



# 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: N,N-Dimethylethanolamine
- Product Number: DMEA-20260216
- Brand: SIGALD
- CAS-No.: 108-01-0
- Synonyms: DMEA; 2-Dimethylaminoethanol

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

- Company : NEWAY SINOPHC TECH. LIMITED
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- 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, coatings (amine catalyst), cosmetics (pH adjuster), pharmaceuticals, textile auxiliaries.
- Uses Advised Against: Direct oral consumption; contact with strong oxidizing agents without protection.

### SECTION 2: Hazards Identification

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

- Hazard Pictogram: GHS07 (Exclamation mark), GHS09 (Environment)
- Signal Word: Warning
- Hazard Statements: H315 (Causes skin irritation), H319 (Causes serious eye irritation), H302 (Harmful if swallowed), H411 (Toxic to aquatic life with long-lasting effects)
- Precautionary Statements: P264 (Wash hands thoroughly after handling), P280 (Wear protective gloves/eye protection), P270 (Do not eat/drink when using), P305+P351+P338 (If in eyes: Rinse cautiously with water)

### SECTION 3: Composition

- Substance: Pure Substance
- Formula:  $C_4H_{11}NO$
- Molecular Weight: 89.14 g/mol
- Concentration:  $\geq 99.0\%$  ( $C_4H_{11}NO$ )

### SECTION 4: First Aid Measures



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- Inhaled: Move to fresh air. Consult a doctor if symptoms persist.
- 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: Flammable (flash point 41 °C); combustion releases toxic fumes.
- Firefighter Protection: Wear full protective gear and breathing apparatus.

### SECTION 6: Accidental Release Measures

- Personal Precautions: Wear gloves, eye protection, respiratory protection (if vapor is present).
- Cleanup Methods: Small spill: absorb with inert materials; large spill: contain and transfer to sealed containers.

### SECTION 7: Handling and Storage

- Handling: Operate in well-ventilated area; avoid sparks, heat, open flames.
- Storage Conditions: Cool, 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, chemical splash goggles, respirator (vapor exposure).
- Engineering Controls: Good ventilation, local exhaust system.

### SECTION 9: Physical and Chemical Properties

- Physical State: Liquid
- Color: Colorless to pale yellow
- Odor: Amine-like odor
- Boiling Point: 133-135 °C
- Melting Point: -59 °C
- Flash Point: 41 °C (Closed Cup)
- Solubility: Fully miscible with water, alcohols, ethers
- pH (1% solution): 10.0-12.0
- Density (25 °C): 0.887 g/cm<sup>3</sup>

### SECTION 10: Stability and Reactivity

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

### SECTION 11: Toxicological Information

- Oral LD<sub>50</sub> (Rat): 1370 mg/kg; Skin/Eye Irritation: Moderate.

### SECTION 12: Ecological Information

- Toxic to aquatic life; not biodegradable.

### SECTION 13: Disposal Considerations

- Dispose via licensed waste facilities; incinerate with scrubbing systems.



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### SECTION 14: Transport Information

- UN Number: UN2051
- Transport Hazard Class: 3 (Flammable liquids)
- Packaging Group: III

### SECTION 15: Regulatory Information

- Complies with GHS, REACH, TSCA.

### SECTION 16: Other Information

- Revision Date: 16 FEB 2026

