



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 Polyaspartate (PASP)

SECTION 1: Identification

1.1 Product Identifiers

- Product Name: Sodium Polyaspartate (PASP)
- Product Number: PASP-CAS26062793-202607
- Brand: SIGALD
- CAS-No.: 26062-79-3
- Synonyms: PASP; Polyaspartic Acid Sodium Salt
- Chemical Family: Polyamino Acid Salt Polymer

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) for industrial circulating water, cooling systems, boiler water, desalination plants; detergent additive; agricultural fertilizer synergist.
- Uses Advised Against: Pharmaceutical, food, or direct oral consumption without prior approval.

SECTION 2: Hazards Identification

2.1 GHS Classification: Skin irritation (Category 3); Eye irritation (Category 3) 2.2 GHS Label Elements

- Hazard Pictogram: None
- Signal Word: WARNING
- Hazard Statements: H316 (Causes mild skin irritation); H320 (Causes mild eye irritation)
- Precautionary Statements: P264, P280, P305+P351+P338

2.3 Physical/Chemical Hazards: No physical hazards; stable under normal conditions, no reaction with common substances. 2.4 Health Hazards: Mild skin/eye irritation in sensitive individuals; no acute/chronic toxicity. 2.5 Environmental Hazards: Non-toxic to aquatic organisms; fully biodegradable, no eutrophication risk.

SECTION 3: Composition/Information on Ingredients

- Substance/Mixture: Mixture | Main Component | Content (w/w) | CAS-No. | Hazard Classification | |-----|-----|-----|-----| | Sodium Polyaspartate |



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30.0-40.0% | 26062-79-3 | Skin Irrit. 3; Eye Irrit. 3 | | Deionized Water | Balance | 7732-18-5 |
Non-hazardous |

SECTION 4: First Aid Measures

- Inhaled: Move to fresh air; no special treatment if no discomfort; consult a doctor if symptoms persist.
- Skin Contact: Rinse skin with running water for 5-10 minutes; wash contaminated clothing before reuse.
- Eye Contact: Rinse eyes thoroughly with water/normal saline for 10 minutes; consult a doctor if irritation continues.
- Swallowed: Rinse mouth with water; do not induce vomiting; seek medical attention if gastrointestinal discomfort occurs.

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, CO₂, dry powder.
- Unsuitable Media: No restrictions.
- Special Hazards: Non-combustible; decomposes above 300°C releasing non-toxic CO₂, N₂.
- Firefighter Advice: Wear standard fire-fighting gear; cool containers with water spray if involved in fire.

SECTION 6: Accidental Release Measures

- Personal Precautions: Wear nitrile gloves and safety glasses for large spills.
- Environmental Precautions: Prevent runoff into sewers/streams; product is biodegradable, no long-term pollution.
- Cleanup: Small spill - absorb with inert materials (sand, vermiculite) and dispose as non-hazardous waste; large spill - dike and transfer to sealed containers for reuse or disposal.

SECTION 7: Handling and Storage

- Handling: Operate in well-ventilated area; avoid splashing; no special safety measures for routine use.
- Storage: Cool, dry warehouse (5-35°C); keep container tightly closed; avoid direct sunlight and high temperature (>40°C).
- Shelf Life: 18 months (unopened, specified conditions); 6 months after opening.

SECTION 8: Exposure Controls/Personal Protection

- PPE: Safety glasses and nitrile gloves for large-scale handling; respiratory protection not required under normal conditions.
- Engineering Controls: Basic ventilation sufficient; no special equipment needed.

SECTION 9: Physical and Chemical Properties

- Physical State: Liquid; Color: Colorless to pale yellow; Odor: Odorless
- pH (1% Solution): 7.0-9.0; Density (25°C): 1.08-1.15 g/cm³; Viscosity (25°C): 50-200 mPa·s
- Boiling Point: 100-105°C (water evaporation); Solubility: Fully miscible with water.

SECTION 10: Stability and Reactivity

- Stability: Stable under normal storage/handling; no polymerization risk.



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- Incompatibilities: Strong oxidizing agents (high concentration); strong acids (pH <2).
- Hazardous Decomposition Products: CO₂, N₂, Na₂O (above 300°C).

SECTION 11: Toxicological Information

- Acute Toxicity: Oral (Rat, LD₅₀): >10,000 mg/kg; Dermal (Rabbit, LD₅₀): >20,000 mg/kg
- Skin/Eye Irritation: Mild irritation, reversible within 24-48 hours.

SECTION 12: Ecological Information

- Fish (Zebrafish, LC₅₀): >5000 mg/L (96h); Biodegradability: Biodegradation rate >70% in 28 days.

SECTION 13: Disposal Considerations

- Product Waste: Classified as non-hazardous waste; dilute with water and discharge to municipal wastewater treatment systems or dispose via licensed facilities.
- Packaging Waste: Rinse thoroughly; recycle as non-hazardous waste or dispose of as municipal solid waste.

SECTION 14: Transport Information

- UN Number: - (Not dangerous goods)
- Transport Class: -; Packaging Group: -
- UN Proper Shipping Name: Non-dangerous goods (Sodium Polyaspartate aqueous solution)
- Special Precautions: Transport at 0-40°C; avoid collision and direct sunlight.

SECTION 15: Regulatory Information

- National Regulations: Complies with China Hazardous Chemical Safety Management Regulation (non-hazardous).
- International Regulations: GHS Rev.9 (Irritation 3); REACH (not in SVHC List); TSCA (listed).

SECTION 16: Other Information

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



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SECTION 16: Other information

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); EC_x - Concentration associated with x% response; EL_x - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErC_x - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC₅₀ - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC₅₀ - Lethal Concentration to 50 % of a test population; LD₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture



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