



# SAFETY DATA SHEET

## P2453BTA METALLIZED GLASS MICROSPHERES

SECTION 1	CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
Product Name	<b>P2453BTA METALLIZED BARIUM TITANATE GLASS MICROSPHERES</b>
Product Description	Grey spherical glass powder
Manufactured for	<b>PRIZMALITE INDUSTRIES INC.</b> 380 Lexington Ave, 17th Floor, New York, NY 10168
24-Hour emergency telephone	800-424-9300 North America • 1-703-527-3887 for international calls (collect calls accepted)

SECTION 2	HAZARDS IDENTIFICATION
Emergency Overview	Noncombustible grey powder. Spilled material is extremely slippery.
Eye contact	No known hazard.
Skin contact	No known hazard.
Inhalation	No known hazard.
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.
GHS Classification	Not classified as dangerous for supply/use.

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
Chemical and Common Name	GLASS, Oxide • ALUMINUM, Metal • Hemispherically Aluminum-coated Barium Titanate Glass
CAS Registry Numbers	65997-17-3; 7429-90-5 • EINECS/ REACH Registration 266-046-0
Weight %	Glass, Oxide, Aluminum Shell 100%

SECTION 4	FIRST AID MEASURES
Eye	In case of contact, flush with plenty of water.
Skin	None required.
Inhalation	None required.
Ingestion	None required.

SECTION 5	FIRE FIGHTING MEASURES
Flammable limits	This material is noncombustible.
Extinguishing media	Compatible with all extinguishing media.
Hazards to fire-fighters	See Section 2.
Fire-fighting equipment	Rubber boots with slip-resistant soles recommended.

SECTION 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	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	Do not walk through spilled material. Shovel or sweep it up and place it 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.

SECTION 7	HANDLING AND STORAGE
Handling	Avoid breathing dust. Keep containers closed. Promptly clean up spills.
Storage	Keep containers closed. Store in manufacturer's packaging or clean metal, fiber or plastic containers.

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
OSHA PEL/ACGIH TLV	15mg/m3 total dust • 5mg/m3 respirable • 10mg/m3 inhalable • 5mg/m3 respirable
Engineering controls	Use with adequate ventilation. Eyewash fountain 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	Not required.
Eye protection	Wear safety glasses.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
Physical State	Amorphous solid
Odor	Odorless
Melting Range	730 - 830°C for Glass; ~600°C for Aluminum Shell.
pH	Not applicable; [insoluble in water].
Density	~4.5 g/cm3
Flammability	Non-flammable in all physical states.
Ignition Temperature	Does not ignite.
Flash Point	Not applicable; [no flammable vapors produced].
Solubilities	Glass is insoluble in water and all solvents. Aluminum Shell can react with acids < pH4 and strong alkali.

SECTION 10	STABILITY AND REACTIVITY
Reactivity	Glass reacts with very strong alkali and hydrofluoric acid but is immune to other acids and dilute bases. Aluminum Shell can react with acids < pH4 and strong alkali.
Chemical Stability	Stable under all conditions of use and storage.
Hazardous Reactions	Glass has none. Evolution of hydrogen gas is possible when aluminum is in the presence of acids with < pH 4.
Conditions to Avoid/Incompatible Materials	Glass can dissolve in hydrofluoric acid and reacts with concentrated alkali. Aluminum Shell will dissolve in the presence of acids with < pH 4 or strong alkali.
Hazardous Decomposition Products	None.

SECTION 11	TOXICOLOGICAL INFORMATION
Acute Data	This material has not been tested for acute eye irritation potential. Materials of similar composition are classified as practically non-irritating to eyes. • This material has not been tested for acute skin irritation potential. Materials of similar composition are classified as a non-primary irritant. • This material has not been tested for acute oral toxicity. Materials of similar composition had a Single Dose Acute Oral LD50 in rats greater than 5000 mg/kg.
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.

SECTION 12	ECOLOGICAL INFORMATION
Ecotoxicity	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	Sinks in water. Insoluble in water.

SECTION 13	DISPOSAL CONSIDERATIONS
Classification	Disposed material is not a hazardous waste.
Disposal Method	Landfill in accordance with federal, state and local regulations.

SECTION 14	TRANSPORT INFORMATION
DOT UN Status	This material is not regulated hazardous material for transportation.

SECTION 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 with NO restrictions for use.

Prepared by Prizmalite Industries Inc. Revised June 2015

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