

## Safety Data Sheet

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### SECTION 1: IDENTIFICATION

#### 1.1 Product Identifier

Product Name: Shur-Pak Glass Beads Filter Pack

#### 1.2 Intended Use of the Product

Glass beads are used as: High performance filter media for single-, multi-layer and multi-media filtration at water reclaiming and water treatment systems.

#### 1.3 Contact Information of the Manufacturer

Anhui Tory Materials Technology Inc.  
NO.609 Tianhe Road  
Bengbu City, Anhui Province 233000, China

Johnson Screens / Aqseptence Group  
1950 Old Highway 8 NW  
New Brighton, MN 55112, USA  
Telephone: +1-651-636-3900  
<http://www.johnsonscreens.com/>

#### 1.4 Emergency Telephone Number

Emergency Number: +1-651-636-3900

### SECTION 2: HAZARDOUS IDENTIFICATION

#### 2.1 GHS/CLP-Classification:

Not a dangerous product according to the Globally Harmonized System (GHS) and CLP. As shipped, this product does not pose any health hazard because it does not contain ingredients which are known to cause immediate or serious side effects.

#### Additional Danger Advice:

In case of inappropriate handling, different kinds of injuries are possible – keep away from children. Risk of slipping due to spillage of product.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance

Beads made of Soda lime glass.

CAS# 65997-17-3

EINECS# 266-046-0

### 3.1 Mixture

Name	Product Identifier	Weight %	CAS-No.
Silicon dioxide SiO <sub>2</sub>	Amorphous, no hazardous substance	70-74	7631-86-9
Sodium oxide Na <sub>2</sub> O	WaterReact.2;H261 Skin Corr.1B;H314	12-15	1313-59-3
Calcium oxide CaO	STOT.SE.3;H335 Skin.Irrit.2;H315 Eye Dam.1;H318	Max. 10	1305-78-8
Aluminum oxide Al <sub>2</sub> O <sub>3</sub>	No hazardous substance	Max. 5	1344-28-1
Magnesium oxide MgO	No hazardous substance	Max. 5	1309-48-4
Potassium oxide K <sub>2</sub> O	No hazardous substance	Max. 1	N/A
Ferric oxide Fe <sub>2</sub> O <sub>3</sub>	No hazardous substance	Max. 1	N/A
Sulfur trioxide SO <sub>3</sub>	No hazardous substance	Max. 1	N/A

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**Skin contact:** Wash skin with soap and water.

**Eye Contact:** Remove particle carefully from the affected eye. If need be, remove contact lens. Rinse eye thoroughly with plenty of water. Contact physician if needed.

**Ingestion:** Consult a physician after swallowing large quantities.

**Inhalation:** Provide fresh air.

**Note to physicians:** Decontamination and symptomatic treatments are sufficient in most cases.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 Extinguishing Media

**Suitable Extinguishing Media:** The product itself is neither combustible nor explosive. Extinguishing agents have to be coordinated with the surrounding fire.

**Unsuitable Extinguishing Media:** Unknown.

### 5.2 Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not flammable.

**Explosion Hazard:** Product is not explosive.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Cleaning procedures and absorption:** Risk of slipping if the product is spilled on the floor. Isolate the area and sweep the floor by vacuum in order to collect the beads to avoid slipping on the beads.

**6.2 Environmental precautions:** No special actions necessary.

**6.3 Methods and Materials for containment and cleaning up:** Dry absorption and reutilization of the product.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

**Technical Protective Measures:** No data available. The product itself is neither combustible nor explosive.

### 7.2 Conditions for Safe Storage, Including Any Incompatibilities

**Storage Requirements:** Store closed containers in a dry place, protected from direct sunlight.

**Joint Storage:** No specially known incompatible materials.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Exposure Limits

Mechanical dry processing of the product can generate a risk of dust: The local limits of dust concentration at the work have to be considered.

Parameter	CAS-Number	Value
General Dust Limit	N/A	10 mg/m <sup>3</sup> E 3 mg/m <sup>3</sup> A
Silica, amorphous (Silicon dioxide)	7631-86-9	4 mg/m <sup>3</sup> E
		E = Breathable Dust A = Alveolar Dust

### 8.2 Monitoring in the Workplace

**General Work Protection:** Do not inhale dust. Avoid contact with eyes and skin. In addition it is recommended to wear hand-, skin- and mouth protections.

**Hygiene Measure:** Do not eat, drink or smoke during work. Wash hands prior to breaks and after finishing work. Change soiled clothes.

**Technology Protection Measure:** An onsite extraction system is required in the event of gathered dust and thermal pollution from the product.

**Respiratory Protection:** Respiratory protective device with a particle filter.

**Hand Protection:** Suitable protective gloves are recommended.

**Eye Protection:** Side-shielded safety glasses or goggles are recommended.

**Body Protection:** Generally, normal working clothes are sufficient.



**Restrictions and Monitoring of Environmental Exposure:** There are no known properties of the product, that pose dangers to the environment. General operational measures are sufficient to protect the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties

Physical State:	Solid Sphere	Odor:	Odorless
Appearance:	Transparent	Melting Point:	1450-1500 °C
pH:	N/A	Softening Point:	700-750 °C
Self-Ignition Point:	N/A	Deformation Temp:	580-650 °C
Blaze Properties:	N/A	Risk of Explosion:	N/A
Vapor Pressure:	N/A	Specific Weight:	2.5 kg/l
Bulk Density:	1.5 kg/l	Water Solubility:	Insoluble in Water
Partition Coeff.	G	Viscosity:	N/A
Vapor Density:	N/A	Evaporation Speed:	N/A

**9.2 Other Information:** There are no further details required regarding safety-relevant parameters.

**SECTION 10: STABILITY AND REACTIVITY**

In case of appropriate handling and storage no dangerous reactions will occur. The product is stable and non-reactive under normal conditions. This product will react with hydrofluoric, fluorosilicic, and phosphoric acids to produce corrosive gases. Hot, strong alkaline solutions will react with this product.

**SECTION 11: TOXICOLOGICAL INFORMATION**

In case of appropriate handling and storage no dangerous reactions will occur. The product is stable and non-reactive under normal conditions. This product will react with hydrofluoric, fluorosilicic, and phosphoric acids to produce corrosive gases. Hot, strong alkaline solutions will react with this product.

**11.1 Particle Size:**

**Inhalable** (< 100  $\mu\text{m}$ ) – when deposited anywhere in the respiratory tract.

**Thoracic** (< 25  $\mu\text{m}$ ) – when deposited anywhere within the lung airways and the gas-exchange region.

**Respirable** (< 10  $\mu\text{m}$ ) – when deposited in the gas-exchange region.

**SECTION 12: ECOLOGICAL INFORMATION**

No ecological data is available at this time.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Pickup and reuse clean materials, avoiding dusting situations. Dispose of waste materials only in accordance with applicable federal, state, and local laws and regulations. This product is not hazardous as a waste. Check with local landfills before disposing in trash. Dispose of in closed containers to avoid dusting.

**13.1 Waste Treatment Methods**

**Sewage Disposal Recommendations:** Diluted product will not disrupt waste water treatment. Do not empty into drains; dispose of this material and its container in a safe way.

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

Not regulated per U.S. DOT, IATA or IMO.

**14.1 Transportation Requirements**

**DOT Hazard Classification:** None

**Placard Required:** None

**Label Required:** Use original label including all warnings. When disposing of this material in its pure form use a DOT “Non-Hazardous Waste” label. This material is classified as “non-hazardous” according to U.S. and international shipping regulation.

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture****US REGULATIONS**

**SARA Section 313 (40 CFR 372):** This product contains the following toxic chemical(s) subject to reporting requirements of SARA 313: None

**SARA Section 311/312 (40 CFR 370) Hazard Categories:** Not hazardous

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act (TSCA):** All of the components of this product are listed on the TSCA inventory.  
**California:** This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity: None

**INTERNATIONAL CHEMICAL INVENTORIES**

**Canadian Environmental Protection Act:** All of the components of this product are listed on the Canadian Domestic Substances List (DSL) or exempt.

**Toxic Substances Control Act (TSCA):** All of the components of this product are listed on the TSCA inventory.

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION****16.1 Summary of H Statements**

H261	In contact with water releases flammable gases.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H355	May cause respiratory irritation.

**16.2 Recommended Limitations of Use:** Glass beads are not a toy and must therefore be stored away from children.

**16.3 Further Information:**

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New Brighton, MN, 55112, USA  
Phone: +1 651 636 3900  
Email: info@johnsonscreens.com

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