



**Shandong Xinhao Shunwei New  
Material Technology Co.,Ltd.  
山东新昊顺为新材料科技有限公司**

## Material Safety Data Sheet

### Section 1 – Chemical Product and Company Identification

Sample Name: SAP-Super Absorbent Polymer, based on Acrylate.

Synonyms: --

Molecular Formula: --

Company Identification: Shandong Xinhao High Polymer Material Co., Ltd..

Mainland Address: Gucheng Village, Linchi Town, Zouping, Shandong, China

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Post Code:

### Section 2 – Composition, Information on Ingredients

Product name: Super Absorbent Polymer

Ingredient	Concentration	CAS No.	ES No.
Acrylic polymers	90%	9003-04-7	/
Water	10%	7732-18-5	231-791-2

### Section 3 – Hazards Identification

Hazards Identification:

This substance is considered to be non-hazardous for transport.

Emergency Overview:

May cause irritation to eyes, respiratory system and skin.

### Section 4-First Aid Measures

Skin exposure:

In case of contact, immediately wash skin with soap and copious amounts of water. If

irritation persists, call a physician.

Eye exposure:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.

Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

Inhalation exposure:

If inhaled, remove to fresh air. If necessary, get medical attention.

Oral exposure:

If swallowed, immediately wash out mouth with water provided person is conscious. Call a physician.

## **Section 5-Fire Fighting Measures**

Extinguishing media:

Suitable: water spray, dry chemical, carbon dioxide or appropriate foam.

Firefighting:

Protective equipment: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## **Section 6-Accidental Release Measures**

Procedure of personal precaution:

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Method for cleaning up:

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## **Section 7-Handling And Storage**

Handling:

Wear appropriate protective clothing and safety gloves. Avoid inhalation. Avoid formation of dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Mechanical exhaust required. Keep away from ignition sources heat and flame. Incompatibilities: strong oxidizing agents, bases. No smoking at working site.

Storage:

Store in a cool, dry and well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: strong oxidizing agents, bases. Light sensitive. Store under inert gas.

## **Section 8-Exposure Controls, Personal Protection**

Engineering controls:

Mechanical exhaust required. Safety shower and eye bath.

Personal protective equipment:

Respiratory: government approved respirator.

Eye: chemical safety goggles.  
Clothing: wear appropriate protective clothing.

Hand: protective gloves.  
Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

## **Section 9 – Physical and Chemical Properties**

Appearance: white crystalline powder

Odor: weak odor

Melting Point/°C: >310°C carbonization

Solubility: insoluble in water

PH value: not applicable

## **Section 10 – Stability and Reactivity**

Stability : Stable under normal temperatures and pressures.

Condition to avoid: Moisture

Material to avoid: Strong oxidizing agents, bases.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Carbon oxides

## **Section 11 – Toxicological Information**

Toxicity data: No data available

Irritation data: May cause irritation to eyes, respiratory system and skin.

## **Section 12 – Ecological Information**

No data available

## **Section 13 – Disposal Considerations**

Appropriate method of disposal of substance:

Contact a licensed professional service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

## **Section 14 – Transport Information**

RID/ADR: Non-Hazardous for transport; this substance is considered to be non-hazardous for transport.

ATA: Non-Hazardous for air transport: Non-Hazardous for air transport.

IMDG/IMO: NOT REGULATED

IMO: Non-Hazardous for sea transport: Non-Hazardous for sea transport.

## **Section 15 – Regulatory Information**

EU Additional Classification:

S 2 26

Safety statements: keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## **Section 16 – Additional Information**

Issue Time: 2016-01-04

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes and liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.