

1997

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

GZSER

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Material Safety Data Sheet

Section 1: Product Name and Manufacturer 1636

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 Carbonate | 7542-09-8 |
| Copper Carbonate | 12069-69-1 |

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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: So₂, Co and Co₂ 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.