

# MATERIAL SAFETY DATA SHEET

CLAY ART CENTER, INC.

Item #  
85971

**PRODUCT/MATERIAL** Glaze

**MANUFACTURER/DISTRIBUTOR:** Clay Art Center  
**ADDRESS:** 2636 Pioneer Way East Tacoma WA. 98404  
**PHONE/FAX:** 253 922-5342 Fax 253 922-5349

## SECTION 1-PRODUCT INFORMATION

**TRADE NAME:** GLP16  
**SYNONYM:** Light Blue  
**CHEMICAL FAMILY:** Ceramic Glaze

## SECTION 11-HAZARDOUS INGREDIENTS

INGREDIENT NAME	Maximum Percent	CAS NUMBER	OSHA PEL TWA: (mg/m3)	NIOSH REL TWA: (mg/m3)	ACGIH TLV TWA: (mg/m3)
Silica, Crystalline (Quartz)	76	14808-60-7	10 mg/m3 / %SiO2 + 2	0.05	0.05
Frit 3249	6	65997-18-4	15		10
Frit 3292	21	65997-18-4	15		10
Cobalt or Cobalt Compounds	8	7440-48-4	0.1		0.02

## SECTION 111-PHYSICAL DATA

**BOLING POINT (°F)** Not Applicable  
**VAPOR PRESSURE** Not Applicable  
**VAPOR DENSITY** Not Applicable  
**SOLUBILITY IN WATER** Insoluble  
**SPECIFIC GRAVITY** 1.7 - 3.7  
**PERCENT SOLUBLE BY WEIGHT** 0  
**EVAPORATION RATE** 0  
**APPEARANCE AND COLOR** Color varies between moist and dry state, no odor.

## SECTION 1V - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT** Not Flammable  
**EXTINGUISHING MEDIA** Water  
**UNUSUAL FIRE OR EXPLOSION HAZARDS** None  
**SPECIAL FIRE FIGHTING PROCEDURES** None

## SECTION V - REACTIVITY DATA

**STABILITY FACTOR** Product is stable  
**INCOMPATIBILITY** None  
**HAZARDOUS DECOMPOSITION PRODUCTS** None. Hazardous polymerization will not occur.  
**CONDITIONS TO AVOID** Inhalation of dust.

## SECTION V1 - HEALTH HAZARD DATA

### Frit 3292

Frit is a fused silicate glass substance.

Principal Routes of Absorption: Inhalation and Ingestion

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Effects of Overexposure: Prolonged contact with frit dust can be very irritating to the eyes and/or skin. High dust levels can be irritating to the respiratory tract. With adequate ventilation, dust control, and good personal hygiene symptoms of overexposure should not occur.

### Frit 3249

Frit is a fused silicate glass substance.

#### Principal Routes of Absorption: Inhalation and Ingestion

Effects of Overexposure: Prolonged contact with frit dust can be very irritating to the eyes and/or skin. High dust levels can be irritating to the respiratory tract. With adequate ventilation, dust control, and good personal hygiene symptoms of overexposure should not occur.

### Silica, Crystalline (Quartz)

A single exposure will not result in serious adverse health effects. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess number of incidences of chronic kidney disease, end-stage renal disease, cases of scleroderma, and other connective tissues disorders in workers exposed to respirable crystalline silica.

### Cobalt or Cobalt Compounds

Skin contact may cause mechanical irritation due to the abrasion. Eye contact will result in no specific effects other than general particulate irritation in the eye. Not absorbed by the body. Excessive exposure can give mild pulmonary irritation.

PRIMARY ROUTES OF ENTRY:	Inhalation (dry form only), ingestion and dermal.
SUMMARY OF RISKS:	Individuals with a lung disease/condition (e.g.: bronchitis, emphysema, chronic pulmonary disease) can be aggravated by exposure.
EMERGENCY FIRST AID:	No specific first aid is necessary since the adverse health effects associated with this compound results from chronic exposures.
Eye Contact	May be an irritant, flush eyes with generous amounts of water for at least 15 minutes; call a physician if irritation persists.
Skin Contact	May cause local dermatitis, which is relieved when removed.
Ingestion	Toxicity due to ingestion is low.
Inhalation	Remove to fresh air, call a physician if irritation due to inhalation persists.
Physician's Note	None.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Spills or Release Procedure	Follow normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum or use wet clean-up techniques.
Waste Disposal Procedure	Dispose material in accordance with Federal, State, and Local regulations.

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## SECTION VIII – CONTROL MEASURES

Provide adequate ventilation to keep dust or vapor concentrations below acceptable exposure limits. Use gloves as needed for handling material containers. Wear safety glasses when needed. Appropriate respiratory protection may be required to protect from certain dusts. Respirators must be selected and used in accordance with OSHA Subpart 1 of (29 CFR 1910.134).

## SECTION IX – TOXICOLOGICAL INFORMATION

This product (and all of its components) is in compliance with the U.S. EPA 15 U.S. C.2604 regulation.

This product is certified as NON-TOXIC, and conforms to ASTM D-4236 and C-1023 under the federal Labeling of Hazardous Art Materials Act (LHAMA). Specific Toxicology information on materials is available upon request.

## SECTION X – REGULATORY

This product may contain materials that are reportable under Section 313 of the Emergency Planning and Community Right-To-Know Act (Superfund Amendments and Reauthorization Act – SARA), and 40 CFR Part 372.

SARA Title III Data:

These levels are “typical quantities” and may change slightly with different lots.

THIS PRODUCT CONTAINS SUBSTANCES THAT MIGHT BE REGULATED UNDER WASHINGTON STATE'S SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACTS OR LAWS.

## SECTION XI – DISCLAIMER

The information provided in this MSDS has been provided to Clay Art Center, Inc. by its material suppliers or manufacturers and is represented by those companies as accurate and reliable.

Clay Art Center, Inc. is not liable for injury, loss, or damage, direct or consequential, arising from the use of or the inability to properly use this product. This product is intended only for use in traditional ceramic applications.

This MSDS conforms to the ASTM D-4236 and C-1023 requirements defined by LHAMA, the Federal Labeling of Hazardous Art Materials Act.

LHAMA -	Developed by the American Society of Testing and Materials (ASTM).
ASTM -	American Society of Testing and Materials.
LHAMA -	Labeling of Hazardous Art Materials Act.
MSDS -	Material Safety Data Sheet.