



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
Product Name: Taurine (Feed Grade)
Revision Date: 26 FEB 2026

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

1.1 Product Identifiers

- Product Name: Taurine (Feed Grade)
- Product Number: TAU-F20260228
- Brand: SIGALD
- CAS-No.: 107-35-7
- Synonyms: 2-Aminoethanesulfonic acid; Taurinic acid
- Molecular Formula: $C_2H_7NO_3S$
- Molecular Weight: 125.15 g/mol

1.2 Details of the supplier of the safety data sheet

- 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

- Emergency Phone #: +86-021-50350029 (CHEMTREC)

1.4 Relevant Identified Uses and Uses Advised Against

- Identified Uses: Feed additive for livestock, poultry and aquaculture; nutritional supplement for animal feed premixes.
- Uses Advised Against: Not for pharmaceutical, medical, or direct human oral consumption; no use in cosmetic products.

SECTION 2: Hazards Identification

- **GHS Classification:** Not a hazardous substance or mixture (GHS 0 category)
- **GHS Label Elements:** No hazard pictogram; No signal word; No hazard statements; No precautionary statements
- **Physical and Chemical Hazards:** No physical or chemical hazards based on current information; non-combustible, no explosion risk.
- **Health Hazards:** No acute or chronic health hazards; mild eye irritation may occur in sensitive individuals upon direct contact with powder.
- **Environmental Hazards:** Environmentally friendly; fully biodegradable; no adverse effects on aquatic organisms and soil microorganisms.
- **Other Hazards:** No additional hazards identified.

SECTION 3: Composition/Information on Ingredients

- **Substance / Mixture:** Pure substance
- **Active Component:** Taurine (100%, CAS 107-35-7)



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- **Hazardous Ingredients:** None (all components are non-hazardous)

SECTION 4: First Aid Measures

4.1 Description of First-Aid Measures

- If Inhaled: Move to fresh air if discomfort occurs; no special treatment needed for normal inhalation.
- In Case of Skin Contact: Rinse skin with running water for 3-5 minutes; remove contaminated clothing and wash before reuse.
- In Case of Eye Contact: Rinse eyes thoroughly with plenty of running water for 5-10 minutes; remove contact lenses if present; consult a doctor if irritation persists.
- If Swallowed: Rinse mouth with water; give plenty of water to drink; do not induce vomiting; consult a doctor only if gastrointestinal discomfort occurs.

4.2 Most Important Symptoms and Effects

- Acute Effects: Mild transient eye irritation in sensitive individuals; no other acute toxic effects.
- Delayed Effects: No known delayed toxic effects based on current data.

4.3 **Immediate Medical Attention:** No specific medical treatment required; treat

symptomatically if needed. 4.4 **Notes to Physician:** Inform the physician of the product composition if medical consultation is required.

SECTION 5: Firefighting Measures

5.1 **Extinguishing Media:** Suitable - Water spray, foam, carbon dioxide (CO₂), dry powder;

Unsuitable - No limitations of extinguishing agents. 5.2 **Special Hazards Arising from the**

Substance: Non-combustible; no hazardous combustion gases generated (only CO₂, H₂O, N₂ and SO₂ in trace amounts upon extreme high-temperature combustion). 5.3 **Advice for**

Firefighters: Wear standard fire-fighting gear; no special protective equipment required.

SECTION 6: Accidental Release Measures

6.1 **Personal Precautions:** Wear dust mask and nitrile gloves if large amounts of powder are spilled; ensure good ventilation. 6.2 **Environmental Precautions:** No special environmental

precautions; the product is non-polluting and biodegradable. 6.3 **Methods for Clean-Up:**

- Small Spill: Sweep up the powder and collect in a sealed container for reuse or disposal.
- Large Spill: Contain with plastic barriers; transfer to sealed drums for recycling or disposal. 6.4

Reference: For disposal, see Section 13.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

- Operate in a well-ventilated area; avoid dust formation and inhalation during handling.
- Avoid contact with strong oxidizing agents to prevent minor chemical reactions.
- Hygiene Measures: Wash hands after handling; no restrictions on eating/drinking in workplace if hygiene is maintained.

7.2 Conditions for Safe Storage



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- Storage Conditions: Store in a cool, dry, well-ventilated warehouse; keep container tightly closed; avoid direct sunlight and high temperatures (storage temperature $\leq 30^{\circ}\text{C}$).
- Incompatibilities: Strong oxidizing agents (e.g., hydrogen peroxide, potassium permanganate).
- Storage Class (TRGS 510): 13 (Non-Hazardous Solids)
- Shelf Life: 24 months (unopened, under specified storage conditions).

SECTION 8: Exposure Controls/Personal Protection

8.1 **Control Parameters:** No occupational exposure limits for taurine (no relevant national/international standards).8.2 **Exposure Controls**

- Engineering Controls: Basic ventilation is sufficient; local exhaust ventilation recommended if large-scale powder processing causes dust accumulation.
- Personal Protective Equipment (PPE):
 - Eye/Face Protection: Safety glasses recommended for large-scale handling to avoid powder splashing into eyes.
 - Skin Protection: Nitrile rubber gloves recommended for prolonged contact.
 - Respiratory Protection: Dust mask (FFP1) recommended if dust concentration is high; not required under normal handling conditions.
- Environmental Exposure: No special environmental exposure controls required.

SECTION 9: Physical and Chemical Properties

a) Physical State: Crystalline powder
b) Color: White to off-white
c) Odor: Odorless
d) Melting Point/Freezing Point: $305 - 307^{\circ}\text{C}$ (decomposes)
e) Boiling Point: Not applicable (decomposes before boiling)
f) Flammability: Non-combustible
g) Flammability Limits: Not applicable
h) Flash Point: Not applicable
i) Autoignition Temperature: $> 400^{\circ}\text{C}$
j) Decomposition Temperature: $\geq 300^{\circ}\text{C}$
k) pH Value (5% in H_2O , 25°C): 4.0 - 6.0
l) Viscosity: Not applicable (solid)
m) Water Solubility: Freely soluble in water ($\approx 100 \text{ g/L}$ at 25°C)
n) Solubility in Organic Solvents: Slightly soluble in ethanol; insoluble in ether, chloroform
o) Vapor Pressure (25°C): Negligible ($< 0.001 \text{ hPa}$)
p) Density (25°C , solid): 1.734 g/cm^3
q) Bulk Density: 0.6 - 0.8 g/cm^3
r) Explosive Properties: Not explosives
s) Oxidizing Properties: None

SECTION 10: Stability and Reactivity

10.1 **Chemical Stability:** Stable under recommended storage and use conditions ($\leq 30^{\circ}\text{C}$, sealed, dry).
10.2 **Possibility of Hazardous Reactions:** No hazardous reactions under normal use and handling conditions.
10.3 **Conditions to Avoid:** High temperature ($> 300^{\circ}\text{C}$), direct sunlight (for long-term storage), contact with strong oxidizing agents.
10.4 **Incompatible Materials:** Strong oxidizing agents, concentrated strong acids.
10.5 **Hazardous Decomposition Products:** No hazardous decomposition products; decomposes into non-toxic gases (CO_2 , H_2O , N_2 , SO_2) at extreme high temperatures.

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

- Acute Toxicity: Oral (Rat, LD₅₀) > 10,000 mg/kg; Dermal (Rabbit, LD₅₀) > 10,000 mg/kg; Inhalation (Rat, LC₅₀) > 20 mg/m³ (4-hour exposure)
- Skin Corrosion/Irritation: No irritation (Rabbit, 4-hour exposure)
- Serious Eye Damage/Eye Irritation: Mild transient irritation (Rabbit, 24-hour exposure; reversible)
- Respiratory/Skin Sensitization: No sensitizing effects
- Germ Cell Mutagenicity: No data available; no mutagenic effects reported
- Carcinogenicity: Not classified as carcinogenic by IARC, EPA, or NTP
- Reproductive Toxicity: No reproductive toxic effects in animal tests
- Specific Target Organ Toxicity: No target organ toxicity (single/repeated exposure)
- Aspiration Hazard: Low (solid powder, no aspiration risk for animals/humans)

11.2 **Additional Information:** The toxicological properties have been sufficiently studied for safe use as a feed additive.

SECTION 12: Ecological Information

12.1 **Toxicity:** Fish (Zebrafish, LC₅₀) > 10,000 mg/L (96-hour exposure); Daphnia (EC₅₀) > 5,000 mg/L (48-hour exposure); Algae (EC₅₀) > 10,000 mg/L (72-hour exposure)

Persistence and Degradability: Fully biodegradable (BOD₅/COD > 0.7) in aquatic and soil environments

12.3 **Bioaccumulative Potential:** No bioaccumulation potential (low

lipophilicity)

12.4 **Mobility in Soil:** Moderate mobility; binds weakly to soil organic matter

12.5 **PBT/vPvB Assessment:** Not classified as PBT/vPvB

12.6 **Endocrine Disrupting Properties:** No data available; no endocrine disrupting effects reported

12.7 **Other Adverse Effects:** No known adverse ecological impacts; can be used safely in aquaculture without water pollution.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

- Product Waste: Uncontaminated waste can be reused as feed additive; contaminated waste dispose of through licensed waste treatment facilities in accordance with local/national/international regulations.
 - Packaging Waste: Rinse packaging thoroughly with water; dispose of as non-hazardous waste or recycle.
- 13.2 **Disposal Notes:** Do not discharge directly into water bodies or soil (though non-toxic, follow general environmental regulations).

SECTION 14: Transport Information

14.1 **UN Number:** ADR/RID: -; IMDG: -; IATA-DGR: -

14.2 **UN Proper Shipping Name:** ADR/RID: Not dangerous goods; IMDG: Not dangerous goods; IATA-DGR: Not dangerous goods

14.3 **Transport Hazard Class(es):** ADR/RID: -; IMDG: -; IATA-DGR: -

14.4 **Packaging Group:** ADR/RID: -; IMDG: -; IATA-DGR: -

14.5 **Environmental Hazards:** ADR/RID: No; IMDG Marine Pollutant: No; IATA-DGR: No

14.6 **Special Precautions for User:** Transport at ≤ 30°C; avoid direct sunlight, rain and moisture; prevent package damage and powder leakage.

14.7 **Incompatible Materials:** Avoid transport with strong oxidizing agents, concentrated strong acids.

SECTION 15: Regulatory Information

15.1 National Regulations (China)

- Hazardous Chemical Safety Management Regulation (Non-hazardous classification)
- Feed Hygiene Standard (GB 13078)
- Feed Additive Variety Catalogue (Ministry of Agriculture and Rural Affairs)

15.2 International Regulations

- GHS Classification (Rev. 9): Non-hazardous
 - REACH (EU): Registered; not listed in SVHC Candidate List
 - TSCA (US): Listed on the TSCA Inventory
 - Codex Alimentarius: Approved for use as animal feed additive
- 15.3 **Other Regulations:** Comply with local feed safety and environmental protection regulations.

SECTION 16: Other Information

- **Further Information:** This MSDS is based on current scientific knowledge and complies with GB/T 16483, GB/T 17519, and GHS standards. It is intended for safe handling, storage, transport, and disposal of feed grade taurine. The supplier is not liable for damage caused by improper use or non-compliance with safety precautions.
- **Revision History:** First version (26 FEB 2026)