

MATERIAL SAFETY DATA SHEET

1. PRODUCT COMPANY AND IDENTIFICATION

Trade Name **GSX-902 PLASTIC BEADS**

Generic Description Polystyrene Beads

Manufacturer/Supplier Grinding & Sizing Company, Inc.
Address 515 Industrial Boulevard Lufkin, TX 75904
Phone Number 936-634-7718
Emergency Number 1-800-324-0777

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Material or Component	CAS Number	Percentage
Polystyrene		100%

3. HAZARD IDENTIFICATION

Hazard Data: Acute Effects: None
 Chronic Effects: None.

Health 1
Flammability 0
Reactivity 0 Ratings based on NPFA

Inhalation:

If there is any dust it may cause irritation to respiratory tract. Emits toxic fumes when heated to decomposition (carbon dioxide, carbon monoxide).

Skin Contact:

None.

Eye Contact:

Small particles may cause irritation to the eyes.

Ingestion:

Not anticipated route of exposure. May cause gastrointestinal irritation.

Chronic Health Effects

None known. Not listed as a carcinogen by IARC, NTP or OSHA.

Medical Conditions Aggravated by Exposure

None known.

4. FIRST AID MEASURES

Inhalation:

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

Skin Contact:

Wash exposed area with soap and water. Not expected to require first aid.

Eye Contact:

Wash thoroughly with large amounts of running water for at least 15 minutes. Get medical advice if irritation develops.

Ingestion:

Not expected to require first aid.

Advice to Physicians

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point Not applicable

Flammable Limits Not applicable

Fire Extinguishing Media Water, carbon dioxide, dry powder or foam

Unusual Fire and Explosion Hazard Firefighters should wear self-contained breathing apparatus. A static charge may be generated during handling which can discharge in the form of a spark. Good grounding techniques must be used. If exposed to fire high heat will be developed and a dense black smoke will result. Emits toxic fumes during combustion (carbon dioxide, carbon monoxide). Beads on hard smooth surface create a serious slipping hazard which may interfere with firefighting unless covered over.

6. ACCIDENTAL RELEASE MEASURES

Release or Spill

Collect and place in suitable container for reuse or disposal. Keep away from ignition source. Beads on hard smooth surface create a serious slipping hazard.

Personal Precautions

Avoid breathing dust.

Environmental Precautions

None

7. HANDLING AND STORAGE

Store in a cool, dry, ventilated area. Keep away from ignition source. Keep work area floors clean. Beads on hard smooth surfaces create a serious slipping hazard. Walkways should be covered with open grating or a coarse granular material.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Airborne Exposure Limits

OSHA Permissible Exposure Limit (PEL) 15 mg/m³ total dust, 5 mg/m³ respirable fraction for nuisance dusts.

Ventilation Requirements:

A system of local and/or general exhaust is recommended if handled in a confined area.

Respiratory Protection

Use NIOSH approved nuisance dust respirator if dust is present.

Skin Protection

Wear long sleeved clothing and work gloves.

Eye Protection

Wear safety glasses with side shields. Maintain eye wash station in work area.

Other Protection Equipment/Clothing

Electronically ground all equipment used in processing and handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Beads or Pellets
Color	Colorless to white
Odor	None
pH	Not applicable
Specific Gravity	1.04-1.07
Boiling Range/Point	Not applicable
Flash Point	Not applicable
Explosion Limits (%)	Not applicable
Solubility in Water	Insoluble
Vapor Density (Air=1)	Not applicable
Evaporation Rate (butyl acetate=1)	Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage.

Materials to Avoid: Excessive heat and ignition sources.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When heated to decomposition—carbon dioxide, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

No acute toxicity data is available for product or components.

Cancer Status: Not listed as carcinogen by IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

No ecotoxicity data is available.

13. DISPOSAL

Dispose of material in accordance with all local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

UN Proper Shipping Name	Not regulated
UN Label	None
UN Identification Number	None
Hazardous Ingredients	None
Placards	None
Reportable Quantity	None

15. REGULATORY INFORMATION

TSCA Listed	Yes
SARA Title III Section 302	No
SARA Title III Section 311/312	No
SARA Title III Section 313	No

16. OTHER INFORMATION

Abbreviations

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

NIOSH: National Institute for Occupational Safety & Health

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program
IARC: International Agency for Research on Cancer

MSDS Date: 07/2006

Disclaimer: All information and recommendations concerning product is based on tests and data believed to be reliable; however it is the user's responsibility to determine the safety, toxicity and suitability for the user's own use of the product described herein. Since the actual use by others is beyond our control, no guarantee expressed or implied is made by Grinding & Sizing Company. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular conditions exist or because of applicable laws or government regulations.