

1997 (58888-00 thru -10)

|30421 - all codes| \*  
GZSET

GREAT LAKES CLAY & SUPPLY COMPANY  
 120 South Lincoln Avenue Carpentersville, IL 60110  
 PHONE 1-814-551-1070 1-800-258-8796 FAX 1-847-551-1083

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## Material Safety Data Sheet

### Section 1: Product Name and Manufacturer

Trade Name: **GLAZ-EZE UNDERGLAZE MARKERS**  
Product Code: **GZ SERIES - ALL**  
Chemical Name: Liquid Hydrous Aluminum Silicate  
Produced By: Great Lakes Clay & Supply Company  
Emergency Telephone Number: 1-847-551-1070

### Section 2: Hazardous Ingredients

<u>Reportable Components</u>	<u>Cas Number</u>
Clay/Kaolin	1332-58-7
Acrylic Emulsion	None
Frit (leadless)	65997-18-4
Silica (Quartz)	14808-60-7
Bentonite	1302-78-9
Wollastonite	13983-17-0
<u>Pigment (not in all Markers):</u>	
CI77005	None
Red (encapsulated Cadmium)	None
Orange(encapsualated Cadmium)	None
Lavender	None
Yellow	None
Chocolate Brown	None
Peacock	None
Victoria Green	None
Black	None
Cobalt Cargonate	7542-09-8
Copper Carbonate	12069-69-1

### Section 3: Physical Data

Appearance and Odor: Colored Liquids, Odor not Noticeable  
Volubility in Water: Yes  
Boiling Point: N/A  
Vapor Pressure: N/A  
Vapor Denasity: N/A  
Evaporation Rate: N/A  
Specific Gravity: Less than 2.

### Section 4: Fire and Explosion Data

Non-Flammable and Non-Explosive: N/A

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### Section 5: Reactivity Data

Incompatibility: No known incompatible materials.

Decomposition Products: So<sub>2</sub>, Co and Co<sub>2</sub> gases are liberated when this material is heated in excess of 500 degree F.

Stability: Stable.

Conditions to Avoid: Avoid firing this product in restricted air spaces.

Fire only in well ventilated areas, preferably in a vented kiln.

### Section 6: Health Hazard Data

This product contains free silica. Inhalation of silica in the respiratory range represents a potential health hazard. Prolonged exposure above threshold limit values (TLV) will increase the risk of serious respiratory disease (silicosis).

Carcinogenic: Not Known

Entry Routes Acute and Chronic Effects of Overexposure: Inhalation may cause shortness of breath, irritate respiratory tract, aggravate existing lung conditions, promote lung disease. Ingestion should not be a problem. Skin may aggravate existing condition.

First Aid and Medical Information: Move to fresh air supply. Flush eyes and skin thoroughly with water if any irritation develops. Seek medical attention if conditions persists.

Ingestion: Single Dose toxicity is low. May cause ulceration or gastrointestinal irritation.

Toxicity of Pigments: Most of the pigments are in the form of spinel which are Non-Toxic. Red & Orange pigments are encapsulated Cadmium products. These two pigments, along with Cobalt are possible cancer agents. Chronic exposure by inhalation is main concern. (see Inhalation information)

### Section 7: Storage, Handling, and Use Procedures

Normal Storage and Handling: Good housekeeping practice should be maintained to keep dust levels at a minimum.

Action to be taken in case of spills: Dry clean-up maintaining minimum dust levels.

Waste Disposal Methods: Any approved waste disposal method including burial.

### Section 8: Special Protection Information

Respiratory Protection: If dust levels exceed recommended levels, use NIOSH approved respirators for silica dust.

Eye Protection: N/A

Special Ventilation: Fire this product only in well ventilated areas, preferably in a vented kiln.