

MATERIAL SAFETY DATA SHEET

Trade Name: **Spex•Lite® 6810 Ultra Light Filler Beads**
Date Prepared: **03/17/08**

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **Spex•Lite® 6810 Ultra Light Filler Beads**
Product description: **Polymer beads with coating**
Manufacturer: **Schabel Polymer Technology, LLC**
345 Wagar Road
Rocky River, Ohio 44116 USA
Telephone: **440-333-5615**
In case of emergency call: **440-333-5615**
For transportation emergency
Call CHEMTREC: **800-424-9300**

2. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Chemical and Common Name</i>	<i>CAS Registry Number</i>	<i>Wt. %</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>
Polystyrene	9003-53-6	90.0 to 98%	50 mg/m3 8-hour PEL	20 mg/m3 TLV
Polyphenylene Oxide	25134-01-4	0.0 to 8.0%	10 mg/m3 8-hour PEL	
Pentane	109-66-0	<1.5%	1000 mg/m3 8-hour TWA	
Coating		<1.0%		

3. HAZARDS IDENTIFICATION

Emergency Overview: **Not harmful to health or environment under normal conditions of use.**
Eye contact: **Dust particles may cause mechanical irritation.**
Skin contact: **Direct contact may cause slight skin irritation.**
Inhalation: **May cause respiratory discomfort similar to inhalation of too much "inert" or nuisance dust.**
Ingestion: **No known hazard.**
Chronic hazards: **No known chronic hazards.**
Physical hazards: **None.**

4. FIRST AID MEASURES

Eye: **In case of contact with dust particles, rinse eyes with water for at least 15 minutes. Seek medical attention if irritation persists.**
Skin: **Wash exposed areas with mild soap and water.**
Inhalation: **Move person to fresh air. If breathing difficult, seek medical attention.**

Inhalation: Not expected to create an inhalation hazard.
Ingestion: Not applicable under normal conditions of use.

5. FIRE FIGHTING MEASURES

Flammable limits: 675°F (ASTM D-1929 per bead manufacturers' tests).
Extinguishing Media: Water fog, carbon dioxide, foam and dry chemical.
Hazards to fire-fighters: Incomplete thermal decomposition or burning may release hazardous products and/or flammable vapors with dense, black smoke. Smoke consists of carbon monoxide, carbon dioxide and styrene, and other undetermined hydrocarbons.
Fire-fighting equipment: Use self-contained breathing apparatus respirator and approved personal protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Safety goggles or glasses should be worn for all industrial operations. Use approved dust masks.
Environmental Hazards: No known environmental hazards.
Small spill cleanup: Carefully shovel or sweep up spilled material and place in suitable container for proper disposal. Avoid generating dust.
Large spill cleanup: Spilled product may create slipping hazard. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE) if dusting occurs.
CERCLA RQ: There is no CERCLA Reportable Quantity for this material.

7. HANDLING AND STORAGE

Handling: In order to avoid static discharge, equipment should be made of conducting material. Use proper static grounding practices.
Storage: Keep containers closed. Keep away from heat or ignition sources. Store in clean metal, fiber or plastic containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Static grounding practices should be used.
Respiratory protection: Use a NIOSH-approved dust respirator where dusting occurs. Observe OSHA regulations for respirator use (29 C.F.R. §1910.134) should airborne dust levels exceed OSHA permissible exposure limit (PEL).
Skin protection: Under anticipated conditions of normal use, follow precautions for protection against minor skin irritation.
Eye protection: Safety goggles or glasses should be worn for all industrial operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance:</i>	Loose, small, ultra light beads.
<i>Color:</i>	White.
<i>Melting point:</i>	Approximately 200-210° F.
<i>Odor:</i>	Odorless.
<i>pH:</i>	Not applicable.
<i>Bulk density:</i>	Range: 0.8 to 2.0 pcf.
<i>Solubility in water:</i>	Insoluble.
<i>Bead size range:</i>	0.3 to 1.5 mm.

10. STABILITY AND REACTIVITY

<i>Stability:</i>	This material is stable under expected conditions of use and storage.
<i>Conditions to avoid:</i>	Fire and high temperatures.
<i>Materials to avoid:</i>	Hydrocarbons, esters, insecticides, amines and aldehydes.
<i>Hazardous decomposition products:</i>	Carbon monoxide, acid gases, water, carbon dioxide, carbon.

11. TOXICOLOGICAL INFORMATION

<i>Acute Data:</i>	LD50 not available.
<i>Subchronic Data:</i>	There are no known reports of subchronic toxicity.
<i>Special Studies:</i>	Although OSHA does not regulate styrene as a carcinogen, the Hazard Communication Standard does require notation of the International Agency for Research on Cancer's (IARC's) 'possible carcinogen' classification of styrene. The HCS does not require any specific labeling for products made from or containing styrene or the IARC 2B compounds. ACGIH has determined that styrene was not classifiable as a human carcinogen.

12. ECOLOGICAL INFORMATION

<i>Eco toxicity:</i>	There are no known reports of ecotoxicity of polystyrene.
<i>Environmental Fate:</i>	This material is inert in aquatic systems. It will not bioconcentrate up the food chain.
<i>Physical/Chemical:</i>	Insoluble in water.

13. DISPOSAL CONSIDERATIONS

<i>Classification:</i>	Disposed material is not typically considered a hazardous waste.
<i>Disposal Method:</i>	Dispose in accordance with federal, state and local regulations.

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14. TRANSPORT INFORMATION

DOT UN Status: **This material is not a 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: **Not applicable.**

16. OTHER INFORMATION

Prepared by: **Ned Schabel**

Supersedes revision of: **N/A**

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