



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)

Polyacrylic Acid (PAA)

SECTION 1: Identification

1.1 Product Identifiers

- Product Name: Polyacrylic Acid (PAA)
- Product Number: PAA-CAS9003014-202604
- Brand: SIGALD
- CAS-No.: 9003-01-4
- Synonyms: PAA; Poly(acrylic acid)

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 treatment (scale inhibitor, dispersant); coating additives; adhesive formulations; personal care products (thickener).
- Uses Advised Against: Pharmaceutical, food, or direct oral consumption.

SECTION 2: Hazards Identification

2.1 GHS Classification: Skin corrosion/irritation (Category 1B); Eye damage (Category 1)2.2 GHS Label Elements

- Hazard Pictogram: (Corrosion)
- Signal Word: DANGER
- Hazard Statements: H314 (Causes severe skin burns and eye damage)
- Precautionary Statements: P260, P280, P301+P330+P331, P304+P340, P305+P351+P338

2.3 Physical/Chemical Hazards: Corrosive to metals; stable under normal conditions.2.4 Health Hazards: Severe skin/eye burns; inhalation of mist may irritate respiratory tract.2.5 Environmental Hazards: Low toxicity to aquatic organisms; fully biodegradable.

SECTION 3: Composition/Information on Ingredients

- Substance/Mixture: Mixture | Main Component | Content (w/w) | CAS-No. | |-----|-----|-----|-----|
-----|-----| Polyacrylic Acid | 30.0-35.0% | 9003-01-4 | | Deionized Water | Balance |
7732-18-5 |

SECTION 4: First Aid Measures



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>

- Inhaled: Move to fresh air; administer oxygen if breathing is difficult; seek medical attention.
- Skin Contact: Remove contaminated clothing; rinse skin with plenty of running water for ≥ 15 minutes; consult a doctor.
- Eye Contact: Hold eyelids open; rinse with water/normal saline for ≥ 15 minutes; seek emergency medical help immediately.
- Swallowed: Do not induce vomiting; rinse mouth with water; bring this MSDS to the doctor.

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, carbon dioxide (CO_2), dry powder.
- Unsuitable Media: Direct high-pressure water jet (may splatter corrosive liquid).
- Special Hazards: Non-combustible; decomposes above 250°C releasing toxic fumes (CO , CO_2).
- Firefighter Advice: Wear self-contained breathing apparatus (SCBA) and corrosion-resistant protective clothing.

SECTION 6: Accidental Release Measures

- Personal Precautions: Wear full personal protective equipment (PPE); evacuate unprotected personnel.
- Environmental Precautions: Prevent runoff into sewers, rivers, or groundwater.
- Cleanup: Small spill - absorb with inert materials (sand, vermiculite) and neutralize with lime before disposal; large spill - dike and transfer to corrosion-resistant tanks.

SECTION 7: Handling and Storage

- Handling: Operate in a well-ventilated area; avoid contact with skin, eyes, and clothing; do not mix with strong bases or oxidizing agents.
- Storage: Cool, dry, well-ventilated warehouse (storage temperature $\leq 30^\circ\text{C}$); keep container tightly closed; avoid direct sunlight and high temperature.
- Shelf Life: 12 months (unopened, under specified conditions).

SECTION 8: Exposure Controls/Personal Protection

- PPE: Chemical safety goggles, face shield, nitrile rubber gloves, acid-resistant protective clothing.
- Respiratory Protection: Half-mask respirator with acid gas cartridges (when mist is generated).

SECTION 9: Physical and Chemical Properties

- Physical State: Liquid; Color: Colorless to pale yellow; Odor: Mild acidic odor
- pH (1% Solution): 2.0-4.0; Density (25°C): 1.08-1.15 g/cm^3 ; Viscosity (25°C): 500-5000 $\text{mPa}\cdot\text{s}$
- Boiling Point: Decomposes; Solubility: Fully miscible with water, ethanol.

SECTION 10: Stability and Reactivity

- Stability: Stable under normal storage and handling conditions.
- Incompatible Materials: Strong bases, oxidizing agents, heavy metal salts.
- Hazardous Decomposition Products: CO , CO_2 (above 250°C).

SECTION 11: Toxicological Information

- Acute Toxicity: Oral (Rat, LD_{50}): >2000 mg/kg ; Dermal (Rabbit, LD_{50}): >5000 mg/kg



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/Eye Irritation: Severe skin and eye damage.

SECTION 12: Ecological Information

- Fish (Zebrafish, LC₅₀): >1000 mg/L (96h); Biodegradability: Biodegradable (BOD₅ /COD >0.4).

SECTION 13: Disposal Considerations

- Product Waste: Neutralize to pH 6-9 with alkaline substances (e.g., sodium carbonate); dispose via licensed hazardous waste treatment facilities.
- Packaging Waste: Rinse thoroughly with water; dispose as hazardous waste or recycle if permitted.

SECTION 14: Transport Information

- UN Number: UN 3265; UN Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.
- Transport Class: 8; Packaging Group: III; Environmental Hazards: No.

SECTION 15: Regulatory Information

- National Regulations: Complies with China Hazardous Chemical Safety Management Regulation.
- International Regulations: GHS Rev.9 (Corrosion 1B); REACH (EU, not in SVHC List); TSCA (US, listed).

SECTION 16: Other Information

- Revision Date: 15 APR 2026
- Disclaimer: Based on current scientific knowledge; supplier not liable for improper use.

纳维盈医化科技
NEWAY SINOPHC TECH