

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name:	Gatronova PET Bottle Grades Chips
Chemical Name:	Polyethylene Terephthalate
Recommended Use:	Raw material for plastics.
Supplier:	Novatex Limited
Address:	Landhi Industrial Zone, Karachi-Pakistan 75120
Tel:	(+92 21) 35017484-85
Web:	www.gatronova.com
Emergency Tel:	(9221) 35017484-85

SECTION 2: HAZARDS IDENTIFICATION

Classification (CLP):	Not classified as hazardous.
GHS Label Elements:	Not required.
Hazards Summary:	• Odorless pellets. • Molten material causes severe thermal burns. • Thermal processing may release irritating fumes. • Dust may cause mechanical eye irritation.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	Chemical Name	Common Name	Concentration	Classification
25038-59-9	Poly(Oxy-1,2-ethanediylloxycarbonyl-1,4-phenylcarbonyl)	PET	99.9%	Not Classified

SECTION 4: FIRST AID MEASURES

Route of Exposure	First Aid Instructions
Inhalation	Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact (Solid)	Generally not hazardous. Wash with soap and water.
Skin Contact (Molten)	Cool immediately with cold running water. Seek medical attention for burns.
Eye Contact	Flush immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	Seek medical attention if irritation occurs.
Note to Physicians	Treat exposure to molten material as thermal burns.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, alcohol-resistant foam, dry chemical, or CO ₂ .
Unsuitable Extinguishing Media:	High-volume water jets.

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Specific Hazards:	Combustion may produce toxic fumes (e.g., carbon monoxide).
Precautions for Firefighters:	Wear self-contained breathing apparatus (SCBA) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** No specific precautions required for solid pellets.
- **Environmental Precautions:** Prevent material from entering drains or waterways.
- **Cleanup Method:** Contain spill. Collect using an explosion-proof vacuum or by wet brushing. Place in a container for disposal.
- **Disposal:** Dispose of in accordance with local regulations (see Section 13).

SECTION 7: HANDLING AND STORAGE

Handling:	Use with adequate ventilation. Keep away from ignition sources. Keep containers closed.
Storage:	Store in a cool, dry, well-ventilated place.
Shelf Life:	Product is stable but hygroscopic (absorbs moisture). • Recommended: Use within 6 months. • Extended Storage (up to 3 years): Re-test moisture content before use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

- **OSHA PEL:** Not Established
- **ACGIH TLV:** Not Established

Personal Protective Equipment (PPE):

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Scenario	Recommended PPE
Normal Handling (Solid)	Safety glasses.
Dust Generation	Safety glasses, dust mask (N95).
Handling Molten Material	Heat-resistant gloves, clothing, footwear, face shield.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value / Description
Appearance	Granules
Odor	Slight
Melting Point	240 - 260 °C
Bulk Density	760 - 840 kg/m ³
Solubility in Water	Insoluble
Auto-ignition Temperature	>500 °C
Intrinsic Viscosity	0.72 - 0.86 dl/g

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions.
Chemical Stability:	Stable.
Incompatible Materials:	Strong oxidizing agents.

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Hazardous Decomposition Products:	Volatile organic compounds (VOCs) upon heating.
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SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not determined. No adverse effects from short-term ingestion.
Irritation/Sensitization:	No skin or eye irritation. No sensitization observed.
Carcinogenicity/Mutagenicity:	Not carcinogenic, mutagenic, nor a reproductive toxin based on animal data.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:	Not determined.
Persistence and Degradability:	Non-biodegradable.
Bioaccumulative Potential:	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

- Dispose of in accordance with all local, state, and national regulations. Use approved waste disposal facilities.

SECTION 14: TRANSPORT INFORMATION

Transport Classification:	Not classified as dangerous for transport.
UN Number:	Not applicable.

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SECTION 15: REGULATORY INFORMATION

REACH SVHC (EC 1907/2006):	Compliant. Contains none of the 242 Substances of Very High Concern (SVHC) per ECHA list (Nov 07, 2024).
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SECTION 16: OTHER INFORMATION

Prepared per EU REACH Regulation (EC) No. 1907/2006.

Disclaimer: *Information is provided in good faith but without warranty. The user is responsible for determining the suitability of this information for their specific purpose.*

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