

**MATERIAL SAFETY DATA SHEET**

**GLASS SPHERES - A SERIES, P SERIES**

**HMIS RATING: 0,0,0**

<b>SECTION 1</b>	<b>IDENTIFICATION OF PRODUCT</b>
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<b>MANUFACTURER</b>	Potters Industries Inc.
<b>ADDRESS</b>	Southpoint, P. O. Box 840, Valley Forge, PA 19482-0840
<b>24-HOUR EMERGENCY TEL. NO.</b>	610-651-4700
<b>SALES NAME</b>	Glass Spheres - A Series, P Series
<b>CHEMICAL NAME</b>	Glass Oxide
<b>COMPONENTS</b>	Soda Lime Glass
<b>TSCA CAS REGISTRY NO(S)</b>	65997-17-3
<b>DOT HAZARD CLASS</b>	N.A.
<b>DOT SHIPPING NAME</b>	N.A.

<b>SECTION 2</b>	<b>CHEMICAL AND PHYSICAL DATA</b>
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<b>APPEARANCE &amp; ODOR</b>	Odorless white powder
<b>SPECIFIC GRAVITY</b>	2.46-2.49 g/cc
<b>SOLUBILITY IN WATER</b>	Insoluble
<b>pH (aqueous liquids only)</b>	N.A.
<b>OTHER CHARACTERISTICS</b>	Softening point 730°C

<b>SECTION 3</b>	<b>FIRE AND EXPLOSION HAZARD DATA</b>
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<b>FLASH POINT (°F)</b>	Non-combustible and non-flammable.
<b>FLAMMABLE LIMITS (vapor in air, vol. %)</b>	N.A.
<b>FIRE EXTINGUISHING MEDIA</b>	N.A.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	N.A.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	None

<b>SECTION 4</b>	<b>REACTIVITY DATA</b>
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<b>STABILITY</b>	Stable
<b>CONDITIONS TO AVOID</b>	None
<b>INCOMPATIBILITY (materials to avoid)</b>	Hydrofluoric Acid
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None
<b>HAZARDOUS POLYMERIZATION</b>	Will not occur

<b>SECTION 5</b>	<b>SPILL OR LEAK PROCEDURES</b>
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<b>ENVIRONMENTAL HAZARDS</b>	No adverse effects known or suspected. Not an RCRA hazardous substance or OSHA hazardous chemical. Does not contain a listed toxic chemical under SARA Title III §302, §304 or §313.
<b>SPILLAGE</b>	Sweep up and discard.
<b>WASTE DISPOSAL METHOD</b>	Landfill according to local, state and federal regulations.
<b>OTHER PRECAUTIONS</b>	Spillage may result in slippery conditions. When transporting material, care should be taken to avoid dusting.

GSMoT# 42045

**MATERIAL SAFETY DATA SHEET**

Glass Beads

**GLASS SERIES - A SERIES, P SERIES**

<b>SECTION 6</b>	<b>HEALTH HAZARD DATA</b>
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<p><b>HEALTH HAZARDS</b></p> <p><b>ROUTE(S) OF ENTRY</b></p> <p><b>CARCINOGENICITY</b></p> <p><b>MEDICAL CONDITIONS</b></p> <p><b>EMERGENCY AND FIRST AID PROCEDURES</b></p> <p><b>OTHER CHARACTERISTICS</b></p>	<p>Dust in excess of recommended exposure limits may result in irritation to the respiratory tract.</p> <p>Inhalation</p> <p>Not listed under NTP, IARC Monographs, or OSHA.</p> <p>Chronic lung conditions may be aggravated by exposure to high concentrations of dust.</p> <p>Remove to fresh air</p> <p>Contains no free silica; all components amorphous/non-crystalline.</p>
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<b>SECTION 7</b>	<b>SPECIAL PROTECTION INFORMATION</b>
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<p><b>RESPIRATORY PROTECTION</b></p> <p><b>GLOVES</b></p> <p><b>EYE PROTECTION</b></p> <p><b>OTHER PROTECTIVE EQUIPMENT</b></p> <p><b>PERSONAL HYGIENE</b></p> <p>out</p> <p><b>ENGINEERING CONTROL</b></p>	<p>Use NIOSH approved dust mask or respirator where airborne dust is generated. Observe OSHA regulations for respirator use (29 CFR 1910.134)</p> <p>None required.</p> <p>NIOSH approved safety glasses or goggles.</p> <p>None required.</p> <p>Avoid breathing dust. Avoid contact with eyes. Wash eyes immediately after contact.</p> <p>Local exhaust is recommended for operations that generate nuisance dust in excess of OSHA exposure limits.</p>
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<b>SECTION 8</b>	<b>SUBSTANCES FOR WHICH STANDARDS HAVE BEEN SET</b>
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<p><b>COMPONENTS</b></p> <p><b>PERCENTAGE</b></p> <p><b>OSHA EXPOSURE LIMIT</b></p> <p><b>EXPOSURE ANALYSIS METHOD</b></p>	<p>Glass Oxide, C.A.S. 65997-17-3</p> <p>100%</p> <p>Nuisance Dust: OSHA PEL 15 mg/m<sup>3</sup>, ACGIH TLV 10 mg/m<sup>3</sup>. Respirable Fraction: OSHA PEL 5 mg/m<sup>3</sup>, ACGIH TLV 5 mg/m<sup>3</sup>.</p> <p>NIOSH Manual of Analytical Methods, 3rd., Method 7501 (1984).</p>
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<b>SECTION 9</b>	<b>SOURCE OF INFORMATION</b>
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Walter E. Kozlowski

DATE: 2/1/98

N.A. = Not applicable