



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 Diethyldithiocarbamate
- Product Number: SDDC-20260212
- Brand: SIGALD
- CAS-No.: 148-18-5
- Synonyms: Dithiocarbamic acid, diethyl-, sodium salt; NaDDC

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: Water treatment (heavy metal chelating agent), analytical reagent, rubber vulcanization accelerator, pesticide intermediate.
- Uses Advised Against: Direct oral consumption; unauthorized medical use.

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), P270 (Do not eat/drink when using), P273 (Avoid release to environment), P280 (Wear protective gloves/eye protection)

SECTION 3: Composition

- Substance: Pure Substance
- Formula: $C_5 H_{10} NNaS_2$
- Molecular Weight: 171.26 g/mol
- Concentration: $\geq 98.0\%$ ($C_5 H_{10} NNaS_2$)

SECTION 4: First Aid Measures

- Inhaled: Move to fresh air. Consult a doctor if symptoms persist.



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>

- 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, CO₂, dry powder.
- Special Hazards: Non-combustible; decomposes at high temperature ($\geq 150^{\circ}\text{C}$) releasing toxic fumes.
- Firefighter Protection: Wear full protective 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 dust inhalation.
- Storage Conditions: Cool, dry, well-ventilated warehouse ($\leq 30^{\circ}\text{C}$); keep sealed.
- 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, dust collection system.

SECTION 9: Physical and Chemical Properties

- Physical State: Crystalline powder
- Color: White to pale yellow
- Odor: Faint amine odor
- Melting Point: Decomposes at $\sim 150^{\circ}\text{C}$
- Solubility: Soluble in water (100 g/100 mL at 20°C)
- pH (5% solution): 8.5-10.5
- Density (25°C): 1.28 g/cm³

SECTION 10: Stability and Reactivity

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

SECTION 11: Toxicological Information

- Oral LD₅₀ (Rat): 300 mg/kg; Skin Irritation: Mild to moderate.

SECTION 12: Ecological Information

- Very toxic to aquatic life; not biodegradable.

SECTION 13: Disposal Considerations

- Dispose via licensed waste facilities; neutralize before disposal.

SECTION 14: Transport Information

- UN Number: UN3077



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>

- Transport Hazard Class: 9 (Miscellaneous dangerous goods)
- Packaging Group: III

SECTION 15: Regulatory Information

- Complies with GHS, REACH, TSCA.

SECTION 16: Other Information

- Revision Date: 12 FEB 2026



纳维盈医化科技
NEWAY SINOPHC TECH