



# 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: Magnesium Chloride
- Product Number: MGC-20260203
- Brand: SIGALD
- CAS-No.: 7786-30-3
- Synonyms: Magnesium Dichloride Hexahydrate

#### 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: Deicing agent, dust control, food additive (firming agent), pharmaceuticals, concrete additive, animal feed supplement.
- Uses Advised Against: Excessive use in food; direct contact with strong alkalis without protection.

### SECTION 2: Hazards Identification

2.1 GHS Classification: Eye irritation (Category 2A); Skin irritation (Category 2); 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), H411 (Toxic to aquatic life with long-lasting effects)
- Precautionary Statements: P264 (Wash hands thoroughly after handling), P280 (Wear protective gloves/eye protection), P273 (Avoid release to environment)

### SECTION 3: Composition

- Substance: Pure Substance
- Formula:  $MgCl_2 \cdot 6H_2O$
- Molecular Weight: 203.30 g/mol
- Concentration:  $\geq 98.0\%$  ( $MgCl_2 \cdot 6H_2O$ )

### SECTION 4: First Aid Measures

- Inhaled: Move to fresh air. If coughing persists, consult a doctor.



# 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. Seek medical advice if large amounts are ingested.

## SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, CO<sub>2</sub>, dry powder.
- Special Hazards: Non-combustible; no hazardous combustion products.
- Firefighter Protection: Wear standard fire-fighting gear.

## SECTION 6: Accidental Release Measures

- Personal Precautions: Wear gloves, eye protection.
- 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 alkalis.
- Storage Conditions: Cool, dry, well-ventilated warehouse ( $\leq 30^{\circ}\text{C}$ ); keep sealed.
- Shelf Life: 36 months (unopened).

## SECTION 8: Exposure Controls/Personal Protection

- PPE: Nitrile gloves, safety goggles.
- Engineering Controls: Basic ventilation.

## SECTION 9: Physical and Chemical Properties

- Physical State: Crystalline powder/granules
- Color: White
- Odor: Odorless
- Solubility: Highly soluble in water (159 g/100 mL at 20°C)
- pH (5% solution, 25°C): 4.0-6.0
- Density (25°C): 1.56 g/cm<sup>3</sup>
- Melting Point: 117°C (loses water)

## SECTION 10: Stability and Reactivity

- Stable under normal storage. Incompatible with strong alkalis, silver salts.

## SECTION 11: Toxicological Information

- Oral LD<sub>50</sub> (Rat): 2800 mg/kg; Skin/Eye Irritation: Mild to moderate.

## SECTION 12: Ecological Information

- Toxic to aquatic life; not biodegradable.

## SECTION 13: Disposal Considerations

- Dispose via licensed waste facilities; comply with local regulations.

## SECTION 14: Transport Information

- UN Number: Not dangerous goods
- Transport Hazard Class: -



## 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>

---

- Special Precautions: Avoid moisture, collision.

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

- Complies with GHS, REACH, TSCA, FDA (Food Additive), EU E-number (E511).

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

- Revision Date: 03 FEB 2026



纳维盈医化科技  
NEWAY SINOPHC TECH