

SAFETY DATA SHEET

SHUYANG GENZON NOVEL MATERIALS COMPANY LIMITED encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1 PRODUCT AND COMPANY IDENTIFICATION

Product name :

poly(ethylene terephthalate)

Recommended use and restrictions on use

For industrial use only

Manufacturer:

SHUYANG GENZON NOVEL MATERIALS CO.,LTD

2 HAZARDS IDENTIFICATION

Emergency Overview

No data

GHS Classification:

No data

GHS label elements:**Pictogram**

No data

Wrning

No data

Danger information

No data

Precautionary statements**Prevention**

No data

Accident response

No data

Safe storage

No data

Waste disposal:

No data

Physical and chemical hazards

No data

Health hazards

No data

Environmental hazards

No data

3 COMPOSITION / INFORMATION ON INGREDIENTS

Composition	Content(Mass fraction, %)	CAS No.
poly(ethylene terephthalate)	≤100%	25038-59-9

4 FIRST AID MEASURES

Description of first aid measures:

Inhalation: Move person to fresh air and keep comfortable for breathing; consult a physician.

Skin contact: Remove contaminated clothing and rinse skin thoroughly with soap and water. If you feel unwell, consult a physician.

Eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Ingestion: Rinse mouth with water, do not induce vomiting. If you feel unwell, consult a physician.

Notes to protect the rescuer:

Transfer the patient to a safe place. Consult your doctor. Show this chemical safety specification to the on-site doctor

Notes to physician:

No data

5 FIREFIGHTING MEASURES

Extinguishing media:

Use water spray, dry powder, foam or carbon dioxide extinguishing agent to extinguish the fire.

Avoid the use of direct running water to extinguish the fire. Direct running water may cause splashing of flammable liquid and spread the fire.

Special hazards:

No data

Advice for firefighters:

Fire Fighting Procedures: Use water spray to cool unopened containers. Evacuate area. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

It is recommended that emergency responders wear respirators, antistatic clothing and rubber oil-resistant gloves.

Do not touch or cross the spill.

All equipment used in the operation shall be earthed.

Cut off the source as much as possible.

Eliminate all ignition sources.

The warning area shall be designated according to the area affected by liquid flow, steam or dust diffusion, and irrelevant personnel shall evacuate to the safety area from the crosswind or upwind.

Environmental precautions:

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up:

Small leakage: Collect leaking liquids in airtight containers where possible. Absorb with sand, activated carbon or other inert materials and transfer to a safe place. Do not flush into drains.

Massive leakage: levee or pit. Seal the drainage pipe. Cover with foam to inhibit evaporation. Transfer to tank truck or special collector with explosion-proof pump to recover or transport to waste disposal site.

7 HANDLING AND STORAGE

Precautions for safe handling:

Operators should be specially trained and strictly abide by the operating rules.

Handling should be performed in areas with partial or full ventilation facilities.

Avoid contact between eyes and skin, and avoid breathing in steam.

See Part 8 for personal protection measures.

Keep away from fires and heat sources. Smoking is strictly prohibited in the workplace.

Use explosion-proof ventilation systems and equipment.

If canning is needed, the flow rate should be controlled and there should be a grounding device to prevent the accumulation of static electricity.

Avoid contact with prohibitions such as oxidizers (see Part 10).

Handle with care to prevent damage to packing and container.

Empty containers may retain harmful substances.

Wash hands after use and do not eat or drink in the workplace.

Equipped with the appropriate variety and quantity of fire fighting equipment and leakage emergency treatment equipment.

Conditions for safe storage:

Store in a cool, ventilated warehouse.

The temperature should not exceed 37°C.

Keep separate from oxidants and edible chemicals, and avoid mixing them (see Part 10 for prohibited substances).

Keep container sealed.

Keep away from fire and heat.

Lightning protection equipment must be installed in the warehouse.

The exhaust air system shall be provided with a grounding device for conducting and removing static electricity.

Explosion-proof lighting and ventilation are adopted.

Do not use spark-prone equipment and tools.

The storage area shall be equipped with leakage emergency treatment equipment and appropriate containment materials.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit:

Composition	CAS No.	Standard source	Type	Standard value	Remarks
poly(ethylene terephthalate)	25038-59-9	GBZ 2.1—2007	MAC	-	Unspecified
			PC-TWA	-	
			PC-STEL	-	

Biological occupational exposure limits:

No data

Monitoring method:

GBZ/T 160.1 ~ GBZ/T 160.81-2004 Determination of toxic Substances in workplace air (Series standard), EN 14042 Guidelines for procedures for assessing exposure to chemical or biological agents in workplace air

Engineering control:

Workplaces are recommended to be separated from other workplaces.

Closed operation to prevent leakage.

Enhance ventilation.

Set up automatic alarm device and emergency ventilation facilities.

Emergency evacuation routes and necessary evacuation areas shall be set up.

Set up red area warning line, warning mark and warning description, and set up communication alarm system.

Provide safe shower and eye washing facilities.

Individual protection measures:

Respiratory protection: When the concentration in the air exceeds the limit, wear a filter type gas mask (half mask).Respirators should be worn during emergency rescue or evacuation.

Hand protection: Wear rubber oil - resistant gloves.

Eye protection: Wear chemical safety eye protection.

Skin and body protection: Wear permeable protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and physical state: No data available

Relative Vapor Density (g/mL, air=1) : No data available

Boiling point (°C,1.013hPa): No data available

Refractive index (n₂₀/D): No data available

Specific rotation ([α]₂₀/D, °): No data available

Vapor pressure (mmHg,78°C): No data available

Heat of combustion (KJ/mol): No data available

Critical pressure (KPa): No data available

Upper explosive limit (%V/V): No data available

Solubleness: No data available

Density (g/mL,25°C): 1.68

Melting point (°C, 常压): 250-255

Boiling point (°C,5.2kPa): No data available

Flash point (°C): No data available

Autoignition Temperature (°C) : No data available

Saturated vapor pressure (kPa,60°C): No data available

Critical temperature (°C): No data available

Logarithm of the distribution coefficient of oil-water (octanol/water): No data

Lower explosive limit (%V/V): No data available

10 STABILITY AND REACTIVITY

Chemical stability:

The product is stable when stored and used at normal ambient temperature.

Possibility of hazardous reactions:

No data.

Conditions to avoid:

Electrostatic discharge, heat, moisture, etc.

Incompatible materials:

Strong oxide, strong acid, strong base.

Hazardous decomposition products:

No data.

11 TOXICOLOGICAL INFORMATION

Acute toxicity:

Mouth : No data

Inhalation : No data

Percutaneous : No data

Skin irritation or corrosion:

No data

Eye irritation or corrosion:

No data

Respiratory or skin allergies:

No data

Germ cell mutagenesis:

No data

Carcinogenicity:

No data

Reproductive toxicity:

No data

Specific target organ systemic toxicity -- primary exposure:

No data

Specific target organ systemic toxicity -- repeated exposure:

No data

Inhalation hazard:

No data

12 ECOLOGICAL INFORMATION

Ecotoxicity:

No data

Persistence and Degradability:

No data

Bioaccumulative Potential :

No data

Mobility in Soil :

No data

Results of PBT and vPvB assessment

No data

Other adverse effects

No data

13 DISPOSAL CONSIDERATIONS

Waste chemicals:

Recycle as much as possible.

If recycling is not possible, incineration is used for disposal.

It is not allowed to waste or dispose of the product by discharging it into the sewer.

Contaminated packaging:

Return containers to the manufacturer or dispose of in accordance with national and local regulations.

Notes for abandonment:

Refer to relevant national and local laws and regulations before disposal.

See Part 8 for security precautions for disposition personnel.

14 TRANSPORT INFORMATION

Classification for ROAD and Rail transport: Not regulated for transport

Classification for SEA transport (IMO-IMDG): Not regulated for transport

Classification for AIR transport (IATA/ICAO): Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15 REGULATORY INFORMATION

The following laws, regulations, rules and standards shall provide for the management of the chemical:

Poly (Ethylene Terephthalate) CAS: 25038-59-9

Law of the People's Republic of China on Prevention of Occupational Diseases:

Catalogue of occupational hazard Factors (2015): not included.

Regulations on the Safety Administration of Hazardous Chemicals:

Catalogue of Dangerous Chemicals (2015): not included.

Hazardous Chemicals subject to Explosive Preparation (2017): not included.

List of hazardous Chemicals under key supervision:

First and second batch of hazardous chemicals under key supervision: not included.

Measures for The Environmental Management and Registration of Hazardous Chemicals (trial):

List of hazardous Chemicals under Key Environmental Management: not included.

Regulations on the Administration of Narcotic Drugs and Psychotropic Substances:

List of narcotic drugs: not included.

List of psychotropic drugs: not included.

New Environmental Management Measures for Chemical Substances:

China's Current List of Chemical Substances (2013): included.

16 OTHER INFORMATION

Compile and revise information:

This edition is version 1.0, compiled according to GB/T 16483-2008, GB/T 17519-2013, GB 30000 series classification standard.

Modification Instructions:

Every 5 years or when there are new national laws and regulations.

Disclaimer:

The information in this SDS applies only to the specified product, unless otherwise specified, not to mixtures of the product and other substances. The SDS only provides safety information for those who have been properly trained to use the product. The user of the SDS shall make an independent judgment as to the applicability of the SDS. The author of this SDS shall not be liable for any damage caused by the use of this SDS.