



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 Bromide
- Product Number: CABR-20260214
- Brand: SIGALD
- CAS-No.: 7789-41-5
- Synonyms: Calcium Dibromide; Calcium Bromide Dihydrate

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: Oilfield drilling fluid additive, refrigeration brine, pharmaceutical intermediate, photography, fire retardant.
- Uses Advised Against: Direct oral consumption; excessive use in food.

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: $\text{CaBr}_2 \cdot 2\text{H}_2\text{O}$
- Molecular Weight: 235.98 g/mol
- Concentration: $\geq 98.0\%$ ($\text{CaBr}_2 \cdot 2\text{H}_2\text{O}$)

SECTION 4: First Aid Measures

- Inhaled: Move to fresh air. Consult a doctor if coughing persists.
- Skin Contact: Rinse skin with running water for 10 minutes.



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- 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.

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, CO₂, 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 acids.
- 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
- Melting Point: 730°C (anhydrous)
- Solubility: Soluble in water (125 g/100 mL at 20°C)
- pH (5% solution, 25°C): 6.0-8.0
- Density (25°C): 2.23 g/cm³

SECTION 10: Stability and Reactivity

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

SECTION 11: Toxicological Information

- Oral LD₅₀ (Rat): 3100 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: -
- Special Precautions: Avoid moisture, collision.

SECTION 15: Regulatory Information



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- Complies with GHS, REACH, TSCA.

SECTION 16: Other Information

- Revision Date: 14 FEB 2026

