

Material Safety Data Sheet (MSDS)

Methyl Nicotinate

CAS Number: 93-60-7

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: Methyl Nicotinate

Synonyms: Nicotinic acid methyl ester

Recommended Use: Active pharmaceutical ingredient, cosmetic ingredient, rubefacient

Supplier:

Triveni Chemicals

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SECTION 2: Hazards Identification

GHS Classification:

- Skin irritation (Category 2), H315
- Eye irritation (Category 2A), H319

Signal Word: *Warning*

Hazard Statements:

- H315: Causes skin irritation
- H319: Causes serious eye irritation

Precautionary Statements:

- P264: Wash thoroughly after handling
- P280: Wear protective gloves/eye protection
- P302+P352: IF ON SKIN: Wash with plenty of soap and 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
- P337+P313: If eye irritation persists: Get medical advice/attention

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Content
Methyl Nicotinate	93-60-7	≥98%

SECTION 4: First-Aid Measures

- **Inhalation:** Remove to fresh air. Seek medical attention if respiratory irritation occurs.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical attention if irritation develops.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if unwell.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide

Specific Hazards: May form combustible vapors in fire conditions

Protective Equipment: Wear SCBA and protective gear

SECTION 6: Accidental Release Measures

Personal Precautions: Wear gloves, goggles. Provide ventilation. Avoid breathing vapors.

Environmental Precautions: Prevent entry into drains or waterways

Cleanup Methods: Absorb with inert material (e.g., sand). Dispose of according to local regulations

SECTION 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Use only 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: General ventilation recommended

Personal Protective Equipment (PPE):

- Protective gloves
- Safety goggles
- Protective clothing

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	solid
Odor	Mild, characteristic
Boiling Point	204°C
Melting Point	42 - 44°C
Flash Point	Not determined
Autoignition Temperature	Not available
Density	0.827 g/cm ³
Solubility	Soluble in water

SECTION 10: Stability and Reactivity

Stability: Stable under normal storage conditions

Incompatibility: Strong oxidizing agents

Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides

Reactivity: No hazardous polymerization known

SECTION 11: Toxicological Information

- **Oral LD₅₀ (Rat):** ~3000 mg/kg (estimated)
- **Skin Effects:** May cause irritation and redness
- **Eye Effects:** Causes irritation
- **Respiratory Effects:** Vapors may cause mild irritation

SECTION 12: Ecological Information

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

SECTION 13: Disposal Considerations

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

SECTION 14: Transport Information

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

SECTION 15: Regulatory Information

- TSCA listed (US)
- Complies with MSIHC Rules (India)
- 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.

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