

DICK BLICK

30434-4916  
-3176**MATERIAL SAFETY DATA SHEET**

Page 1

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**Product:** Dick Blick Low-Fire Lead-Free Gloss Glazes  
**Product Code:** DBG22, 23, 24.

Rec'd 06-18-01 ✓

**SECTION I - MANUFACTURER IDENTIFICATION**

**Manufacturer's Name:** Great Lakes Clay & Supply Co.  
 120 S. Lincoln Ave.  
 Carpentersville IL 60110

**Emergency Phone:** 1-800-258-8796  
**Prepared By:** Tim Pffifner

**Date Printed:** 05/03/01**SECTION II - HAZARDOUS INGREDIENTS**

Reportable Components:	CAS Number
Cadmium Red Zircon Pigment	72828-62-7

This product is an encapsulated cadmium pigment. It has been determined to be non-toxic in this form. Encapsulated Cadmium has not been reviewed for carcinogenicity by IARC, NTP or OSHA; however, various forms of Cadmium are considered to be carcinogenic by IARC (Group 2A), NTP and ACGIH (A-2).

ALL GLAZES TESTED FOR TOXICITY AND CONFORM TO ASTM-D4236

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

<b>Boiling Range:</b> NA	<b>Specific Gravity (H<sub>2</sub>O=1):</b> Less than 2
<b>Vapor Density:</b> Heavier than air	<b>Evaporation Rate:</b> NA
<b>Coating V.O.C:</b> NA	<b>Material V.O.C.:</b> N/A
<b>Solubility in Water:</b> Yes	
<b>Appearance and Odor:</b> Color differs due to pigments. No odor detected	

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point:</b> NA	<b>Method Used:</b> N/A
<b>Flammable Limits in Air By Volume-Lower:</b> N/A	<b>Upper:</b> N/A
<b>Extinguishing Media:</b> N/A	
<b>Special Firefighting Procedures:</b> No fire hazard	
<b>Unusual Fire and Explosion Hazards:</b> None	

**MATERIAL SAFETY DATA SHEET**

Page 2

**SECTION V - REACTIVITY DATA****Stability:** Stable**Incompatibility:** None**Hazardous Polymerization:** Will not occur**Conditions to Avoid:** None**Hazardous Decomposition:** Will not occur**SECTION VI - HEALTH HAZARD DATA**

**Inhalation risks and symptoms of exposure:** None in liquid form. Any glaze in dry form contains free silica, which, if breathed in for long periods of time can cause silicosis\*. Use a NIOSH approved respirator when working with dry glazes.

**Skin and eye contact health risks and symptoms of exposure:** Can cause irritation. Rinse eyes thoroughly with water for fifteen minutes and contact a physician.

**Skin absorption health risks and symptoms of exposure:** None.\*

**Ingestion health risks and symptoms of exposure:** Does not contain any hazardous ingredients.\*

**Health hazards (acute and chronic):** None.\*

**Carcinogenicity:** NTP Carcinogen: No. IARC Monographs: No. OSHA Regulated: No.

**Medical conditions due to exposure:** Unknown.\*

**Emergency and First Aid procedures:** Contact your local poison control for further information.

\*This product has been tested with encapsulated cadmium as the pigment. There are health risks if the cadmium is released from its capsules:

**Overexposure effects of unencapsulated cadmium:** By inhalation; headache, shortness of breath, chest pain, leg pains, fluid in the lungs and possibly liver and kidney damage. By ingestion; severe nausea, vomiting, diarrhea, stomach cramps, salivation, headache, muscle cramps and dizziness.

**MATERIAL SAFETY DATA SHEET****Page 3****SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**Spillage clean-up:** Use a wet mop, sponge or paper towel when cleaning up liquid glaze. Use a broom and dust pan or vacuum when cleaning up dry glaze. Use a NIOSH approved respirator when cleaning up dry glaze.

**Waste disposal method:** Dispose of paper towels in trash and rinse out sponge. Always follow local, state and federal regulations.

**Precautions for handling and storing:** Keep lid tightly on jar or liquid glaze to prevent drying out. Keep dry glaze in tightly sealed plastic bag or plastic pail to prevent spillage.

**SECTION VIII - CONTROL MEASURES**

**Respiratory Protection:** When spraying or mixing dry glaze, use a NIOSH certified and approved mask for dust or mist. Not needed for brush, sponge, dipping or pouring applications.

**Ventilation:** Not needed for liquid glaze. Work in a well ventilated area when mixing dry glaze.

**Protective gloves:** Not needed.

**Eye protection:** Not Needed.

**Other protective clothing or equipment:** Not needed.

**SECTION IX - DISCLAIMER**

Information presented in this MSDS has been compiled by sources considered to be dependable and is accurate and reliable to the best of our knowledge but is not guaranteed to be so. Because conditions of use are beyond our control we make no warranties, expressed or implied, except those that may be contained in our written acknowledgment. This MSDS has been prepared with the knowledge that the pigment in this glaze is an encapsulated cadmium product and has been certified safe to use in this form. **DO NOT BALL MILL THIS GLAZE.** Ball Milling this product will release the cadmium and put the user in health risk situations.