



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: Poly(diallyldimethylammonium chloride)
- Product Number: PDADMAC-20260210
- Brand: SIGALD
- CAS-No.: 26062-79-3
- Synonyms: PDADMAC; Polyquaternium-6

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: Water treatment (flocculant), papermaking (retention aid), textile processing, cosmetics (conditioner), disinfection auxiliary.
- Uses Advised Against: Not for pharmaceutical, medical, or direct oral consumption.

SECTION 2: Hazards Identification

2.1 GHS Classification: Eye irritation (Category 2A); Skin irritation (Category 2) 2.2 GHS Label Elements

- Hazard Pictogram: GHS07 (Exclamation mark)
- Signal Word: Warning
- Hazard Statements: H315 (Causes skin irritation), H319 (Causes serious eye irritation)
- Precautionary Statements: P264 (Wash hands thoroughly after handling), P280 (Wear protective gloves/eye protection), P305+P351+P338 (If in eyes: Rinse cautiously with water)

SECTION 3: Composition

- Substance / Mixture: Polymer Mixture
- Formula: $(C_8 H_{16} NCl)_n$
- Molecular Weight: Variable (10,000-1,000,000 Da)
- Main Components: PDADMAC (40-45%), Deionized Water (55-60%)

SECTION 4: First Aid Measures

- Inhaled: Move to fresh air. If discomfort persists, consult a doctor.
- Skin Contact: Rinse skin with running water for 5 minutes. Remove contaminated clothing; wash before reuse.



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>

- Eye Contact: Rinse with plenty of water for 5-10 minutes. Consult a doctor if irritation persists.
- Swallowed: Rinse mouth with water; do not induce vomiting. Consult a doctor if unwell.

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, CO₂, dry powder.
- Special Hazards: Non-combustible; no hazardous combustion gases.
- Firefighter Protection: Wear standard fire-fighting gear.

SECTION 6: Accidental Release Measures

- Personal Precautions: Wear gloves if direct contact is expected.
- 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 contact with strong acids/bases.
- Storage Conditions: Cool, dark, well-ventilated warehouse ($\leq 30^{\circ}\text{C}$); keep container tightly closed.
- Shelf Life: 12 months (unopened, specified conditions).

SECTION 8: Exposure Controls/Personal Protection

- PPE: Safety glasses (large-scale handling), nitrile gloves (prolonged contact).
- Engineering Controls: Basic ventilation.

SECTION 9: Physical and Chemical Properties

- Physical State: Viscous liquid
- Color: Colorless to pale yellow
- Odor: Odorless
- pH (25°C, 1% solution): 5.0-7.0
- Viscosity: 500-5000 mPa·s (25°C, 25% solution)
- Density (25°C): 1.05-1.10 g/cm³
- Solubility: Fully miscible with water

SECTION 10: Stability and Reactivity

- Stable under recommended storage conditions. Incompatible with strong acids, strong bases, oxidizing agents.

SECTION 11: Toxicological Information

- Acute Toxicity: Oral (Rat, LD₅₀) > 5000 mg/kg; Dermal (Rabbit, LD₅₀) > 5000 mg/kg.
- Skin/Eye Irritation: Mild skin irritation; reversible eye irritation.

SECTION 12: Ecological Information

- Environmentally friendly; fully biodegradable; no adverse effects on aquatic organisms.

SECTION 13: Disposal Considerations

- Dispose via licensed waste treatment facilities; biodegradable in wastewater systems.

SECTION 14: Transport Information

- UN Number: Not dangerous goods



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>

- Transport Hazard Class: -
- Special Precautions: Transport at $\leq 30^{\circ}\text{C}$; avoid sunlight.

SECTION 15: Regulatory Information

- Complies with GHS, REACH, TSCA; listed on TSCA Inventory.

SECTION 16: Other Information

- Revision Date: 10 FEB 2026

