



# 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)

- **Feed Grade Saccharin**(Compliant with GB/T 16483, GHS Rev.9, IMDG, IATA)

**Revision Date: 24 FEB 2026**

### SECTION 1: Identification

#### 1.1 Product Identifiers

- Name: Saccharin (Feed Grade)
- CAS: 81-07-2
- Synonyms: 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide; O-Benzosulfimide
- EINECS: 201-321-0

#### 1.2 Supplier Details

- Company: NEWAY SINOPHC TECH. LIMITED
- Address: RM. 204, BLDG 3, 188 Aona Rd, Shanghai FTZ, China
- Tel: +86-021-50350029 | Fax: +86-021-50350029

#### 1.3 Emergency Contact: +86-021-50350029 (24h)

1.4 Uses: **Exclusive for animal feed additive (non-nutritive sweetener)**. Used to improve feed palatability, increase animal feed intake, and reduce feed waste. Not for human food, pharmaceutical or industrial use.

### SECTION 2: Hazards Identification

- **GHS Classification:** Skin irritation (Category 2); Eye irritation (Category 2); Specific target organ toxicity - single exposure (respiratory tract irritation, Category 3)
- **Pictogram:** (Exclamation Mark)
- **Signal Word:** Warning
- **Hazard Statements:**
  - H315: Causes skin irritation
  - H319: Causes serious eye irritation
  - H335: May cause respiratory irritation
- **Precautionary Statements:**
  - P261: Avoid breathing dust/fume/gas/mist/vapors/spray
  - P280: Wear protective gloves/eye protection/face 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.

**Summary:** Non-flammable solid feed additive. May cause mild skin/eye irritation and respiratory discomfort from dust inhalation. Non-toxic to animals at approved feed inclusion levels.

### SECTION 3: Composition/Information on Ingredients

- **Pure Substance:** Saccharin (CAS 81-07-2)
- **Concentration:** ≥99.0% (Feed Grade)



# 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>

- **Impurities:** None hazardous (compliant with feed hygiene standards)

## SECTION 4: First Aid Measures

- **Inhalation:** Move victim to fresh air, keep warm and at rest. If coughing or chest tightness persists, seek medical advice.
- **Skin Contact:** Immediately wash contaminated skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation develops, seek medical attention.
- **Eye Contact:** Hold eyelids open and rinse continuously with clean running water for at least 15 minutes. Remove contact lenses if worn. If eye irritation persists, consult an ophthalmologist immediately.
- **Ingestion (Human):** Rinse mouth with water. Do not induce vomiting unless directed by a physician. Drink plenty of water if no symptoms are present. Seek medical attention if gastrointestinal discomfort occurs.
- **Antidote:** No specific antidote. Treat symptomatically.

## SECTION 5: Firefighting Measures

- **Extinguishing Media:** Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical powder, foam. All common agents are suitable.
- **Hazards in Fire:** Decomposes at high temperatures (>230°C) to produce toxic sulfur oxides (SO<sub>x</sub>) and nitrogen oxides (NO<sub>x</sub>). No explosion risk.
- **Firefighter Advice:** Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective gear. Cool surrounding containers with water spray. Avoid inhaling combustion fumes.

## SECTION 6: Accidental Release Measures

- **Personal Precautions:** Wear N95 dust mask, nitrile gloves, and safety goggles for all spill cleanup. Ensure good ventilation in the area.
- **Cleanup Methods:**
  - Small Spill: Sweep into a sealed HDPE container with a clean brush. Wipe the area with a damp cloth to prevent dust dispersion.
  - Large Spill: Collect with a dust-free vacuum cleaner into sealed HDPE drums. Avoid creating dust clouds.
- **Environmental Precautions:** Prevent spilled material from entering drains, sewers, or water bodies. Collect and dispose of as solid waste; do not release directly into the environment.

## SECTION 7: Handling and Storage

- **Handling Precautions:** Operate in a well-ventilated area with local dust extraction. Avoid dust generation during weighing and mixing. Wash hands thoroughly after handling. Do not eat, drink or smoke in the workplace.
- **Storage Conditions:**
  - Temperature: ≤25°C; Relative Humidity: ≤60%



## 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>

- Package: Keep tightly sealed in original moisture-proof paper drums with double PE inner liners.
- Shelf Life: **36 months (unopened, under specified conditions)**
- Incompatibilities: Strong oxidizing agents, strong bases
- Segregation: Store separately from strong oxidizers/bases and non-feed grade chemicals; mark "FEED GRADE" clearly.

### SECTION 8: Exposure Controls/Personal Protection

- **Occupational Exposure Limit (OEL):** TWA 10 mg/m<sup>3</sup> (ACGIH)
- **Engineering Controls:** Local exhaust ventilation systems in bulk handling areas to control dust concentration.
- **Personal Protective Equipment (PPE):**
  - Respiratory: N95 dust mask (bulk handling)
  - Eyes: Chemical splash goggles (mandatory for all operations)
  - Skin: Nitrile rubber gloves and chemical-resistant apron (mandatory for bulk handling)

### SECTION 9: Physical and Chemical Properties

- **Physical State:** White crystalline powder | **Odor:** Odorless
- **Melting Point:** 226-230°C | **Boiling Point:** Decomposes before boiling
- **Solubility:** Freely soluble in water (10 g/100 mL at 25°C); soluble in ethanol
- **Bulk Density:** 1.40-1.45 g/cm<sup>3</sup> | **Flash Point:** Not applicable (non-combustible)
- **Vapor Pressure:** <0.0001 kPa (25°C) | **pH Value:** 4.0-6.0 (1% aqueous solution)

### SECTION 10: Stability and Reactivity

- **Stability:** Stable under normal feed production and storage conditions. Resistant to heat, light and hydrolysis in feed formulations.
- **Hazardous Reactions:** Reacts with strong oxidizing agents and strong bases at high temperatures, producing toxic fumes.
- **Hazardous Polymerization:** Will not occur.
- **Decomposition Products:** Sulfur oxides (SO<sub>x</sub>), nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO) (high-temperature decomposition).

### SECTION 11: Toxicological Information

- **Acute Toxicity:** Oral (Rat) LD<sub>50</sub> = 14,200 mg/kg (Low toxicity); Dermal (Rabbit) LD<sub>50</sub> >20,000 mg/kg
- **Skin Irritation:** Causes mild skin irritation (Category 2)
- **Eye Irritation:** Causes serious eye irritation (Category 2)
- **Carcinogenicity:** IARC Classification - Group 3 (not classifiable as to carcinogenicity to humans); Approved for feed use by major regulatory bodies.
- **Animal Safety:** Safe at approved feed inclusion levels (≤0.01% for most species). No adverse effects on growth, reproduction or health.

### SECTION 12: Ecological Information

- **Aquatic Toxicity:** LC<sub>50</sub> (Zebrafish, 96h) = 5,800 mg/L (Slightly toxic at high concentrations)



## 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>

---

- **Biodegradability:** Poorly biodegradable ( $BOD_5 / COD < 0.1$ )
- **Bioaccumulation Potential:** Low ( $\log P = -1.8$ )
- **Environmental Impact:** At recommended feed levels, excretion in manure poses minimal environmental risk. Avoid large-scale release into water bodies.

### SECTION 13: Disposal Considerations

- **Product Waste:** Expired or contaminated saccharin is classified as non-hazardous solid waste. Dispose of in accordance with local solid waste regulations. Do not reuse expired material in feed.
- **Packaging Waste:** Rinse packaging thoroughly, then recycle or dispose of as non-hazardous waste.
- **Disposal Compliance:** Comply with China General Solid Waste Pollution Control Law and local regulations.

### SECTION 14: Transport Information

- **UN Number:** None (Non-hazardous goods for transport)
- **UN Proper Shipping Name:** Saccharin (Feed Additive), Not Dangerous Goods
- **Hazard Class:** None | **Packaging Group:** None | **Environmental Hazard:** No
- **Transport Precautions:** Transport in covered, dry ordinary cargo vehicles. Prevent moisture absorption, package damage and dust dispersion. Avoid mixing with strong oxidizers/bases during transport.

### SECTION 15: Regulatory Information

- **China:** Compliant with GB 13078.1-2017, included in the "Catalogue of Feed Additives" (Sweeteners).
- **EU:** Compliant with EC 1831/2003 (Feed Additives), REACH registered (not in SVHC List).
- **US:** TSCA listed, approved by FDA/CVM for use in animal feed (21 CFR Part 573).
- **International:** Meets Codex Alimentarius Commission standards for feed additives.

### SECTION 16: Other Information

- **Disclaimer:** This MSDS is for feed grade saccharin only. Misuse for non-feed purposes is at the user's sole risk. The supplier is not liable for damages resulting from improper handling or disposal.
- **Revision Date:** 24 FEB 2026