



# 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)

### Sodium Dichloroisocyanurate (SDIC)

#### SECTION 1: Identification

##### 1.1 Product Identifiers

- Product Name: Sodium Dichloroisocyanurate (SDIC)
- Product Number: SDIC-CAS2893789-202709
- Brand: SIGALD
- CAS-No.: 2893-78-9
- Synonyms: Dichloroisocyanuric Acid Sodium Salt; SDIC; Chlorinated Isocyanurate
- Chemical Family: Halogenated Isocyanurate Salt

##### 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 & Restrictions

- Identified Uses: Water disinfection (municipal sewage, drinking water, swimming pools); surface disinfection (facilities, equipment); bleaching (textiles, paper); wastewater treatment (sterilization, deodorization).
- Uses Advised Against: Pharmaceutical, food processing (direct contact) without approval; mixing with acids, ammonia, or reducing agents.

#### SECTION 2: Hazards Identification

2.1 GHS Classification: Skin corrosion/irritation (Category 1B); Eye damage (Category 1); Oxidizing solid (Category 2); Environmental hazard (Category 1, Aquatic toxicity)2.2 GHS Label Elements

- Hazard Pictogram: (Corrosion) + ☞ (Oxidizer) + (Aquatic hazard)
- Signal Word: DANGER
- Hazard Statements: H314 (Causes severe skin burns and eye damage); H271 (May cause fire or explosion; strong oxidizer); H400 (Very toxic to aquatic life)
- Precautionary Statements: P260, P280, P301+P330+P331, P304+P340, P305+P351+P338, P391, P501

2.3 Physical/Chemical Hazards: Strong oxidizer; reacts violently with acids (releases toxic chlorine gas); incompatible with ammonia, reducing agents, and organic matter; may ignite combustible materials.2.4 Health Hazards: Severe skin/eye burns; inhalation of dust irritates



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respiratory tract; ingestion causes gastrointestinal burns and toxicity.2.5 Environmental Hazards:  
Highly toxic to aquatic organisms; causes long-term adverse effects in aquatic environments.

### SECTION 3: Composition/Information on Ingredients

- Substance/Mixture: Pure Substance | Component | Content (w/w) | CAS-No. | Hazard Classification | |-----|-----|-----|-----| | Sodium Dichloroisocyanurate | ≥ 98.0% | 2893-78-9 | Skin Corros. 1B; Eye Dam. 1; Oxid. Solid 2; Aquatic Toxicity 1 |

### SECTION 4: First Aid Measures

- Inhaled: Move to fresh air; administer oxygen if breathing is difficult; seek medical attention immediately (chlorine gas may cause pulmonary irritation).
- Skin Contact: Remove contaminated clothing; rinse skin with plenty of running water for ≥15 minutes; consult a doctor for burns.
- Eye Contact: Hold eyelids open; rinse with water/normal saline for ≥15 minutes; seek emergency medical help (risk of corneal damage).
- Swallowed: Do not induce vomiting; rinse mouth with water; bring this MSDS to the doctor (caustic and toxic effects risk).

### SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, carbon dioxide (CO<sub>2</sub>), dry powder.
- Unsuitable Media: Do not use water jet on concentrated dust (may disperse and intensify fire).
- Special Hazards: Non-combustible but strong oxidizer; intensifies fire when in contact with organic matter or combustibles; decomposes on heating to release chlorine gas and cyanuric acid fumes.
- Firefighter Advice: Wear self-contained breathing apparatus (SCBA) and full corrosion-resistant protective clothing; cool containers with water spray; avoid inhalation of decomposition fumes.

### SECTION 6: Accidental Release Measures

- Personal Precautions: Wear full PPE (chemical goggles, face shield, nitrile gloves, acid-resistant clothing, dust mask/respirator).
- Environmental Precautions: Prevent runoff into sewers, rivers, or groundwater; contain with sandbags; avoid contamination of aquatic environments.
- Cleanup: Small spill - sweep into sealed containers and neutralize with sodium bisulfite; large spill - dike and transfer to corrosion-resistant tanks for professional treatment.

### SECTION 7: Handling and Storage

- Handling: Operate in well-ventilated area; use local exhaust ventilation to avoid dust accumulation; avoid contact with skin/eyes; do not mix with acids, ammonia, or organic substances.
- Storage: Cool, dry, well-ventilated warehouse (≤30°C); keep container tightly closed; avoid direct sunlight and high humidity; store separately from acids, reducing agents, combustibles, and organic materials.



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- Shelf Life: 24 months (unopened, specified conditions); protect from moisture (absorbs water and loses chlorine content).

### SECTION 8: Exposure Controls/Personal Protection

- Engineering Controls: Install local exhaust ventilation; use closed transfer systems to minimize dust; avoid generating dust.
- Personal Protective Equipment (PPE):
  - Eye/Face Protection: Chemical safety goggles and face shield (EN 166/NIOSH compliant).
  - Skin Protection: Nitrile rubber gloves (0.15mm+ thickness) and acid-resistant protective clothing.
  - Respiratory Protection: Dust mask (FFP2) for powder handling; half-mask respirator with chlorine/acid gas cartridges if vapors are generated.
- Hygiene Measures: Wash hands thoroughly with soap and water after work; do not eat/drink/smoke in the workplace.

### SECTION 9: Physical and Chemical Properties

- Physical State: Solid (crystalline powder/granular); Color: White; Odor: Slight chlorine odor
- pH (1% Solution, 25°C): 5.0-7.0; Melting Point: >240°C (decomposes); Solubility: 25 g/100 mL (20°C, water)
- Density (25°C): 1.70-1.80 g/cm<sup>3</sup>; Particle Size: 80-200 Mesh; Vapor Pressure (25°C): <0.1 hPa
- Decomposition Temperature: >240°C; Oxidizing Properties: Strong oxidizer; Flash Point: Not applicable (non-combustible)

### SECTION 10: Stability and Reactivity

- Stability: Stable under cool, dry, sealed conditions; decomposes on heating, moisture absorption, or contact with acids.
- Incompatibilities: Acids (HCl, H<sub>2</sub>SO<sub>4</sub>), ammonia, reducing agents (Fe<sup>2+</sup>, sulfites), combustibles, and organic matter.
- Hazardous Decomposition Products: Chlorine gas (Cl<sub>2</sub>), cyanuric acid, sodium chloride, nitrogen oxides.

### SECTION 11: Toxicological Information

- Acute Toxicity: Oral (Rat, LD<sub>50</sub>): 403 mg/kg; Dermal (Rabbit, LD<sub>50</sub>): >2000 mg/kg
- Skin/Eye Irritation: Severe skin burns and eye damage (GHS 1B/1).
- Respiratory Toxicity: Inhalation of dust/vapors causes coughing, chest tightness, and mucosal irritation.

### SECTION 12: Ecological Information

- Fish (Zebrafish, LC<sub>50</sub>): 0.3 mg/L (96-hour exposure)
- Daphnia (EC<sub>50</sub>): 0.2 mg/L (48-hour exposure)
- Biodegradability: Biodegradable but toxic to aquatic organisms at low concentrations.

### SECTION 13: Disposal Considerations

- Product Waste: Neutralize with sodium bisulfite to eliminate oxidizing and toxic properties; dispose via licensed hazardous waste treatment facilities.



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- Packaging Waste: Rinse thoroughly with water; dispose as hazardous waste or recycle if permitted.

### SECTION 14: Transport Information

- UN Number: ADR/RID: UN 2465; IMDG: UN 2465; IATA-DGR: UN 2465
- UN Proper Shipping Name: Chloroisocyanurate, dry, sodium salt
- Transport Class: 5.1 (Oxidizer); Packaging Group: II; Environmental Hazards: Yes (Marine Pollutant)
- Special Precautions: Transport in sealed, corrosion-resistant containers; avoid collision, moisture, and mixing with incompatible substances.

### SECTION 15: Regulatory Information

- National Regulations (China): Complies with Hazardous Chemical Safety Management Regulation; meets GB/T 22388-2008.
- International Regulations: GHS Rev.9 (Corrosion 1B, Oxidizer 2, Aquatic Toxicity 1); REACH (EU, not in SVHC List); TSCA (US, listed).

### SECTION 16: Other Information

- Revision Date: 20 JAN 2026
- Disclaimer: Based on current scientific knowledge; supplier not liable for damage caused by improper use.

纳维盈医化科技  
NEWAY SINOPHC TECH