



# 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: Biotin
- Product Number: BIO-20260205
- Brand: SIGALD
- CAS-No.: 58-85-5
- Synonyms: Vitamin H; Vitamin B7; D-Biotin
- MDL Number: MFCD00005629

#### 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.
- Uses Advised Against: No unauthorized industrial use; not for direct bulk consumption without formulation.

### SECTION 2: Hazards Identification

2.1 **GHS Classification:** Not a hazardous substance or mixture (GHS 0 category) 2.2 **GHS Label Elements**

- Hazard Pictogram: None
- Signal Word: None
- Hazard Statements: None
- Precautionary Statements: None
- 2.3 **Physical and Chemical Hazards:** No physical or chemical hazards identified.
- 2.4 **Health Hazards:** No acute or chronic health hazards; non-toxic via oral/dermal route for normal use.
- 2.5 **Environmental Hazards:** Environmentally friendly; fully biodegradable; no adverse effects on aquatic/terrestrial organisms.
- 2.6 **Other Hazards:** No additional hazards identified.

### SECTION 3: Composition/Information on Ingredients

- Substance / Mixture: Pure Substance
- Active Ingredient: Biotin (100%, w/w) | CAS:58-85-5 | Non-hazardous
- No hazardous ingredients present.

### SECTION 4: First Aid Measures



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## 4.1 First-Aid Measures

- If Inhaled: Move to fresh air; no special treatment if no discomfort.
  - In Case of Skin Contact: Rinse skin with running water; no irritation expected.
  - In Case of Eye Contact: Rinse eyes with plenty of running water for 5 minutes; consult a doctor only if irritation persists.
  - If Swallowed: Rinse mouth with water; no toxic effects for normal ingestion, consult a doctor for large quantity ingestion.
- 4.2 Symptoms and Effects:** No known acute/delayed toxic effects for normal use.
- 4.3 Medical Attention:** No specific treatment required; treat symptomatically 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; no special protective equipment required.

## SECTION 6: Accidental Release Measures

**6.1 Personal Precautions:** Wear dust mask and gloves for large spills; avoid dust inhalation.

**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.

**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; wash hands after handling.

**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: No known incompatible materials.

- Storage Class: 13 (Non-Hazardous Solids)

- Shelf Life: 24 months (unopened, specified conditions)

## SECTION 8: Exposure Controls/Personal Protection

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

### Exposure Controls

- Engineering Controls: Basic ventilation sufficient; dust collection system for large-scale handling.
- PPE: Dust mask (for dust), safety glasses (for splashes), nitrile gloves (skin contact).
- Environmental Controls: No special measures required.

## SECTION 9: Physical and Chemical Properties

- Physical State: Crystalline powder

- Color: White to off-white

- Odor: Odorless

- Melting Point: 228-232°C (decomposition)

- Solubility: Slightly soluble in water, ethanol; soluble in dilute alkalis



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- pH (1% aqueous suspension, 25°C): 5.0-7.0
- Bulk Density: 0.8-1.0 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. 10.3 **Conditions to Avoid:** High temperature (> 200°C), prolonged exposure to moisture/light. 10.4 **Incompatibilities:** No known incompatible materials. 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>): > 10,000 mg/kg
- Acute Dermal Toxicity (Rabbit, LD<sub>50</sub>): > 10,000 mg/kg
- Skin Irritation (Rabbit): Non-irritating
- Eye Irritation (Rabbit): Non-irritating
- Sensitization: No skin/respiratory sensitization
- Carcinogenicity: Not classified by IARC/EPA/NTP
- Reproductive Toxicity: No known reproductive effects

## SECTION 12: Ecological Information

- Aquatic Toxicity (Zebrafish, LC<sub>50</sub>, 96h): > 5000 mg/L
- Biodegradability: Fully biodegradable (BOD<sub>5</sub>/COD > 0.6)
- Bioaccumulation Potential: No bioaccumulation in organisms
- Soil Mobility: Low mobility; no adverse soil effects

## SECTION 13: Disposal Considerations

- Product Waste: Dispose via licensed waste treatment facilities; or reuse as raw material if uncontaminated.
- Packaging Waste: Rinse packaging; dispose as non-hazardous solid waste or recycle.
- Compliance: Follow local/national/international waste disposal regulations.

## SECTION 14: Transport Information

- 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 of containers; transport at ≤ 30°C.

## SECTION 15: Regulatory Information



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- National (China): Non-hazardous chemical; complies with Food Safety Law, Pharmaceutical Administration Law.
- International: GHS (Rev.9) Non-hazardous; 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.

