



# 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)

### SECTION 1: Identification

#### 1.1 Product Identifiers

- Product Name: Sodium Sulfite
- Product Number: SUS-20260207
- Brand: SIGALD
- CAS-No.: 7681-57-4
- Synonyms: Sodium Sulphite; Sulfurous Acid Disodium Salt

#### 1.2 Details of the supplier of the safety data sheet

- Company : NEWAY SINOPHC TECH. LIMITED
- 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 Uses

- Identified Uses: Food additive (preservative, antioxidant), water treatment (oxygen scavenger), pulp bleaching, chemical synthesis, photography.
- Uses Advised Against: Direct oral consumption without food grade certification; contact with strong oxidizing agents without protection.

### SECTION 2: Hazards Identification

2.1 GHS Classification: Acute toxicity (oral, Category 4); Skin irritation (Category 2); Eye irritation (Category 2A); Aquatic toxicity (Category 1)2.2 GHS Label Elements

- Hazard Pictogram: GHS07 (Exclamation mark), GHS09 (Environment)
- Signal Word: Warning
- Hazard Statements: H302 (Harmful if swallowed), H315 (Causes skin irritation), H319 (Causes serious eye irritation), H400 (Very toxic to aquatic life)
- Precautionary Statements: P264 (Wash hands thoroughly after handling), P280 (Wear protective gloves/eye protection), P270 (Do not eat/drink when using), P273 (Avoid release to environment)

### SECTION 3: Composition

- Substance: Pure Substance
- Formula:  $\text{Na}_2\text{SO}_3$
- Molecular Weight: 126.04 g/mol
- Concentration:  $\geq 97.0\%$  ( $\text{Na}_2\text{SO}_3$ )



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### SECTION 4: First Aid Measures

- Inhaled: Move to fresh air. If coughing persists, consult a doctor.
- Skin Contact: Rinse skin with running water for 10 minutes; remove contaminated clothing.
- Eye Contact: Rinse with plenty of water for 10-15 minutes. Consult a doctor if irritation remains.
- Swallowed: Rinse mouth with water; do not induce vomiting. Call a poison center/doctor.

### SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, CO<sub>2</sub>, dry powder.
- Special Hazards: Non-combustible; decomposes at high temperature ( $\geq 300^{\circ}\text{C}$ ) releasing sulfur dioxide.
- Firefighter Protection: Wear standard fire-fighting gear and breathing apparatus.

### SECTION 6: Accidental Release Measures

- Personal Precautions: Wear gloves, eye protection, dust mask.
- Environmental Precautions: Prevent runoff into waterways.
- Cleanup Methods: Sweep up with inert materials; transfer to sealed containers.

### SECTION 7: Handling and Storage

- Handling: Operate in well-ventilated area; avoid contact with strong oxidizing agents, acids.
- Storage Conditions: Cool, dry, well-ventilated warehouse ( $\leq 30^{\circ}\text{C}$ ); keep sealed; away from oxidizing agents.
- Shelf Life: 24 months (unopened).

### SECTION 8: Exposure Controls/Personal Protection

- PPE: Nitrile gloves, safety goggles, dust mask (large-scale handling).
- Engineering Controls: Good ventilation, local exhaust system.

### SECTION 9: Physical and Chemical Properties

- Physical State: Crystalline powder/granules
- Color: White
- Odor: Faint sulfur dioxide odor
- Solubility: Soluble in water (26 g/100 mL at 20°C)
- pH (5% solution): 8.0-10.0
- Density (25°C): 2.63 g/cm<sup>3</sup>
- Melting Point: 33.4°C (hydrate); Decomposes at  $\geq 300^{\circ}\text{C}$  (anhydrous)

### SECTION 10: Stability and Reactivity

- Stable under normal storage. Incompatible with strong oxidizing agents, acids, heavy metal salts.

### SECTION 11: Toxicological Information

- Oral LD<sub>50</sub> (Rat): 1500 mg/kg; Skin/Eye Irritation: Mild to moderate.

### SECTION 12: Ecological Information

- Very toxic to aquatic life; not biodegradable.

### SECTION 13: Disposal Considerations



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- Dispose via licensed waste facilities; neutralize before disposal.

### **SECTION 14: Transport Information**

- UN Number: UN1500
- Transport Hazard Class: 8 (Corrosive substances)
- Packaging Group: III

### **SECTION 15: Regulatory Information**

- Complies with GHS, REACH, TSCA, FDA (Food Additive), EU E-number (E221).

### **SECTION 16: Other Information**

- Revision Date: 07 FEB 2026

