

# Material Safety Data Sheet (MSDS)

---

## Product Name: Anionic Polyacrylamide (PAM)

CAS No.: 9003-05-8

### 1. Product Identification

Product Name: Anionic Polyacrylamide

Chemical Formula:  $(C_3H_5NO)_n$

Use: Water treatment, paper industry, mining, oil recovery

### 2. Composition / Information on Ingredients

Component	Component	Component
Polyacrylamide	9003-05-8	>90%
Water	7732-18-5	<10%

### 3. Hazards Identification

GHS Classification: Not classified as hazardous according to GHS

Hazard Statements:

- May cause slight eye or skin irritation in sensitive individuals.
- Avoid inhaling dust.

### 4. First Aid Measures

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and water.

Eye Contact: Rinse with plenty of water for at least 15 minutes.

Ingestion: Rinse mouth and seek medical advice if necessary.

### 5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, CO<sub>2</sub>, dry chemical

Hazards: Combustion may produce CO, CO<sub>2</sub>, and nitrogen oxides

Protective Equipment: Wear self-contained breathing apparatus

### 6. Accidental Release Measures

Avoid generating dust

Sweep up and place in suitable container for disposal

Prevent material from entering drains or watercourses

## 7. Handling and Storage

Store in a dry, cool, well-ventilated place

Keep container tightly closed

Avoid contact with moisture

## 8. Exposure Controls / Personal Protection

Respiratory Protection: Use dust mask when handling powders

Eye Protection: Safety goggles

Skin Protection: Protective gloves

Engineering Controls: Use in well-ventilated areas

## 9. Physical and Chemical Properties

Property	Value
Appearance	White granular or powder
Odor	Odorless
Solubility in water	Completely soluble
pH (0.1% solution)	6 - 9
Bulk Density	~0.7 g/cm <sup>3</sup>

## 10. Stability and Reactivity

Stable under normal conditions

Avoid strong oxidizers and excessive heat

## 11. Toxicological Information

Acute Toxicity: Low

Skin/Eye Irritation: Slight

Carcinogenicity: Not listed as carcinogen by IARC, NTP, or OSHA

## 12. Ecological Information

Not expected to be harmful to aquatic life at typical concentrations

Avoid uncontrolled release into the environment

## 13. Disposal Considerations

Dispose of in accordance with local, regional, and national regulations

#### **14. Transport Information**

UN Number: Not regulated

Hazard Class: Non-hazardous

Packing Group: Not applicable

#### **15. Regulatory Information**

Complies with international chemical regulations (REACH, TSCA, etc.)

Not classified as a hazardous substance

#### **16. Other Information**

Prepared by: Henan Tairan Water Purification Material Co., Ltd.

Date of Issue: [Insert Date]

Disclaimer: The information provided is believed to be accurate, but not guaranteed. Use with proper safety precautions.