

Material Safety Data Sheet

Thermoplastic elastomers-Styrene-isoprene block copolymer(SIS)

Version 2.0

Issue date: 2021-01-19

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Thermoplastic elastomers-Styrene-isoprene block copolymer(SIS-1500)
Additional identification: Nanoform is NOT covered by this SDS.
Identification of the product: CAS# 25038-32-8; EC# N/A
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses:

Not available

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative):
Supplier(Manufacturer): Puyang United Chemical Co., Ltd.
Address: RM 1008, Cyber Business Building, Zhenxing Road, Puyang, Henan, China
457000
Contact person: Liquan, Qi
Tel: +86-393-4662488

Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification of the substance::

According to REGULATION (EC) No 1272/2008, based on available data, the classification criteria are not met:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
Not classified	N/A

2.2 Label elements:

Hazard pictogram(s): No hazard pictogram is used.
Signal word: No signal word is used.
Hazard statement(s): Not applicable.
Precautionary statement(s): Not applicable.
Supplemental Hazard information (EU) Not applicable.

2.3 Other hazards:

The substance is not PBT / vPvB.

The substance is not identified as having endocrine disrupting properties.

Section 3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Specific Concentration limits, M-Factors, Acute, Toxicity Estimates (ATE)
Liquid styrene polymer With 2-methyl-1,3-butadiene	N/A	25038-32-8	N/A	>99%	N/A

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

4.1.2 In case of skin contact:

Rinse skin thoroughly with water. In contact with hot materials, immediately immerse the affected area in a lot of cold water to dissipate heat and reduce the degree of burns. If symptoms persist or worsen, seek medical attention.

4.1.3 In case of eyes contact:

Do not wipe the eyes. Rinse with water. If irritation persists or worsens, seek medical attention.

4.1.4 In case of ingestion:

Rinse mouth. Seek medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed:

Dust may irritate the respiratory tract, skin and eyes. Prolonged contact can cause dry skin.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water spray, foam, dry powder or carbon dioxide

Unsuitable extinguishing media: Avoid using DC water to extinguish fire, so as to avoid material splashes and fire spread.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition may produce fumes, carbon oxides and/or low molecular weight hydrocarbons.

5.3 Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Avoid dust formation.

6.1.2 For emergency responders: Eliminate all ignition sources. Avoid breathing fumes from molten products. If it overflows, it may cause a slip hazard. According to the area affected by spilled materials and smoke, a warning zone shall be delineated, and unrelated personnel shall be evacuated from crosswind and upwind to a safe area. It is

6.2 Environmental Precautions:

6.3 Methods and material for Containment and Cleaning up:

6.4 Reference to other sections:

recommended that emergency response personnel wear positive pressure self-contained breathing apparatus, anti-static clothing and rubber gloves. All equipment used during operation should be grounded and the source of leakage should be cut off as much as possible.

Do not let large amount of product enter drains.

Sweep up and shovel. Keep in suitable, closed and properly labelled containers for disposal. Avoid generating dust when cleaning. This product is immiscible with water and will spread on the water surface.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Control the generation and accumulation of dust to a minimum. Avoid heat, sparks, open flames and other sources of ignition. No smoking. The generation of static electricity and sparks must be prevented. Ground the container and transfer equipment to eliminate static sparks. If the material reaches 225°C (437°F), maintain fire protection monitoring and avoid contact with hot materials. Do not inhale the dust of this material. Observe good industrial hygiene practices.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Keep away from heat, sparks and open flames. This material can accumulate static electricity, which can cause sparks and become an ignition source. Use grounding and connection methods to prevent static electricity from accumulating. In order to maintain the quality of the product, it should be stored in a cool, dry and well-ventilated place. Prevent dust from accumulating on the material. Do not stack. The flexible intermediate bulk container (FIBC) or palletized packaging bag should be stored to avoid pressure and should be stored at high temperature to reduce particle aggregation. Avoid contacting with Strong acids, bases and oxidants.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety glasses when eye contact is possible.

Skin protection

Hand protection: Wear safety glasses (or goggles) with side shields.

Body protection: Wear suitable protective clothing and protective gloves.

Respiratory protection: In case of insufficient ventilation, suitable respiratory protection must be

Thermal hazards:
8.2.3 Environmental exposure controls:

provided.
Wear suitable protective clothing to prevent heat.
Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Dense particles.
Colour:	Transparent white or light yellow.
Odour:	Odorless
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Non-flammable
Ignition temperature (°C):	Not available
Upper/lower explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Relative Density:	0.88-0.95(20 °C)
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Insoluble
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Non explosive
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

9.2. Other information:

Fat solubility(solvent-oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	Long-term exposure to high temperature has the risk of self-heating and self-ignition. No dangerous reactions have been seen under normal use

10.4 Conditions to avoid:	conditions.
10.5 Incompatible materials:	Incompatible materials. Prevent exposure to high temperature or sunlight.
10.6 Hazardous decomposition products:	Strong acids, bases and oxidants Carbon monoxide, carbon dioxide and/or low molecular hydrocarbons.

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:	
LD50(Oral, Rat):	Not available
LC50(Inhalation, Rat):	Not available
LD50(Dermal, Rabbit):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

11.2 Information on other hazards

Endocrine disrupting properties:	The substance is not identified as having endocrine disrupting properties.
Other information:	Not applicable

Section 12 Ecological information

12.1 Toxicity:

Acute (short-term) toxicity:	
LC50(96h, Fish):	Not available
LC50(48h, Crustacea):	Not available
EC50(72h, Algae/aquatic plants):	Not available
Chronic (long-term) toxicity:	
NOEC(Fish):	Not available
NOEC(Crustacea):	Not available
EC50(Algae/aquatic plants):	Not available

12.2 Persistence and degradability: There should be no biodegradation.

12.3 Bioaccumulative potential: This product has no bioaccumulation effect.

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: The substance is not PBT / vPvB.

12.6 Endocrine disrupting properties: The substance is not identified as having endocrine disrupting properties.

12.7 Other adverse effects: Not available.

12.8 Additional information Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water.

Section 14 Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
14.7 Maritime transport in bulk according to IMO instruments	Not regulated	Not regulated	Not regulated	Not regulated

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed.
For use only by technically qualified individuals.

Other National regulations:

Not applicable

15.2 Chemical safety assessment

YES

NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2020/878

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for rail International transportation of Dangerous goods

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Training instructions:

Not applicable.

16.5 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.6 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Issued by
Puyang United Chemical Co., Ltd.