



SHANDONG JUSAGE TECHNOLOGY CO., LTD.

Manufacturers & Exporters of :THERMOPLASTIC ELASTOMER

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## Material Safety Data Sheet

### I. Identification of the Substance / Preparation And Company:

Product Information: Styrene-Isoprene-Styrene block copolymer  
including: SIS-1100,SIS-1120,SIS-1250,SIS-1300,SIS-1170,SIS-1100T,SIS-1110

Product Number:

Information on Product / Supplier Name,Address,Phone: No.9 Guangda Road, Economic Development Zone,  
Guangrao County, Shandong Province , China.

Emergency Phone / Fax: 086-546-6921269/086-546-6921269

### II. Composition / Information on Ingredients:

Single:

English Name: Styrene-Isoprene-Styrene block copolymer

Synonyms: None

Chemical Abstracts Number(CAS No.) : 25038-32-8

Chemical Character: Stable

Hazardous Components Name	Concentration / Percentage	Hazard Symbols
None	None	None

### III. Hazard Identification:

Hazard Warnings for Health: Molten product adheres to the skin and causes burns.

Major Hazard Effect:

Hazard Warnings for Environment: No specific hazards.

Physical and Chemical Dangerous : These materials are rubber compounds, which are essentially non-toxic.

Material is not irritating. If polymer dusts are generated, they could scratch the eyes and cause minor irritation to the respiratory tract.

Special Harm: None

Major State: None

Hazard Category: None

### IV. First Aid Measures:

NO.20,North Ride No.9 Road,Guangrao Economic Development Zone,Shandong Province,China

P.C.257300 Phone:86-546-6920827 Mobile:86-13406130167 Fax:86-546-6920991

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Emergency and First Aid Procedures :

• Inhalation:

Remove to fresh air. If rapid recovery does not occur, obtain medical attention.

• Skin Contact:

1. If contact with hot material, cool the burn area by flushing with large amount of water.

2. Do not attempt to remove anything from the burn area or apply burn creams or ointment. Cover the burn area loosely with a sterile dressing. IF available and seek medical attention.

• Eye Contact:

1. If contacted by polymer, flush eye with water and seek medical doctor if necessary.

Ingestion: No specific measures.

Major Disease and Harm Effect: None

First-Aid Personal Protection: None

Prompt to Doctor: None

## **V. Fire Fighting Measure:**

Suitable Extinguishing Media:

Suitable: Foam,water spray or fog,dry chemical powder ,CO<sub>2</sub>, sand or earth may be used for small fires only.

Unsuitable: Water in a jet may disperse fire.

Special Exposure Hazards: None

Special Extinguishing Procedure: None

Special Protection Equipment: Full protective clothing and self contained breathing apparatus.

## **VI. Accidental Release Measures :**

Personal Protection: Refer to point VIII

Environmental Protection: No specific measure.

Methods for Cleaning Up:

Small spillage: Sweep up and place in a labeled container for subsequent safe disposal as required by local regulations.

Large spillage: Transfer to a labeled, seal able container for product recovery or safe disposal as required by local regulations.

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## VII. Handling and Storage:

Handling:

1. Take precautionary measures against static discharges, earth/ground all equipment..
2. Do not generate or accumulate dusts, Dust explosion could occur.
3. When processing polymer products, maintain a fire watch if the material reaches 225°C.
4. Degradation of the polymer will start at lower temperature depending on the specific processing conditions. Therefore, operating below these temperatures does not guarantee the absence of product degradation.
5. Static charge buildup can be a potential fire hazard when used in the presence of volatile or flammable vapors or in high airborne dust concentrations.

Storage:

1. Store this substance in a cool dry and well-ventilated area out of direct sunlight.
2. It shall not be stored near to flammable materials and high temperature area for prolonged period.
3. Avoid storage of bulk product at temperatures above ambient to minimize risk of exothermic degradation, self-heating and possible spontaneous combustion.
4. In case of the polymer stored over one year or stored under abnormal condition, advise us before using.

## VIII. Exposure Control / Personal Protection:

Engineering Control: No specific measures.

Control Factor: No specific measures.

- TWA / STEL / CEILING: No specific measures.
- Biotic Index: No specific measures.

Personal Protection Equipment:

- Respiratory Protection: As soon as odors are detected use a negative pressure half face respirator equipped with a cartridge designed to protect against organic vapors, and if dust present a particulate pre-filter should also be used.
- Hand Protection: Cloth gloves if desired.
- Eye Protection: Wear safety glasses.
- Skin & Body Protection: Standard issue work clothes which may include: apron, safety shoes or boots as necessary.

Hygiene Procedures: None

## IX. Physical And Chemical Properties / Characteristic:

Appearance: Solid

Form: Porous pellet

Color: White

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Odor: Almost odorless

pH value: Data not available

Boiling Point / Boiling Range: Data not available

Decomposition Temperature: None

Flash Point: None

Test Method: Open Cup Close Cup

Spontaneous Temperature: None

Exposure Limits: Data not available

Vapor Pressure: Data not available

Specific Gravity: Between 0.88 and 0.93 (g/cm<sup>3</sup>)

Solubility: Not soluble Water

## **X. Stability And Reactivity:**

Stability: Stable under ambient conditions. Oxidizes exothermically above ambient temperature.

Special Conditions of Hazardous Reaction: Polymer dust accumulated, explosion could occur.

Condition to Avoid:

1. Avoid naked flame and other ignition source.
2. Avoid contact with strong oxidizing agents.
3. Avoid accumulation of polymer areas exposed to elevated temperatures for extended periods in air may result in self-heating and spontaneous combustion.
4. Avoid elevated temperatures in storage for prolonged periods of time (example: 5 days at 200 Degrees F or 93 Degrees C).

Incompatibility: None

Hazardous Decomposition Products: CO<sub>2</sub> , CO, hydrocarbon, acrolein, methane, propane, ketones, aldehydes .

## **XI. Toxicological Information:**

Acute Toxicity: No information available

Local Effects: No information available

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Sensitive: No information available

Chronic: No information available

Exceptional Effect: No information available

## **XII. Ecological Information:**

Possibility of Environmental Impact / Move: Generally non hazardous. Not biodegradable, Not toxic.

## **XIII. Disposal Information:**

Disposal Information: Recover or recycle if possible, otherwise incineration , otherwise Licensed Landfill.

## **XIV. Transport Information:**

International Transport Regulation: This material is not classified as hazardous under IATA 、 IMDG regulations.

Internal Transport Regulation: It is not subject to the regulations of dangerous goods for street transportation.

Special Transport Way And Note: None

## **XV. Regulation Information:**

Apply Regulation: No information available.

## **XVI. Other Information:**

Reference: None

Name: Shandong Jusage Technology Co.,Ltd.

Supplier: Shandong Jusage Technology Co.,Ltd.

Addresses: No.9 Guangda Road Economic Development Zone, Guangrao County Dongying City, Shandong Province, China

Date: 2012/12/12