



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: Calcium Chloride
- Product Number: CAC-20260215
- Brand: SIGALD
- CAS-No.: 10043-52-4
- Synonyms: Calcium Dichloride

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: Deicing agent, dust control, concrete accelerator, water treatment (hardening agent), food additive (firming agent), chemical synthesis.
- Uses Advised Against: Excessive use in food; direct contact with sensitive materials.

SECTION 2: Hazards Identification

2.1 GHS Classification: Skin corrosion/irritation (Category 2); Eye damage/irritation (Category 2A); Serious eye damage (Category 1)

- Hazard Pictogram: GHS07 (Exclamation mark)
- Signal Word: Warning
- Hazard Statements: H315 (Causes skin irritation), H318 (Causes serious eye damage)
- Precautionary Statements: P264 (Wash hands thoroughly after handling), P280 (Wear protective gloves/eye protection), P305+P351+P338 (If in eyes: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do), P310 (Immediately call a poison center or doctor)

SECTION 3: Composition

- Substance: Pure Substance
- Formula: $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$
- Molecular Weight: 147.02 g/mol
- Concentration: $\geq 97.0\%$ ($\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$)

SECTION 4: First Aid Measures

- Inhaled: Move to fresh air. If coughing or discomfort occurs, consult a doctor.



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

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, dry powder, CO₂.
- 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, protective clothing.
- Cleanup Methods: Sweep up, transfer to sealed containers. Avoid contact with water (exothermic reaction).

SECTION 7: Handling and Storage

- Handling: Avoid dust inhalation. Wear protective equipment. Do not mix with strong acids.
- Storage: Store in cool, dry, well-ventilated area. Keep container tightly closed.
- Shelf Life: 24 months (unopened, proper storage).

SECTION 8: Exposure Controls/Personal Protection

- PPE: Nitrile gloves, chemical splash goggles, protective clothing (for large-scale handling).
- Engineering Controls: Good ventilation.

SECTION 9: Physical and Chemical Properties

- Physical State: Flake/granular
- Color: White
- Odor: Odorless
- Melting Point: 30°C (anhydrous: 772°C)
- Boiling Point: 1600°C (anhydrous)
- Solubility: Highly soluble in water (745 g/L at 20°C), exothermic.
- pH (5% solution): 7.0-9.0
- Density: 1.85 g/cm³ (25°C)
- Hygroscopicity: Highly hygroscopic.

SECTION 10: Stability and Reactivity

- Stable under normal conditions. Incompatible with strong acids, oxalic acid, sodium carbonate.

SECTION 11: Toxicological Information

- Oral LD₅₀ (Rat): 1000 mg/kg
- Skin Irritation: Causes moderate to severe irritation.
- Eye Damage: Causes serious eye damage.

SECTION 12: Ecological Information



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- Aquatic Toxicity: Low to moderate toxicity to aquatic organisms.
- Biodegradability: Not biodegradable.

SECTION 13: Disposal Considerations

- Dispose in accordance with local regulations. Avoid discharge into water.

SECTION 14: Transport Information

- UN Number: UN1789
- Transport Hazard Class: 8 (Corrosive substances)
- Packaging Group: III

SECTION 15: Regulatory Information

- Complies with GHS, REACH, TSCA, FDA (for food grade) regulations.

SECTION 16: Other Information

- Revision Date: 15 FEB 2026



纳维盈医化科技
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