Potters Industries Inc.
an affiliate of The PQ Corporation

MSDS

MATERIAL SAFETY DATA SHEET

Trade Name: **Highway Safety Spheres with Coating**
Date Prepared: **06/01/05**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:	**Highway Safety Spheres with Coating**
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**	**>99%**	**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:	**Practically non-irritating to the eyes.**
Skin contact:	**Slightly irritating to skin.**
Inhalation:	**May cause irritation.**
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.**

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, 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:	**None required.**
Ingestion:	**None required.**

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 and skin. Avoid breathing dust. Keep container closed. Promptly clean up spills.**
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. Eyewash station should be within direct access.**
Respiratory protection:	**Use a NIOSH-approved dust respirator where dust occurs. Observe OSHA regulations for respirator use (29 C.F.R. §1910.134).**
Skin protection:	**Wear body-covering clothing.**
Eye protection:	**Wear safety glasses.**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	**Glass bead.**
Color:	**White.**
Melting point:	**Approximately 730° C.**
Odor:	**Odorless.**
pH:	**Not applicable.**
Specific gravity:	**Approximately 2.5 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, a similar material was practically non-irritating to the eyes and slightly irritating to the skin. The acute oral toxicity of this product has not been tested. A similar material 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.**