

# M A T E R I A L   S A F E T Y   D A T A   S H E E T

## M2 LEAD FREE GLAZES - COBALT/COPPER

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PRODUCT NAME: M2 LEAD FREE GLAZES - COBALT/COPPER  
 PRODUCT CODE: LG SERIES (3)

70109

### ===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: AMERICAN ART CLAY CO., INC.  
 ADDRESS : 4717 WEST 16TH STREET

INDIANAPOLIS, IN  
 46222

EMERGENCY PHONE : 800-374-1600

DATE PRINTED : 04/17/01

INFORMATION PHONE : 800-374-1600

NAME OF PREPARER : L. Jenkins

### ===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
COPPER OXIDE	1317-38-0		5
COPPER - ACGIH TLV 1MG/M3, OSHA PEL 1MG/M3 @ CU			
IRON COBALT CHROMITE BLACK SPINEL	68186-97-0		3.37
COBALT METAL - ACGIH TLV .10mg/m3, OSHA PEL .02 mg/m3 @ CO			
CHROMIUM III COMPOUNDS - ACGIH TLV .5mg/m3, OSHA PEL .5mg/m3 @ CR			
NICKEL, METAL & INSOLUBLE COMP. -ACGIH TLV 1mg/m3, OSHA PEL .05 @ NI			
COBALT SILICATE BLUE OLIVINE	77364		2.95
COBALT - ACGIH TLV .02MG/M3, OSHA PEL .10MG/M3 @ CO			
KAOLIN - ACGIH TLV 2MG/M3 @ DUST			
COPPER OXIDE BLEND	1317-38-0		5
COPPER OXIDE - ACGIH TLV 1MG/M3, OSHA PEL 1MG/M3 @ CU			
COPPER CARBONATE	C 7492-68-4		5
COPPER - ACGIH TLV 1MG/M3, OSHA PEL 1MG/M3 @ CU			

\* Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.  
 Carries the HL Seal. Labeling conforms to ASTM D-4236. Contains cobalt or copper. Tableware producers are responsible for conforming to lead release for dinnerware.

### ===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: n/a                      SPECIFIC GRAVITY (H2O=1): 0.18  
 VAPOR DENSITY: Heavier than air.      EVAPORATION RATE: NA  
 COATING V.O.C.: 0.00 lb/gl            MATERIAL V.O.C.: 0.00 lb/gl  
 SOLUBILITY IN WATER: Yes.  
 APPEARANCE AND ODOR: LG 2, 20, 21, 25, 26, 27, 45 & 46

### ===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: n/a                      METHOD USED: n/a  
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a            UPPER: n/a

EXTINGUISHING MEDIA: N/A

#### SPECIAL FIREFIGHTING PROCEDURES

No fire hazard.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

None.

### ===== SECTION V - REACTIVITY DATA =====

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**STABILITY: Stable.**  
**CONDITIONS TO AVOID**

None.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

None.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

Will not occur.

**HAZARDOUS POLYMERIZATION:** Will not occur.

===== **SECTION VI - HEALTH HAZARD DATA** =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Inhalation exposure may cause respiratory allergies. May cause damage to the heart, lungs, or kidney / liver. Contains cobalt, copper or crystalline silica. Refer to Health Hazards (Acute and Chronic) for further health information.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Rinse eyes thoroughly with water for 15 minutes. Contact physician.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

None.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

May be harmful by ingestion. May cause damage to the heart, lungs, anemia and kidney or liver damage. Refer to Health Hazards (Acute and Chronic) for further health information.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

May be harmful by ingestion or by breathing dusts or mists. May be harmful if swallowed. Exposure may cause damage to the liver, kidneys. Exposure may cause anemia.

**CARCINOGENICITY:** NTP CARCINOGEN: No. IARC MONOGRAPHS: No. OSHA REGULATED: No

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Unknown.

**EMERGENCY AND FIRST AID PROCEDURES**

Contact your local poison control for further health information.

===== **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE** =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Specific steps not necessary.

**WASTE DISPOSAL METHOD**

Dispose of paper towel in trash and rinse sponge. In manufacturing, dispose of in accordance to local, state and federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Always keep lid tightly on jar of moist product while not in use or storage. Uncovered product will dry out.

**OTHER PRECAUTIONS**

NOT FOR USE BY CHILDREN. NOT FOR USE IN HEALTHCARE FACILITIES.

===== **SECTION VIII - CONTROL MEASURES** =====

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**RESPIRATORY PROTECTION**

Not needed for normal application (brush or sponge). This product is not for spray application.

**VENTILATION**

Not needed.

**PROTECTIVE GLOVES**

Not needed.

**EYE PROTECTION**

Not needed.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

Not needed.

**WORK/HYGIENIC PRACTICES**

Refer to AMACO Safety Manual for further information. Manual available upon request.

**===== SECTION IX - DISCLAIMER =====**

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