

Material Safety Data Sheet (MSDS)

Ethyl Laurate

CAS Number: 106-33-2

Prepared by: Triveni Chemicals

Revision Date: 25-June-2025

Version: 1.0

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

- **Product Name:** Ethyl Laurate
- **Synonyms:** Lauric acid ethyl ester
- **Recommended Use:** Laboratory chemicals, flavor and fragrance applications, cosmetic intermediate
- **Supplier:**
Triveni Chemicals
Office No. 123-124, Pancharatna, Char Rasta, GIDC,
Vapi - 396195, Gujarat, India
Phone: +91-9696960250
Email: info@trivenichemical.com

+91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

✉ info@triveniinterchem.com | info@trivenichemical.com

🌐 www.triveniinterchem.com | www.trivenichemical.com

📍 135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



www.chemicalbull.com

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SECTION 2: Hazards Identification

- **GHS Classification:**
 - Not classified as hazardous under GHS criteria
- **Signal Word:** None
- **Hazard Statements:**
 - None applicable
- **Precautionary Statements:**
 - P264: Wash hands thoroughly after handling
 - P270: Do not eat, drink, or smoke when using this product
 - P501: Dispose of contents/container in accordance with local/regional/national/international regulations

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Concentration
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Ethyl Laurate	106-33-2	≥99%
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SECTION 4: First Aid Measures

- **Inhalation:** Move to fresh air. If breathing is difficult, administer oxygen. Seek medical attention if symptoms persist.

- **Skin Contact:** Wash thoroughly with soap and water. Seek medical advice if irritation develops.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation develops.
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Seek medical attention if feeling unwell.

SECTION 5: Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO₂).
- **Specific Hazards:** Combustible liquid; vapors may form flammable mixtures with air.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental Release Measures

- **Personal Precautions:** Ensure adequate ventilation. Wear appropriate personal protective equipment.
- **Environmental Precautions:** Prevent further spillage if safe to do so. Do not allow product to enter drains.
- **Methods for Cleaning Up:** Absorb with inert material (e.g., sand, earth) and place in a suitable waste container. Dispose of according to local regulations.

SECTION 7: Handling and Storage

- **Handling:** Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation.
- **Storage:** Store in a cool, dry, well-ventilated place. Keep container tightly closed. Store away from ignition sources.

SECTION 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Provide adequate ventilation, especially in confined areas.
- **Personal Protective Equipment:**
 - **Eye/Face Protection:** Safety goggles
 - **Skin Protection:** Protective gloves and clothing
 - **Respiratory Protection:** If ventilation is insufficient, use appropriate respiratory protection
 - **Hygiene Measures:** Wash hands and face after handling. Do not eat, drink, or smoke during work.

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	liquid
Odor	Faint, pleasant, fruity odor
Density	~0.862 g/cm ³
Melting Point	Not determined
Boiling Point	269 °C
Flash Point	113 °C
Solubility in Water	Insoluble
Partition Coefficient (n-octanol/water)	Not available
Autoignition Temperature	Not available

SECTION 10: Stability and Reactivity

- **Chemical Stability:** Stable under normal storage conditions.
- **Conditions to Avoid:** Heat, sparks, flames.
- **Incompatible Materials:** Strong oxidizing agents

- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide

SECTION 11: Toxicological Information

- **Acute Toxicity:**
 - Oral LD₅₀ (Rat): >5000 mg/kg (estimated)
- **Skin Corrosion/Irritation:** Not classified as irritating under normal conditions
- **Serious Eye Damage/Irritation:** May cause mild irritation
- **Respiratory or Skin Sensitization:** Not classified
- **Germ Cell Mutagenicity:** Not classified
- **Carcinogenicity:** Not classified
- **Reproductive Toxicity:** Not classified
- **Specific Target Organ Toxicity – Single Exposure:** Not classified
- **Specific Target Organ Toxicity – Repeated Exposure:** Not classified
- **Aspiration Hazard:** Not classified

SECTION 12: Ecological Information

- **Aquatic Toxicity:** Not considered hazardous to aquatic organisms
- **Persistence and Degradability:** Readily biodegradable
- **Bioaccumulative Potential:** Low
- **Mobility in Soil:** Low due to water insolubility
- **Other Adverse Effects:** Avoid uncontrolled release to the environment

SECTION 13: Disposal Considerations

Dispose of contents/container in accordance with local, regional, national, or international regulations. Avoid release to the environment.

SECTION 14: Transport Information

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not applicable
- **Transport Hazard Class:** Not applicable
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not applicable
- **Special Precautions for User:** None

SECTION 15: Regulatory Information

- **Safety, Health, and Environmental Regulations:**
 - Listed on TSCA (USA), EINECS/ELINCS (EU)
 - Not listed under REACH SVHC

SECTION 16: Other Information

Prepared By: Triveni Chemicals, Regulatory Affairs Department

Disclaimer:

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