Potters Industries Inc.
an affiliate of The PQ Corporation

MSDS

MATERIAL SAFETY DATA SHEET

Trade Name: **GLASS IMPACT BEADS**
Date Prepared: **01/03/06**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:	**GLASS IMPACT BEADS**
Product description:	**Spherical glass beads.**
Manufacturer:	**Potters Industries, Inc.** **P. O. Box 840** **Valley Forge, PA 19482 USA**
Telephone:	**610-651-4200**
In case of emergency call:	**610-651-4200**
For transportation emergency Call CHEMTREC:	**800-424-9300**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical and Common Name	*CAS Registry Number*	*Wt. %*	*OSHA PEL*	*ACGIH TLV*
Glass, oxide; Glass	**65997-17-3**	**~100%**	**15mg/m^3 total dust, 5mg/m^3 respirable**	**10 mg/m^3 inhalable, 3 mg/m^3 respirable**

3. HAZARDS IDENTIFICATION

Emergency Overview:	**Noncombustible glass beads. Spilled material is extremely slippery.**
Eye contact:	**When used for abrasive blasting, this material can rebound or fragment into sharp particles, which are hazardous to the eyes. Material as supplied is practically non-irritating to eyes.**
Skin contact:	**When used for abrasive blasting, this material can rebound or fragment into sharp particles, which are hazardous to the skin. Material as supplied is slightly irritating to skin.**
Inhalation:	**When used for abrasive blasting, this material can fragment into respirable particles and can also generate hazardous air contaminants from the material being blasted. Material as supplied may cause irritation to respiratory tract.**
Ingestion:	**No known hazard.**
Chronic hazards:	**No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.**
Physical hazards:	**Spilled material is extremely slippery. Noise is a major hazard in abrasive blasting processes. Abrasive blasting can generate heat, sparks, and static electrical charge.**

4. FIRST AID MEASURES

Eye:	**In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.**
Skin:	**In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.**
Inhalation:	**Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.**
Ingestion:	**Not applicable.**

5. FIRE FIGHTING MEASURES

Flammable limits:	**This material is noncombustible.**
Extinguishing Media:	**This material is compatible with all extinguishing media**
Hazards to fire-fighters:	**See Section 3 for information on hazards when this material is present in the area of a fire.**
Fire-fighting equipment:	**The following protective equipment for fire fighters is recommended when this material is present in the area of a fire: rubber boots with slip-resistant soles.**

6. ACCIDENTAL RELEASE MEASURES

Personal protection:	**Wear rubber boots with slip-resistant soles, and NIOSH-approved dust respirator where dust occurs. See section 8.**
Environmental Hazards:	**Sinks in water. No known hazard to aquatic life.**
Small spill cleanup:	**Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.**
Large spill cleanup:	**Keep unnecessary people away; isolate hazard area and deny entry. Do not walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.**
CERCLA RQ:	**There is no CERCLA Reportable Quantity for this material.**

7. HANDLING AND STORAGE

Handling:	**Avoid contact with eyes, skin, and clothing. Do not breathe dust. Promptly clean up spills. Clean up dust from abrasive blasting by wet sweeping or vacuum with high efficiency particulate (HEPA) filter.**
Storage:	**Keep containers closed. Store in clean metal, fiber or plastic containers.**

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:	**Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.**
Respiratory protection:	**Use a NIOSH-approved respirator. Observe OSHA regulations for abrasive blasting (29 CFR 1910.94) respirator use (29 C.F.R. §1910.134).**

Skin protection:	**Wear heavy canvas or leather gloves and aprons or equivalent.**
Eye protection:	**Wear safety goggles and face shield where respirator design does not provide such protection.**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	**Glass beads**
Color:	**White.**
Melting point:	**Approximately 730° C.**
Odor:	**Odorless.**
pH:	**Not applicable.**
Specific gravity:	**Approximately 2.46-2.49 g/cm^3**
Solubility in water:	**Insoluble.**

10. STABILITY AND REACTIVITY

Stability:	**This material is stable under all conditions of use and storage.**
Conditions to avoid:	**None.**
Materials to avoid:	**Dissolves in hydrofluoric acid.**
Hazardous decomposition products:	**None known.**

11. TOXICOLOGICAL INFORMATION

Acute Data:	**When tested for primary irritation potential, this material was practically nonirritating to eyes and slightly irritating to skin. The acute oral toxicity of this product has not been tested. A similar spherical glass powder was nontoxic to rats at 5,000 mg/kg. All animals survived, gained weight and appeared active and healthy. There were no signs of gross toxicity, adverse pharmacologic effects or abnormal behavior.**
Subchronic Data:	**There are no known reports of subchronic toxicity of nonfibrous glass.**
Special Studies:	**There are no known reports of carcinogenicity of nonfibrous glass. Nonfibrous glass is not listed by IARC, NTP or OSHA as a carcinogen.**

12. ECOLOGICAL INFORMATION

Eco toxicity:	**There are no known reports of ecotoxicity of nonfibrous glass.**
Environmental Fate:	**This material is persistent but inert in aquatic systems. It will not bioconcentrate up the food chain.**
Physical/Chemical:	**Sinks in water. Insoluble in water.**

13. DISPOSAL CONSIDERATIONS

Classification:	**Disposed material is not a hazardous waste.**
Disposal Method:	**Dispose in accordance with federal, state and local regulations.**

14. TRANSPORT INFORMATION

DOT UN Status:	**This material is not regulated hazardous material for transportation.**

15. REGULATORY INFORMATION

CERCLA:	**No CERCLA Reportable Quantity has been established for this material.**
SARA TITLE III:	**Not an Extremely Hazardous Substance under §302 Not a Toxic Chemical under §313.**
TSCA:	**All ingredients of this material are listed on the TSCA inventory.**
FDA:	**Glass is regarded by FDA as Generally Recognized As Safe (GRAS) for use in contact with food.**

16. OTHER INFORMATION

Prepared by:	**John G. Blumberg**
Supercedes revision of:	**02/01/05**

THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO POTTERS INDUSTRIES, INC. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. POTTERS INDUSTRIES, INC. MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OR THE PRODUCT TO WHICH IT RELATES, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OR HANDLING OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.