



# 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 Sulfide
- Product Number: SNS-20260228
- Brand: SIGALD
- CAS-No.: 1313-82-2
- Synonyms: Sodium Sulphide; Hydrated Sodium Sulfide

#### 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: Chemical synthesis, dyeing and printing, leather processing, wastewater treatment, ore flotation.
- Uses Advised Against: Unauthorized use; contact with acids without protection.

### SECTION 2: Hazards Identification

2.1 GHS Classification: Skin corrosion (Category 1A); Eye damage (Category 1); Aquatic toxicity (Category 1); Respiratory irritation (Category 3)

2.2 GHS Label Elements

- Hazard Pictogram: GHS05 (Corrosion), GHS09 (Environment)
- Signal Word: Danger
- Hazard Statements: H314 (Causes severe skin burns and eye damage), H335 (May cause respiratory irritation), H400 (Very toxic to aquatic life)
- Precautionary Statements: P260 (Do not breathe dust/fume/gas), P280 (Wear protective gloves/protective clothing/eye protection/face protection), P305+P351+P338 (If in eyes: Rinse cautiously with water), P310 (Immediately call a poison center or doctor)

### SECTION 3: Composition

- Substance: Pure Substance
- Formula:  $\text{Na}_2\text{S} \cdot 9\text{H}_2\text{O}$
- Molecular Weight: 240.18 g/mol
- Concentration:  $\geq 98.0\%$  ( $\text{Na}_2\text{S} \cdot 9\text{H}_2\text{O}$ )

### SECTION 4: First Aid Measures

- Inhaled: Move to fresh air. If breathing is difficult, give oxygen. Consult a doctor immediately.



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- Skin Contact: Immediately remove contaminated clothing, rinse skin thoroughly with plenty of running water for 15-20 minutes. Consult a doctor.
- Eye Contact: Hold eyes open, rinse thoroughly with large amounts of running water for 15-20 minutes. Immediately call a doctor.
- Swallowed: Do not induce vomiting. Rinse mouth with water. Immediately call a poison center or doctor.

### SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, dry powder, CO<sub>2</sub>.
- Special Hazards: Non-combustible. Reacts with acids to release toxic hydrogen sulfide gas.
- Firefighter Protection: Wear full protective equipment and self-contained breathing apparatus.

### SECTION 6: Accidental Release Measures

- Personal Precautions: Wear chemical protective suit, gloves, eye/face protection, respiratory protection.
- Environmental Precautions: Prevent runoff into waterways.
- Cleanup Methods: Sweep up with inert material (sand, vermiculite), transfer to sealed containers for disposal. Neutralize with dilute acid under controlled conditions.

### SECTION 7: Handling and Storage

- Handling: Use in well-ventilated area. Avoid contact with skin, eyes, respiratory tract, and acids.
- Storage: Store in cool, dry, well-ventilated warehouse. Keep container tightly closed. Avoid moisture and acids. Storage temperature  $\leq 30^{\circ}\text{C}$ .
- Shelf Life: 18 months (unopened, proper storage).

### SECTION 8: Exposure Controls/Personal Protection

- PPE: Chemical-resistant suit, nitrile gloves, chemical splash goggles, face shield, respiratory protection (P2/N95).
- Engineering Controls: Good ventilation, local exhaust system.

### SECTION 9: Physical and Chemical Properties

- Physical State: Crystalline solid/flakes
- Color: Colorless to pale yellow
- Odor: Rotten egg smell (due to slight hydrolysis)
- Melting Point:  $50^{\circ}\text{C}$  (loses water)
- Solubility: Highly soluble in water (186 g/100 mL at  $20^{\circ}\text{C}$ ); soluble in alcohols.
- pH (1% solution):  $\geq 12$
- Density:  $1.43 \text{ g/cm}^3$  ( $25^{\circ}\text{C}$ )

### SECTION 10: Stability and Reactivity

- Stable under dry conditions. Incompatible with acids, oxidizing agents, heavy metal salts.

### SECTION 11: Toxicological Information

- Oral LD<sub>50</sub> (Rat): 208 mg/kg
- Skin Corrosion: Severe corrosion.



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- Eye Damage: Severe eye damage.

### **SECTION 12: Ecological Information**

- Aquatic Toxicity: Very toxic to fish (LC<sub>50</sub> < 1 mg/L, 96h).
- Biodegradability: Not biodegradable.

### **SECTION 13: Disposal Considerations**

- Dispose in accordance with local regulations. Neutralize with dilute acid before disposal.

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

- UN Number: UN1849
- Transport Hazard Class: 8 (Corrosive substances)
- Packaging Group: II

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

- Complies with GHS, REACH, TSCA regulations.

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

- Revision Date: 28 FEB 2026



纳维盈医化科技  
NEWAY SINOPHC TECH