

MATERIAL SAFETY DATA SHEET

Manufacturer's Name: SEM-COM Company
 Address: PO Box 8428
 Toledo OH 43623
 Telephone: 419-537-8813
 Emergency Telephone: 419-537-8813

Manufacturer's Product ID: **SCB-2**
 Manufacturer's Contact: A. Dennis
 Date Prepared: May 23, 2007

DEPOSITION
 EXHIBIT
7
 DW/HT 5/30/15

SECTION 1 - IDENTITY

Common Name: **SCB-2** CAS NO.: **None**
 Chemical Name: **Lead Zinc Borate Glass** Chemical Family: **Inorganic Glass**
 Formula: **See Section 2**

SECTION 2 - HAZARDOUS INGREDIENTS

	CAS NO.	%	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)
* Lead Oxide (PbO)	1317-36-8	< 75	.05 as Pb	.05 as Pb
Boron Oxide (B ₂ O ₃)	1303-86-2	< 25	15	10
* Zinc Oxide (ZnO)	1314-13-2	< 10	10 (dust), 5 (fume)	15 (5 : esp.) dust, 5 (fume)
Silicon Dioxide (SiO ₂), amorphous	7631-86-9	< 5	6	10
Aluminum Oxide (Al ₂ O ₃)	1344-28-1	< 5	15 (5 resp.)	10
* Barium Oxide (BaO)	1304-28-5	< 5	.5 as Ba (sol.)	.5 as Ba (sol.)
* Cupric Oxide (CuO)	1317-38-0	< 5	1 (dust), .1 (fume); as Cu	1 (dust), .2 (fume); as Cu

* Listed under Section 313 of Title 3 (SARA). The balance of this product is composed of materials classified by ACGIH as non-toxic or nuisance dust. (PEL=15 mg/m³, TLV=10 mg/m³)

NOTE: Glass is formed by melting and rapidly quenching a combination of materials; the individual chemical constituents then become components of the glass and do not exhibit the same properties as in their state.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point: **NA** Vapor Density (Air =1): **NA** Vapor Pressure (mm Hg): **NA**
 Volatile by Volume: **NA** Evaporation Rate: **NA** Specific Gravity (water =1): **5.4**
 Solubility in Water: **Moderate** Reactivity in Water: **None** Melting Point: **1200°C**
 Appearance and Odor: **Odorless, green solid or powder**
 Flash Point: **NA** Flammability Limits (lower): **NA** Extinguisher media: **Same as for surrounding area.**
 Auto-Ignition Point: **NA** Flammability Limits (upper): **NA**
 Special Fire Fighting Procedures: **Wear pressure-demand, self contained breathing apparatus with appropriate personal protection equipment.**
 Fire & Explosion Hazards: **Lead Oxide can be an oxidizing agent for combustible materials when hot.**
 TSCA (Toxic Substance Control Act) **Components of this product are listed on the TSCA Inventory.**

Manufacturer's Product I.D.: **SCB-2**

SECTION 4 - PHYSICAL HAZARDS

Stability: Unstable: Stable: Incompatibility (materials to avoid): **Chlorinated rubber + PbO will react when heated** Hazardous Decomposition Products: **PbO when heated**

Conditions to Avoid: **Avoid generating dust and fumes; avoid reheating and remelting at high temperatures.** Hazardous Polymerization: } May Occur: Will Not Occur:

SECTION 5 - HEALTH HAZARDS

Threshold Limit Value: **See Section 2**

Signs & Symptoms of Exposure } Acute overexposure: **Stupor, coma, death**
Chronic overexposure: **Headache, nausea, cramps, dizziness, weakness, diarrhea, and loss of appetite**

Medical Conditions Generally Aggravated by Overexposure: **Respiratory system and circulatory system disorders**

Chemical listed as Carcinogen or Potential Carcinogen } National Toxicology Program: YES NO I.A.R.C. Monographs: YES NO OSHA: YES NO

OSHA Permissible Exposure Limit: **See Section 2**
ACGIH Threshold Limit Value: **See Section 2**

Emergency & First Aid Procedures:

1. Inhalation: **Remove to fresh air, consult physician**
2. Eyes: **Immediately flush eyes with large amounts of fresh water, consult physician**
3. Skin: **Immediately wash skin with soap and water.**
4. Ingestion: **Contact physician promptly. Gastric lavage may be required**

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: **Half face/HEPA @ 500 µg/m³, self contained breathing apparatus >500µg/m³**
Ventilation: **Local exhaust recommended.**
Personal Protective Equipment: **Gloves, eye protection and full body clothing are recommended. Special handling of contaminated clothing may be required**

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/ LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: **Store in closed container away from food. Prevent dusting and practice good housekeeping and hygiene.**

Other Precautions: **Do not allow eating, smoking or drinking in storage area.**

Steps to be Taken in Case Material is Released or Spilled: **Clean up immediately. Use vacuum or wet mop. Do not dry broom or blow with air which would suspend dust in air.**

Waste Disposal Methods: **Refer to local and federal EPA regulations.**