue date: January 12, 2021

Revision date: January 1, 2022

Version #2

Print date: January 1, 2022

1. Identification of the substance/preparation and the company/undertaking

Product Name	ANETHOLE NAT
Botanical Name	Illicium verum
CAS Number	4180-23-8
EC Number	224-052-0
FEMA Number	2086
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.
Recommended restrictions	No relevant information is available
Manufacturer Information	
Company name	TECH-VINA Joint Stock Company
Address	Binh Dan Village, Tan Dan Commune, Khoai Chau District, Hung Yen Province, Vietnam
Telephone	+84 866 115 386
Website	www.techvina.vn
Email	info@techvina.vn
Emergency phone number	+84 912 939 338

2. Hazards identification

Physical hazards	Not classified.
Classification of the substance or mixture:	Skin sensitization (Category 1), H317 Long-term (chronic) aquatic hazard (Category 2), H411 For the full text of the H-Statements mentioned in this Section
Environmental hazards	Hazardous to the aquatic environment, acute hazard Category 2 Hazardous to the aquatic environment long-term hazard, Category 2,



Label elements



	GHS07
Signal word	Warning
Hazard Statements	May be harmful if swallowed. May cause an allergic skin reaction. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves.
Response	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Call a POISON CENTER/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.
Storage	Store away from incompatible materials.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Chemical name	Anethole
Common name & synonyms	1-methoxy-4-[(E)-prop-1-enyl]benzene (E)-Anethole; Benzene,1-methoxy-4-(1E)-1-propenyltrans-anethole
Chemical Characterization	Substances
CAS Number	4180-23-8
EC Number	224-052-0
FEMA Number	2086
Purity	100 %

4. First-aid measures

General advice

Consult a physician. Show this material safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into the fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.



In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable extinguishing media: Do NOT use a water jet.

Special hazards arising from the substance or mixture: Nature of decomposition products not known

Advice for firefighters: Wears self-contained breathing apparatus for firefighting if necessary.

Further information: Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas..

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let the product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in a container for disposal according to local/national regulations. Keep in suitable, closed containers for disposal.

7. Handling and storage

Precautions for safe handling Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.

Conditions for safe storage, including any incompatibilities Keep the container tightly closed in a dry and well-ventilated place. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Store in a cool place.

8. Exposure controls/personal protection

Control parameters Ingredients with workplace control parameters

Exposure controls No biological exposure limits were noted for the ingredient(s).



Appropriate engineering controls Use explosion-proof ventilation equipment to stay below exposure limits.

Personal protective equipment

Eye/face protection Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards.

Hand skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied-air respirator.

Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let the product enter drains. Discharge into the environment must be avoided.

9. Physical and chemical properties

Appearance Refer to Spec Sheet

Physical state Liquid

Form Liquid

Color Colorless to Pale Yellow

Odor Characteristic

Odor threshold Not available.

pH Not available.

Melting point/freezing point 70.34 °F (21.3 °C)

Initial boiling point and boiling range 453.2 °F (234 °C)

Flash point 212.0 °F (100.0 °C) closed cup

Refractive Index 1.550 – 1.565

Flammability (solid, gas) Not applicable.



Vapor pressure	Not available
Vapor density	Not available.
Solubility (water)	Insoluble
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Specific gravity	0.960 to 0.995 @ 25 °C

10. Stability and reactivity

Reactivity	No data is available.
Chemical stability	Stable under normal temperatures and pressures
Possibility of hazardous reactions	Reacts with strong oxidizing agents. Toxic fumes may be released if heated above the decomposition point
Conditions to avoid	Excessive heat
Incompatible materials	Oxidizers.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. The nature of decomposition products is not known.

11. Toxicological information

Information on the likely routes of exposure:

Acute toxicity	LD50 Dermal Rabbit >5000 mg/kg LD50 Oral Rat 2090 mg/kg
Inhalation	No data is available
Skin Contact	No data is available
Eye Contact	No data is available
Respiratory or skin sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	No data available
Carcinogenicity	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC.
Reproductive toxicity	No data is available.

12. Ecological information

Toxicity	Toxic to aquatic life with long-lasting effects
Persistence and degradability	No data is available on the degradability of this substance.
Bioaccumulative potential	No data is available.
Mobility in soil	No data is available.
Other adverse effects	Avoid exposure to marine environments and waterways



13. Disposal Considerations

Waste from residues/ unused products	Product Offers surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself
Contaminated packaging	Dispose of as an unused product.

14. Transport information

ADR/RID:

UN Number	Not Regulated
Proper Shipping Name	Not Regulated
Class	Not Regulated
Packing Group	Not Regulated
Transport hazard class(es)	No information available
Environmental hazard	Not applicable
Special Provisions	None

IMDG

UN Number	Not Regulated
Proper Shipping Name	Not Regulated
Class	Not Regulated
Packing Group	Not Regulated
Transport hazard class(es)	No information available
Environmental hazard	Not applicable
Special Provisions	None

IATA

UN Number	Not Regulated
Proper Shipping Name	Not Regulated
Class	Not Regulated
Packing Group	Not Regulated
Transport hazard class(es)	No information available
Environmental hazard	Not applicable
Special Provisions	None

15. Regulatory information

Safety, health, and environmental	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. REACH - Restrictions on the
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regulations/legislation specific to the substance or mixture manufacture, placing on the market, and use of certain dangerous substances, preparations, and articles (Annex XVII).

Chemical Safety Assessment For this product, a chemical safety assessment was not carried out

16. Other information

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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet is intended to meet the specific requirements of GHS and should be used accordingly. While the information has been obtained from sources believed to be accurate and reliable, no warranty, expressed or implied, can be made about its completeness, correctness, or accuracy. Any users or handlers of this product who are not under the direct control of Tech-vina JSC are responsible for evaluating this information in light of their particular situation and are responsible for all losses, damages, or expenses that result while this material is under their control. It is also the responsibility of the users and handlers to observe any laws and regulations (Global, Federal, State, and Local) concerning the transportation, use, handling, storage, and disposal of this product.

