



# NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.  
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

## Safety Data Sheet (MSDS)

(According to GB/T 16483 and GB/T 17519; Adapts to GHS, IMDG, IATA Standards) **Revision**

**Date:** 05 FEB 2026

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

#### 1.1 Product Identifiers

- Product Name: Nicotinic Acid
- Product Number: NIC-20260205
- Brand: SIGALD
- CAS-No.: 59-67-6
- Synonyms: Niacin; Vitamin B3; Pyridine-3-carboxylic acid
- MDL Number: MFCD00002585

#### 1.2 Details of the supplier

- Company: NEWAY SINOPHC TECH. LIMITED
- Address: RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
- Telephone: +86-021-50350029
- Fax: +86-021-50350029

1.3 **Emergency telephone:** +86-021-50350029 (CHEMTREC)

#### 1.4 Identified Uses & Uses Advised Against

- Identified Uses: Food additive, pharmaceutical raw material, cosmetic ingredient, feed additive, industrial intermediate.
- Uses Advised Against: Not for direct undiluted skin contact; no unauthorized industrial use.

### SECTION 2: Hazards Identification

2.1 **GHS Classification:** Skin irritation (Category 2); Eye irritation (Category 2) 2.2 **GHS Label**

#### Elements

- Hazard Pictogram: (Warning)
- Signal Word: Warning
- Hazard Statements: H315 (Causes skin irritation); H319 (Causes serious eye irritation)
- Precautionary Statements: P264, P280, P302+P352, P305+P351+P338, P321, P332+P313, P337+P313
- 2.3 **Physical and Chemical Hazards:** No physical/chemical hazards identified.
- 2.4 **Health Hazards:** Mild skin/eye irritation; no acute oral toxicity for normal use; high doses may cause flushing.
- 2.5 **Environmental Hazards:** Environmentally friendly; fully biodegradable; no adverse aquatic/terrestrial effects.
- 2.6 **Other Hazards:** No additional hazards.

### SECTION 3: Composition/Information on Ingredients

- Substance / Mixture: Pure Substance
- Active Ingredient: Nicotinic Acid (100%, w/w) | CAS:59-67-6 | Skin/Eye Irritant (Category 2)
- No other ingredients present.

### SECTION 4: First Aid Measures

#### 4.1 First-Aid Measures



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- If Inhaled: Move to fresh air; rest if discomfort occurs; consult a doctor if coughing/shortness of breath persists.
  - In Case of Skin Contact: Remove contaminated clothing; rinse skin with plenty of running water for 15 minutes; apply emollient if irritation occurs.
  - In Case of Eye Contact: Rinse eyes with plenty of running water for 10-15 minutes (hold eyelids open); consult an ophthalmologist immediately if irritation persists.
  - If Swallowed: Rinse mouth with water; drink 1-2 glasses of water; consult a doctor for large quantity ingestion (may cause flushing/nausea).
- 4.2 Symptoms:** Skin redness/itching; eye redness/tearing; oral high dose: facial flushing, mild nausea.
- 4.3 Medical Attention:** Treat symptomatically; antihistamines for flushing/irritation if needed.

## SECTION 5: Firefighting Measures

**5.1 Extinguishing Media:** Water spray, foam, carbon dioxide (CO<sub>2</sub>), dry powder.

**5.2 Special Hazards:** Non-combustible; no hazardous combustion gases generated on heating.

**5.3 Firefighter Advice:** Wear standard fire-fighting gear; avoid inhalation of thermal decomposition fumes.

## SECTION 6: Accidental Release Measures

**6.1 Personal Precautions:** Wear dust mask, safety glasses, and nitrile gloves; avoid dust

inhalation and skin/eye contact.

**6.2 Environmental Precautions:** No special measures; product

is biodegradable and non-polluting.

**6.3 Clean Up:** Sweep up spilled powder with a brush;

transfer to sealed container for reuse/disposal; wipe area with water to remove residual dust.

**6.4 Disposal Reference:** See Section 13.

## SECTION 7: Handling and Storage

**7.1 Safe Handling:** Operate in well-ventilated area; avoid dust generation/inhalation; wear PPE (Section 8); wash hands thoroughly after handling; do not touch eyes/skin with contaminated hands.

**7.2 Safe Storage**

- Conditions: Store in a cool, dry, dark warehouse ( $\leq 25^{\circ}\text{C}$ ); keep container tightly closed; protect from moisture/light.
- Incompatibilities: Strong alkalis, strong oxidizing agents.
- Storage Class: 13 (Non-Hazardous Solids, with mild irritation)
- Shelf Life: 24 months (unopened, specified conditions)

## SECTION 8: Exposure Controls/Personal Protection

**8.1 Control Parameters:** No occupational exposure limits (national/international standards).

### 8.2 Exposure Controls

- Engineering Controls: Basic ventilation; dust collection system for large-scale handling.
- PPE: Dust mask (N95 for dust), impact-resistant safety glasses (eye protection), nitrile rubber gloves (skin protection), lab coat (body protection).
- Environmental Controls: No special measures required.

## SECTION 9: Physical and Chemical Properties



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- Physical State: Crystalline powder
- Color: White to pale yellow
- Odor: Slightly acidic odor
- Melting Point: 234-238°C
- Solubility: Slightly soluble in water/ethanol; soluble in hot water, dilute alkalis/acids
- pH (1% aqueous suspension, 25°C): 2.0-3.0
- Bulk Density: 0.9-1.1 g/cm<sup>3</sup>
- Flammability: Non-combustible
- Explosive Properties: Not explosive
- Oxidizing Properties: None

## SECTION 10: Stability and Reactivity

10.1 **Stability:** Stable under recommended storage/use conditions. 10.2 **Hazardous Reactions:** No hazardous reactions under normal use; reacts with strong alkalis to form salts. 10.3

**Conditions to Avoid:** High temperature (> 200°C), prolonged exposure to moisture/light, contact with strong alkalis/oxidizers. 10.4 **Incompatibilities:** Sodium hydroxide, potassium

hydroxide, hydrogen peroxide, concentrated nitric acid. 10.5 **Decomposition Products:** No toxic decomposition products; minor organic volatiles on high-temperature decomp.

## SECTION 11: Toxicological Information

- Acute Oral Toxicity (Rat, LD<sub>50</sub>): 7000 mg/kg
- Acute Dermal Toxicity (Rabbit, LD<sub>50</sub>): > 5000 mg/kg
- Skin Irritation (Rabbit): Mild irritation (Category 2)
- Eye Irritation (Rabbit): Moderate irritation (Category 2)
- Sensitization: No skin/respiratory sensitization
- Carcinogenicity: Not classified by IARC/EPA/NTP
- Reproductive Toxicity: No known reproductive effects at normal use doses

## SECTION 12: Ecological Information

- Aquatic Toxicity (Zebrafish, LC<sub>50</sub>, 96h): > 3000 mg/L
- Biodegradability: Fully biodegradable (BOD<sub>5</sub>/COD > 0.6)
- Bioaccumulation Potential: No bioaccumulation in organisms
- Soil Mobility: Low mobility; neutralizes mild soil alkalinity (minor effect)

## SECTION 13: Disposal Considerations

- Product Waste: Dispose via licensed waste treatment facilities; or reuse as raw material if uncontaminated.
- Packaging Waste: Rinse packaging thoroughly with water; dispose as non-hazardous solid waste or recycle.
- Compliance: Follow local/national/international waste disposal regulations; do not dump into water/soil.

## SECTION 14: Transport Information



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- UN Number: ADR/RID/IMDG/IATA: -
- UN Proper Shipping Name: Non-dangerous goods (all modes)
- Transport Hazard Class: -
- Packaging Group: -
- Environmental Hazards: No (non-marine pollutant)
- Transport Precautions: Avoid moisture/light, collision, breakage; wear PPE for loading/unloading; separate from strong alkalis/oxidizers during transport.

### SECTION 15: Regulatory Information

- National (China): Non-hazardous chemical (mild irritation); complies with Food Safety Law, Pharmaceutical Administration Law, Hazardous Chemical Safety Management Regulation.
- International: GHS (Rev.9) Skin/Eye Irritation (Category 2); REACH (EU) registered; TSCA (US) listed on inventory; FCC/USP compliant.

### SECTION 16: Other Information

This MSDS is based on current scientific knowledge and complies with GB/T 16483, GB/T 17519, GHS standards. Supplier is not liable for damage caused by improper use/non-compliance with safety precautions. This product is for industrial/formulation use only; not for direct end-use without proper processing.

纳维盈医化科技  
NEWAY SINOPHC TECH