

Material Safety Data Sheet (MSDS)

Product Name: Menthyl Lactate

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

- **Chemical Name:** Menthyl Lactate
- **Synonyms:** L-Menthyl Lactate
- **CAS Number:** 13206-35-0
- **Chemical Formula:** C₁₂H₂₂O₃
- **Product Use:** Fragrance and cooling agent in cosmetics, personal care products, and topical formulations.

2. Composition / Information on Ingredients

- **Main Ingredient:** Menthyl Lactate
- **Purity:** ≥ 99%
- **Impurities / Additives:** None significant
- **Note:** This product contains only a single chemical component for industrial and cosmetic applications.

3. Hazard Identification

- **Classification:** Not classified as hazardous under GHS.
- **Physical Hazards:** Combustible liquid.
- **Health Hazards:** May cause mild irritation if contact with eyes occurs.
- **Environmental Hazards:** Low environmental toxicity.

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse immediately with water for at least 15 minutes; seek medical attention.
- **Ingestion:** Do not induce vomiting; rinse mouth and seek medical advice.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Foam, dry powder, carbon dioxide (CO₂), water spray.
- **Specific Hazards:** Emits toxic fumes when burned.
- **Protective Equipment:** Wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

- **Personal Precautions:** Wear appropriate protective gear, avoid inhalation and skin contact.
- **Environmental Precautions:** Prevent entry into drains or waterways.
- **Methods for Cleanup:** Absorb with inert material (sand, vermiculite) and place in a suitable container for disposal.

7. Handling and Storage

- **Handling:** Avoid contact with eyes and skin; use in well-ventilated areas.

- **Storage:** Keep container tightly closed in a cool, dry, well-ventilated place away from heat and flame.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Use adequate ventilation.
- **Personal Protective Equipment (PPE):**
 - Gloves: Chemical-resistant
 - Eye Protection: Safety goggles
 - Respiratory Protection: In case of inadequate ventilation, use suitable respirator
- **Exposure Limits:** No occupational exposure limit established.

9. Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor:** Mild minty aroma
- **Boiling Point:** 220–225 °C
- **Melting Point:** -
- **Flash Point:** 104 °C (Closed cup)
- **Solubility:** Slightly soluble in water, soluble in organic solvents
- **pH:** Neutral

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Heat, flame, and strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, oxides of carbon.

11. Toxicological Information

- **Acute Toxicity:** Low oral and dermal toxicity.

- **Skin Irritation:** May cause mild irritation.
- **Eye Irritation:** May cause transient discomfort.
- **Chronic Effects:** No known chronic effects at normal usage levels.

12. Ecological Information

- **Environmental Impact:** Low toxicity; biodegradable under natural conditions.
- **Mobility:** May partition into soil or water surfaces.
- **Bioaccumulation:** Not expected to bioaccumulate.

13. Disposal Considerations

- **Waste Disposal:** Dispose of in accordance with local, regional, and national regulations.
- **Contaminated Packaging:** Empty containers may contain residues; handle as hazardous waste if contaminated.

14. Transport Information (Detailed)

- **UN Number:** Not regulated for transport under UN.
- **UN Proper Shipping Name:** Not classified as dangerous.
- **Transport Hazard Class:** None
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not classified as marine pollutant.
- **Special Precautions:**
 - Keep away from sources of ignition during transport.
 - Ensure containers are tightly closed and upright to prevent leakage.
 - Handle in accordance with local and international transport regulations.
 - For road transport (ADR/RID): Avoid rough handling and exposure to heat.
 - For air transport (IATA/ICAO): Not restricted; use standard packaging.
 - For sea transport (IMDG): Store in dry, well-ventilated cargo hold.

15. Regulatory Information

- **GHS Classification:** Not hazardous
- **Labeling Requirements:** None mandatory, handle as chemical product.
- **Other Regulations:** Complies with local chemical safety regulations.

16. Other Information

- **Disclaimer:** Information provided is based on current knowledge. Users should verify the suitability for their specific applications.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.