

Material Safety Data Sheet (MSDS)

Methyl Eugenol

CAS Number: 93-15-2

Prepared by: Triveni Chemicals

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Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name: Methyl Eugenol


Synonyms: 4-Allyl-1,2-dimethoxybenzene

Recommended Use: Fragrance ingredient, flavoring agent, laboratory research (subject to regulatory restrictions)


Supplier:

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GROUP OF Triveni CHEMICALS

SECTION 2: Hazards Identification

GHS Classification:

- Carcinogenicity (Category 2), H351
- Acute toxicity, oral (Category 4), H302
- Eye irritation (Category 2A), H319
- Skin irritation (Category 2), H315

Signal Word: *Warning*

Hazard Statements:

- H302: Harmful if swallowed
- H315: Causes skin irritation
- H319: Causes serious eye irritation
- H351: Suspected of causing cancer

Precautionary Statements:

- P201: Obtain special instructions before use
- P202: Do not handle until all safety precautions have been read and understood
- P264: Wash thoroughly after handling
- P270: Do not eat, drink or smoke while using this product
- P280: Wear protective gloves/eye protection
- P301+P312: IF SWALLOWED: Call a doctor/poison center if you feel unwell

- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do — continue rinsing
- P337+P313: If eye irritation persists: Get medical advice/attention
- P308+P313: If exposed or concerned: Get medical advice/attention

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Content
Methyl Eugenol	93-15-2	≥98%

SECTION 4: First-Aid Measures

- **Inhalation:** Move to fresh air. Seek medical advice if symptoms develop.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice if feeling unwell.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide

Specific Hazards: Vapors may form explosive mixtures with air

Protective Equipment: Wear SCBA and protective clothing

SECTION 6: Accidental Release Measures

Personal Precautions: Wear protective gloves and goggles. Ensure adequate ventilation. Avoid breathing vapors.

Environmental Precautions: Prevent entry into drains or waterways

Cleanup Methods: Absorb with inert material such as sand. Dispose of according to local regulations

SECTION 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid breathing vapors. Handle in a well-ventilated area.

Storage: Store tightly closed in a cool, dry, well-ventilated place away from ignition sources

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits: Not established

Engineering Controls: Provide local exhaust ventilation

Personal Protective Equipment (PPE):

- Protective gloves
- Safety goggles
- Protective clothing

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	liquid
Odor	Spicy, clove-like
Boiling Point	254 °C
Melting Point	-4 °C
Flash Point	111 °C (closed cup)

Property	Value
Autoignition Temperature	Not available
Density	~1.036g/cm ³
Solubility	Not available

SECTION 10: Stability and Reactivity

Stability: Stable under normal storage conditions

Incompatibility: Strong oxidizing agents

Decomposition Products: Carbon monoxide, carbon dioxide

Reactivity: No hazardous polymerization expected

SECTION 11: Toxicological Information

- **Oral LD₅₀ (Rat):** ~850 mg/kg
- **Skin Effects:** Causes irritation
- **Eye Effects:** Causes serious irritation
- **Respiratory Effects:** Vapors may cause mild irritation

- **Carcinogenicity:** Suspected human carcinogen based on animal data

SECTION 12: Ecological Information

- **Biodegradability:** Expected to be readily biodegradable
- **Aquatic Toxicity:** Low to moderate hazard
- **Bioaccumulation:** Low potential

SECTION 13: Disposal Considerations

Dispose of product and container in accordance with local, regional, and national regulations. Avoid release to the environment.

SECTION 14: Transport Information

- **UN Number:** Not regulated
- **Proper Shipping Name:** Methyl Eugenol
- **Hazard Class:** Not applicable
- **Packing Group:** Not applicable

SECTION 15: Regulatory Information

- TSCA listed (US)
- Complies with MSIHC Rules (India)
- Listed under California Proposition 65 (Carcinogen)
- Not listed under REACH SVHC

SECTION 16: Other Information

Prepared By: Triveni Chemicals, Regulatory Affairs Department

Disclaimer:

The information above is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under their actual conditions of use. **Triveni Chemicals** disclaims any liability for damage resulting from handling or contact.