



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 Sodium Saccharin**(Compliant with GB/T 16483, GHS Rev.9, IMDG, IATA)**Revision**

Date: 22 FEB 2026

SECTION 1: Identification

1.1 Product Identifiers

- Name: Sodium Saccharin (Feed Grade)
- CAS: 6155-57-3
- Synonyms: Saccharin Sodium Salt Dihydrate; 1,2-Benzisothiazol-3(2H)-one 1,1-dioxide sodium salt
- EINECS: 204-886-1

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 (high-efficiency non-nutritive sweetener)**. Improves feed palatability, increases feed intake of young animals, and masks the bitter taste of feed ingredients. Not for human food, pharmaceutical or industrial use.

SECTION 2: Hazards Identification

- **GHS Classification:** Eye irritation (Category 2); Specific target organ toxicity - single exposure (respiratory tract irritation, Category 3)
- **Pictogram:** (Exclamation Mark)
- **Signal Word:** Warning
- **Hazard Statements:**
 - H319: Causes serious eye irritation
 - H335: May cause respiratory irritation
- **Precautionary Statements:**
 - P261: Avoid breathing dust
 - P280: Wear eye protection/face protection
 - P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing

Summary: Non-flammable solid feed additive. More water-soluble than saccharin. May cause eye irritation and mild respiratory discomfort from dust inhalation. Non-toxic to animals at approved feed inclusion levels.

SECTION 3: Composition/Information on Ingredients

- **Pure Substance:** Sodium Saccharin (dihydrate) (CAS 6155-57-3)
- **Concentration:** ≥99.0% (Feed Grade)



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

SECTION 4: First Aid Measures

- **Inhalation:** Move the victim to fresh air and keep at rest. If coughing or chest tightness persists, seek medical advice.
- **Skin Contact:** Rinse contaminated skin with plenty of running water. No significant skin irritation is expected; dry the area thoroughly.
- **Eye Contact:** Hold eyelids open and rinse continuously with clean running water for at least 15 minutes. Remove contact lenses if worn. If irritation persists, consult an ophthalmologist immediately.
- **Ingestion (Human):** Rinse mouth with water. Drink a small amount of water to dilute. Do not induce vomiting. Seek medical attention only if gastrointestinal discomfort occurs.
- **Antidote:** No specific antidote. Treat symptomatically.

SECTION 5: Firefighting Measures

- **Extinguishing Media:** Water spray, carbon dioxide (CO₂), dry chemical powder, foam. All common agents are suitable.
- **Hazards in Fire:** Decomposes at high temperatures (>220°C) to produce toxic sulfur oxides (SO_x), nitrogen oxides (NO_x) and sodium oxide fumes. No explosion risk.
- **Firefighter Advice:** Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective gear. Cool surrounding containers with water spray to prevent thermal expansion. Avoid inhaling combustion fumes.

SECTION 6: Accidental Release Measures

- **Personal Precautions:** Wear N95 dust mask, nitrile gloves and chemical splash goggles during cleanup. Ensure good ventilation in the spill 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. The product is poorly biodegradable; collect and dispose of as solid waste.

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 with soap and water after handling.
- **Storage Conditions:**
 - Temperature: ≤25°C; Relative Humidity: ≤60%
 - Package: Keep tightly sealed in original moisture-proof paper drums with double PE inner liners (prevents deliquescence).

- Shelf Life: **36 months (unopened, under specified conditions)**
- Incompatibilities: Strong oxidizing agents, strong acids
- Segregation: Store separately from strong oxidizers/acids and non-feed grade chemicals; mark "FEED GRADE" clearly.

SECTION 8: Exposure Controls/Personal Protection

- **Occupational Exposure Limit (OEL):** TWA 10 mg/m³ (ACGIH, for saccharin compounds)
- **Engineering Controls:** Local exhaust ventilation systems in bulk handling areas to control dust concentration below the limit value.
- **Personal Protective Equipment (PPE):**
 - Respiratory: N95 dust mask (required for bulk handling)
 - Eyes: Chemical splash goggles (mandatory for all operations)
 - Skin: Nitrile rubber gloves (optional for routine handling)

SECTION 9: Physical and Chemical Properties

- **Physical State:** White crystalline powder | **Odor:** Odorless
- **Melting Point:** Loses water at ~100°C, decomposes >220°C | **Boiling Point:** N/A (decomposes)
- **Solubility:** **Freely soluble in water (100 g/100 mL at 25°C)** (far higher than saccharin); soluble in ethanol
- **Bulk Density:** 1.28-1.32 g/cm³ | **Flash Point:** Not applicable (non-combustible)
- **Vapor Pressure:** <0.0001 kPa (25°C) | **pH Value:** 7.0-9.0 (10% aqueous solution)

SECTION 10: Stability and Reactivity

- **Stability:** Stable under normal feed production and storage conditions. Excellent thermal stability during pelleting; retains sweetness after high-temperature processing.
- **Hazardous Reactions:** Reacts with strong acids to form insoluble saccharin; reacts with strong oxidizers at high temperatures to produce toxic fumes.
- **Hazardous Polymerization:** Will not occur.
- **Decomposition Products:** Sulfur oxides (SO_x), nitrogen oxides (NO_x), carbon monoxide (CO), sodium oxide (high-temperature decomposition).

SECTION 11: Toxicological Information

- **Acute Toxicity:** Oral (Rat) LD₅₀ = 17,000 mg/kg (Low toxicity); Dermal (Rabbit) LD₅₀ >20,000 mg/kg
- **Skin Irritation:** Mild irritation possible with prolonged contact (Category 3)
- **Eye Irritation:** Causes serious eye irritation (Category 2) due to alkalinity and dust
- **Carcinogenicity:** IARC Classification - Group 3 (not classifiable as to carcinogenicity to humans); approved for feed use globally.
- **Animal Safety:** Safe at approved feed inclusion levels (≤0.01% for most species). Excreted unchanged in urine; no bioaccumulation in animal tissues.

SECTION 12: Ecological Information

- **Aquatic Toxicity:** LC₅₀ (Zebrafish, 96h) = 6,500 mg/L (Slightly toxic at very high concentrations)



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- **Biodegradability:** Poorly biodegradable ($BOD_5 / COD < 0.1$)
- **Bioaccumulation Potential:** Low ($\log P = -2.3$)
- **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 sodium saccharin is 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 with water, then recycle or dispose of as non-hazardous waste.
- **Disposal Compliance:** Comply with China General Solid Waste Pollution Control Law and local environmental regulations.

SECTION 14: Transport Information

- **UN Number:** None (Non-hazardous goods for transport)
- **UN Proper Shipping Name:** Sodium 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 (deliquescence), package damage and dust dispersion. Avoid mixing with strong acids/oxidizers 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 sodium 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:** 22 FEB 2026