

Material Safety Data Sheet (MSDS)

Product Name: Vitamin B3 [Niacin] Feed Grade

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 of the Company

- **Product Name:** Vitamin B3 (Niacin) – Feed Grade
- **Synonyms:** Nicotinic Acid, 3-Pyridinecarboxylic acid
- **Intended Use:** Nutritional feed additive, vitamin supplement

2. Hazards Identification

- **Classification (GHS):** Not classified as hazardous
- **Hazard Statements:** May cause mild skin/eye irritation. Dust may cause respiratory irritation.
- **Precautionary Statements:** Avoid dust generation. Use protective equipment when handling.

3. Composition / Information on Ingredients

- **Chemical Name:** Niacin (Vitamin B3)

- **CAS No.:** 59-67-6
 - **EINECS No.:** 200-441-0
 - **Purity:** ≥ 98%
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4. First Aid Measures

- **Inhalation:** Move to fresh air. If symptoms persist, seek medical advice.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes.
 - **Ingestion:** Rinse mouth. Seek medical attention if large amounts ingested.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂.
 - **Special Hazards:** Combustion may produce carbon oxides and nitrogen oxides.
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.
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6. Accidental Release Measures

- Avoid dust formation.
 - Sweep up and place in properly labeled containers.
 - Ventilate area and wash spill site after material pickup.
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7. Handling and Storage

- Handle in accordance with good industrial hygiene practices.
 - Store in a cool, dry, well-ventilated area.
 - Keep container tightly closed.
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8. Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** Not established.

- **Personal Protective Equipment:**
 - Respiratory: Dust mask if ventilation inadequate.
 - Eyes: Safety glasses with side shields.
 - Hands: Protective gloves.
 - Skin: Protective clothing.
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9. Physical and Chemical Properties

- **Appearance:** White to off-white crystalline powder
 - **Odor:** Odorless
 - **Melting Point:** 236 °C
 - **Solubility:** Slightly soluble in water, soluble in ethanol
 - **pH (1% solution):** ~3–4
 - **Molecular Weight:** 123.11 g/mol
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10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions
 - **Incompatible Materials:** Strong oxidizing agents
 - **Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides
 - **Conditions to Avoid:** Excessive heat, moisture
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11. Toxicological Information

- **Acute Toxicity (Oral, Rat):** LD50 ~ 3500 mg/kg
 - **Irritation:** May cause mild skin/eye irritation
 - **Chronic Effects:** High doses may cause flushing, dizziness, liver effects
 - **Carcinogenicity:** Not classified as carcinogenic
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12. Ecological Information

- **Ecotoxicity:** Low environmental hazard
- **Persistence/Degradability:** Biodegradable
- **Bioaccumulation:** Not expected to bioaccumulate
- **Mobility in Soil:** Low mobility

13. Disposal Considerations

- Dispose in accordance with local, regional, and national regulations.
- Do not discharge into drains or environment.

14. Transport Information (Detailed)

- **UN Number:** Not regulated (non-hazardous for transport)
- **UN Proper Shipping Name:** Not applicable (Vitamin B3 / Niacin)
- **Transport Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable
- **Environmental Hazards:** None known
- **Special Precautions for User:** Avoid dust formation during handling and transport.
- **Transport in Bulk (IMDG / IBC Code):** Not applicable
- **Land Transport (ADR/RID):** Not regulated
- **Sea Transport (IMDG):** Not regulated; safe for maritime shipment.
- **Air Transport (IATA/ICAO):** Not regulated; can be transported without restrictions.
- **Additional Information:** Product is stable under standard transport conditions. Protect from excessive heat, moisture, and direct sunlight.

15. Regulatory Information

- Not classified as hazardous according to EU, OSHA, GHS regulations.
- Complies with feed additive safety standards.

16. Other Information

- This MSDS is prepared in accordance with GHS guidelines.
- Information is believed accurate but without warranty.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.