



# MATERIAL SAFETY DATA SHEET

<b>SECTION 1. Chemical Product and Company Identification</b>			
<b>Product Name:</b>	STC Type "B" Glass Coating	<b>Chemical Name:</b>	Alumino Silicate Glass
<b>Supplier:</b>	Superior Technical Ceramics Corp. 600 Industrial Park Road St. Albans, VT 05478 (802) 527-7726 phone (802) 527-1181 fax	<b><u>In Case of Emergency Call:</u></b>  (802) 527-7726	
<b>Synonym:</b>	GLZ 4200		
<b>Material Use:</b>	Glass coating of ceramic components.		
<b>Date Prepared:</b>	May 1, 2008		
<b>Prepared By:</b>	Brian H. Gold		

<b>SECTION 2. Composition, Information or Ingredients</b>
Exact chemical additives are proprietary. Glass composition is primarily silica and alumina with secondary glass formers of calcia, potassia soda and strontia. Trace ingredients include iron, titania, magnesia and baria. Lead is not present in this composition.

<b>SECTION 3. Hazards Identification</b>			
<b>Emergency Overview:</b>			
Product poses no known hazard.			
<b>Health Rating:</b>	<b>Flammability Rating:</b>	<b>Reactivity Rating:</b>	<b>Contact Rating:</b>
0 – None	0 – None	0 – None	0 – None
<b>Lab Protective Equipment:</b>	n/a		
<b>Storage Color Code:</b>	n/a		
<b>Potential Health Effects:</b>			
<b>Inhalation:</b>	n/a		
<b>Ingestion:</b>	Not known to be toxic.		
<b>Skin Contact:</b>	Inert		
<b>Eye Contact:</b>	n/a		
<b>Chronic Exposure:</b>	n/a		
<b>Aggravation of Pre-existing Conditions:</b>	Not expected to be a health hazard.		



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**SECTION 4. First Aid Measures**

<b>Inhalation:</b>	n/a
<b>Ingestion:</b>	n/a
<b>Eye Contact:</b>	n/a
<b>Skin Contact:</b>	n/a

**SECTION 5. Fire-Fighting Measures**

<b>Fire:</b>	Not considered a fire hazard.
<b>Explosion:</b>	Not considered an explosion hazard.
<b>Fire Extinguishing Media:</b>	n/a
<b>Special Information:</b>	n/a

**SECTION 6. Accidental Release Measures**

No known restrictions.

**SECTION 7. Handling and Storage**

Minimize rough handling – may result in chipping. No special storage requirements or limitations.

**SECTION 8. Exposure Controls and Personal Protection**

<b>Manufacturing Controls:</b>	If machining occurs on glass coating, use high speed diamond wheels with high pressure coolant delivery to capture dust and minimize chipping on desired product. No known hazards exist for grinding swarf from glass coating.
<b>Personal Protection:</b>	Use safety goggles and proper machine guarding to prevent injury from possible part breakage.

**SECTION 9. Physical and Chemical Properties**

<b>Appearance:</b>	Clear Glass	<b>pH:</b>	n/a
<b>Odor:</b>	Odorless	<b>Boiling Point:</b>	NIA
<b>Solubility:</b>	Only in hydrofluoric acid	<b>Melting Point:</b>	1300°C (2375°F)
<b>Specific Gravity:</b>	NIA	<b>Vapor Pressure/ Vapor Density:</b>	n/a



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<b>SECTION 10. Stability and Reactivity</b>			
<b>Chemical Stability:</b>	Stable		
<b>Hazardous Decomposition:</b>	NIA	<b>Hazardous Polymerization:</b>	NIA
<b>Incompatibilities:</b>	NIA	<b>Conditions to Avoid:</b>	Hydrofluoric acid

<b>SECTION 11. Toxicological Information</b>
NIA

<b>SECTION 12. Ecological Information</b>
NIA

<b>SECTION 13. Disposal Considerations</b>
This material is not hazardous per 40 CFR 261. Consultation with federal, state and local officials is recommended before disposal.

<b>SECTION 14. Transport Information</b>
Not regulated.

<b>SECTION 15. Regulatory Information</b>
NIA

<b>SECTION 16. Other Information</b>
n/a