



## Material Safety Data Sheet

Cationic styrene acrylic surface sizing agent

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Cationic styrene acrylic surface sizing agent

**Product Name:** Cationic styrene acrylic surface sizing agent

**Company Identification:**

HENAN TIANKAI NEW MATERIAL CO.,LTD

Mengdian Industrial Avenue,Huixian 453600,Henan province,China

**Tel:** 0086 373 6899808

**Fax:** 0086 373 6899808

### Section 2 - Composition, Information on Ingredients

**Ingredient:** Styrene-acrylic ester high molecular polymer

### Section 3 - Hazards Identification

#### Hazards Identification

According to GHS

Physical hazards: not classified

Health hazards: not classified

Environmental hazards: not classified

#### Emergency Overview

To the best of our knowledge,information and data ,we have not yet known the health and environmental hazards

### Section 4 - First Aid Measures

<b>Skin contact</b>	Take off the polluted clothes,use large quantity of clean water to flush the contacted parts,if skin inflamed,call a physician immediately.
<b>Eye contact</b>	Flush eyes immediately with plenty of clean water for at least 15 minutes,if eye irritation persists,consult a doctor for treatment.
<b>Ingestion</b>	Drink a lot of water or salted water to vomit,consult a doctor for treatment if necessary.

### Section 5 - Fire Fighting Measures



**Extinguishing media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** None known

**Special protective equipment** In the event of fire, wear self-contained breathing apparatus

**Special exposure hazards** None known

## Section 6 - Accidental Release Measures

**Environmental cleanup procedures:** Collect the spilled liquid material as much as possible into a clean container for (preferable) reuse or disposal

**Personal precautions** See section 8

## Section 7 - Handling and Storage

**Handling** As with all other chemicals, good industrial hygiene practices should be followed when handling this material

**Storage** Keep at temperatures between 5~35°C, avoid direct sunshine or frost.

**Material to avoid** No information available

## Section 8 - Exposure Controls, Personal Protection

**Respiratory protection** Normally no personal respiratory protective equipment is required.

**Hand protection** Rubber or PVC gloves

**Skin protection** Use of protective overalls and long sleeves is recommended. Wash contaminated clothing before reuse.

**Eye protection** Wear as appropriate safety glasses with side-shields; goggles, face-shield, eye wash fountain is recommended.

**Occupational exposure limits** None known



## Section 9 - Physical and Chemical Properties

**Appearance:**light brown liquid

**Effective solid content:** 30±1%

**PH:** 2-4

**Viscosity:**≤50 mpa.s (25 °C)

**Ionic Type:** cationic

**Solubility:**soluble easily

## Section 10 - Stability and Reactivity

**Stability**                      **stable under normal temperature and pressure**

**Material to avoid**                      strong oxidizing agents

**Hazardous Polymerization**                      will not occur

**Hazardous decomposition products**                      carbon oxides,nitrogen oxides(NO<sub>x</sub>),Hydrogen chloride gas

## Section 11 - Toxicological Information

**Acute toxicity**    no data

### Health effects

**Inhalation**    Steam may not cause some irritation to the mucous membranes of the mouth, throat and respiratory tract

**Ingestion**    Not an anticipated route of exposure under normal conditions of use.

**Skin contact**    Not irritant

**Eye contact**    Not irritant

**Carcinogenicity/mutagenicity** suspected of causing cancer

**Reproductive/developmental effects**    No data available for this product

**Subacute , subchronic, chronic effects**    No data available for this product

## Section 12 - Ecological Information

**Aquatic toxicity**                      No data available for this product

**Other Adverse Effects**

None known

## Section 13 - Disposal Considerations

**Product disposal**

In accordance with local and national regulations.

**Packaging**

As for product.

## Section 14 - Transport Information

**Transportation summary**

Not classified as dangerous goods in the meaning of transport regulations.

## Section 15 - Regulatory Information

**International Regulations**

The product does not need to be labelled in accordance with EC directives or respective national laws.

**Use**

Only for industrial use.

IATA:

Non-hazardous for Air transport

IMO:

Non-hazardous for Air transport

## Section 16- Additional Information

No R-phrases in section 2

Explanation: The information provided in this material safety data sheet relates only to this specific product and may not be valid for the product if used with other material in any process. The information is, at the time of publication, to the best of the Company's knowledge and belief, accurate and reliable. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself to the suitability for his own purpose.