

**MATERIAL SAFETY DATA SHEET**

Product: Lead Free Gloss Glazes

PRODUCT CODE: LG Series (1)

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Manufacturer's Name: American Art Clay CO., Inc.  
Address: 6060 Guion Road  
Indianapolis, IN 46254

Information Number: (800) 374-1600      Emergency Number: (800) 374-1600  
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Section 1- Product Identification

Product Name: Gloss Glazes      Product Class: Ceramic Glazes      Product Size: 16 oz., 1 lb., gal

LG. 1, 10, 11, 14, 20, 21, 23, 24, 30, 34, 36, 40, 42, 48, 50, 51, 52, 54, 55, 57, 58, 59, 60, 61, 62, 63, 65, 67, 68, 760, LF 100, DC 10, TL-1, DW-11, Bennett Clear & Brickyard Clear Gloss Glaze

Section II – Hazardous Ingredients

Reportable Components	CAS#	Vapor Pressure Mm Hg @ Temp	Weight Percent
Water	7732-18-5		
Sod. Borosilicate Frit	65997-18-4		
Clay	1332-58-7		
Inorganic Stains	Mixture		
Gum	9004-32-4		

No reportable quantities of hazardous ingredients are present.

No hazardous ingredients. Carries the "AP" Seal. Labeling conforms to ASTM D4236.

Section III – Physical / Chemical Characteristics

Boiling Range: N/A      Specific Gravity (H2O=1): Less than 2  
Vapor Density: Heavier than air.      Evaporation Rate: N/A  
Coating V.O.C.: N/A      Material V.O.C.: N/A  
Appearance and Odor: Liquid / Dry

Section IV – Fire and Explosion Hazards Data

Flash Point: N/A      Method Used: N/A  
Flammable limits In Air by Volume: NA - Lower      NA - Upper:  
Extinguishing Media: N/A      Special Firefighting Procedures: No fire hazards.  
Unusual Fire and Explosion Hazards: None.

Section V- Reactivity Data

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: None.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Rinse eyes thoroughly with water for 15 minutes. If irritation persists contact physician. Skin - wash hands with soap and water.

Skin Absorption Health Risks and Symptoms of Exposure: None.

Ingestion Health Risks and Symptoms of Exposure: No hazardous ingredients.

Health Hazards (Acute / Chronic): No hazardous ingredients.

Carcinogenicity: N- NTP Carcinogen      N - IARC Monographs      N - OSHA Regulated

Medical Conditions Generally Aggravated by Exposure: Unknown.

Emergency and First Aid Procedures: Contact your local poison control for further health information.

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Section VII – Precautions For Safe Handling and Use

Steps to be taken in case material 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: None.

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Section VIII – Control Measures

Respiratory Protection: When spraying or mixing dry glaze use NIOSH certified mask for dust or mist. Not needed for brush, sponge or dipping application.

Ventilation: Not needed for brush application. If spraying glazes use spray booth.

Protective Gloves: Not needed.

Eye Protection: Not needed.

Other Protective Clothing or Equipment: Not needed.

Work /Hygienic Practices: Refer to AMACO Product Encyclopedia & Safety Manual. Manual available upon request.

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Section IX – Disclaimer

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Since conditions of use are beyond our control we make no warranties, expressed or implied, except those that may be contained in our written acknowledgement.

Prepared By: L. Jenkins  
2005

**MATERIAL SAFETY DATA SHEET**

PRODUCT: Lead Free Gloss Glaze (Copper)      Product Code: LG Series (2)

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Manufacturer's Name: American Art Clay Co., Inc.  
6060 Guion Road  
Indianapolis, IN 46254

.....  
Information Number: (800) 374-1600      Emergency Number: (800) 374-1600  
.....

Section I – Product Identification

Product Name: Gloss Glazes      Product Class: Ceramic Glazes      Product Size: 16 oz., 1 lb., gal  
(Copper)

LG 2, 25, 26, 27, 44, 45, 46

Section II – Hazardous Ingredients

Reportable Components	CAS#	Vapor Pressure Mm Hg @ Temp	Weight Percent
Copper Carbonate	7492-68-4		
Copper: ACGIH TLV 1mg/M3, OSHA PEL 1mg/M3 @ CU			
Water	7732-18-5		
Sod. Borosilicate Frit	65997-18-4		
Clay	1332-58-7		
Flint	14808-60-7		

Carries the "HL/CL" Seal. Labeling conforms to ASTM D4236. Contains Copper. Refer to Section VI.

Section III- Physical / Chemical Characteristics

Boiling Range: NA      Specific Gravity (H2O=1): Less than 2  
Vapor Density: Heavier than air.      Evaporation Rate: NA  
Coating V.O.C.: NA      Material V.O.C.: NA  
Appearance and Odor: Liquid / Dry

Section IV – Fire and Explosion Hazard Data

Flash Point: NA      Method Used: NA  
Flammable Limits In Air By Volume: NA - Lower      NA - Upper  
Extinguishing Media: NA  
Special Firefighting Procedures: No fire hazard.  
Unusual Fire and Explosion Hazards: No fire hazard.

Section V – Reactivity Data

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: None.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Eye – rinse eyes thoroughly with water for 15 minutes. If irritation persists contact physician. Skin – wash hands with soap and water after use..

Ingestion Health Risks and Symptoms of Exposure: May be harmful if swallowed. Exposure may cause damage to the kidneys, liver or anemia. If swallowed get prompt medical attention.

Health Hazards (Acute / Chronic): Contains soluble copper. See above.

Carcinogenicity: N - NTP Carcinogen      N - IARC Monographs      N - OSHA Regulated

Medical Conditions Generally Aggravated by Exposure: Unknown.

Emergency and First Aid Procedures: Contact your local poison control center for further information.

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#### Section VII – Precautions for Safe Handling

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 & 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 or in healthcare facilities.**

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#### Section VIII – Control Measures

Respiratory Protection: Not needed for brush or sponge application. Product 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 product Encyclopedia & Safety Manual. Manual available upon request.

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Prepared by: L. Jenkins  
2005

**MATERIAL SAFETY DATA SHEET**

Product: Leaded Gloss Glazes Product Code: LG Series (3)

Manufacturer's Name: American Art Clay Co., Inc.  
6060 Guion Road  
Indianapolis, IN 46254

Information Number: (800) 374-1600 Emergency Number: (800) 374-1600

Section I – Product Identification

Product Name: Gloss Glazes Product Class: Ceramic Glazes Product Size: 16 oz.

LG 9, 32, 2001

Section II – Hazardous Ingredients

Reportable Components	CAS#	Vapor Pressure Mm Hg @ Temp	Weight Percent
Ceramic Frit	65997-18-4		20
Lead Compd. – ACGIH TLV .05mg/M3, OSHA PEL .05 mg/M3 @ PB			
Water	7732-18-5		
Clay	1332-58-7		
Flint	14808-60-7		
Gum	9004-32-4		

Carries the “HL/CL” Seal. Labeling conforms to ASTM D4236. Contains lead borosilicate frit. **NOT FOR USE IN HOME OR HOME STUDIO.** See Section VI. Tableware producers are responsible in complying with FDA guidelines for lead release for tableware.

- Indicates toxic Chemical(s) subject to reporting requirements of Section 313 of Title III and of CFR 372 are present.

Section III – Physical / Chemical Characteristics

Boiling Range: NA Specific Gravity(H2O=1): Less than 2.  
Vapor Density: Heavier than air. Evaporation Rate: NA  
Coating V.O.C.: NA Material V.O.C.: NA  
Appearance and Odor: Liquid

Section IV – Fire and Explosion Hazard Data

Flash Point: NA Method Used: NA  
Flammable Limits In Air by Volume: NA - Lower NA - Upper  
Extinguishing Media: NA  
Special Firefighting Procedures: No fire hazard.  
Unusual Fire and Explosion Hazards: No fire hazard.

Section V – Reactivity Data

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: May cause damage to the lungs by inhalation of dust or mist. Cancer agent based on laboratory tests. Not for spray application. Refer to Health hazards for further information.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Eye – rinse eyes thoroughly with water for 15 minute. If irritation persists contact physician. Skin – Wash hands with soap and water after use.

Skin Absorption Health Risks and Symptoms of exposure: See above. Wash hands immediately after use.

Ingestion Health Risks and Symptoms of Exposure: May be harmful if swallowed. Cancer agent based on experimental data. Exposure may cause damage to the testes, difficulty with child bearing or harm to the developing fetus. Exposure may cause nervous system, kidney or bone marrow damage.

Health Hazards (Acute / Chronic): Contains lead borosilicate frit. May be harmful if swallowed. Cancer agent based on experimental data. May cause damage to the lungs by inhalation of dust or mist. Exposure may cause damage to the testes, difficulty with child bearing or harm to the developing fetus. Exposure may cause nervous system, kidney or bone marrow damage.

Carcinogenicity: Y - NTP Carcinogen            N - IARC Monographs            N - OSHA Regulated

Medical Conditions generally aggravated by Exposure: Unknown.

Emergency and First Aid Procedures: Contact your local poison control for further health information.

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#### Section VII – Precautions for Safe Handling and Use

Steps To Be Taken In Case Material is released or spilled: Clean with paper towel and wet sponge. Wash with soap and water. Damp mop after use. Do not create dust. Cleaning should be done on routine basis.

Waste Disposal Method: Dispose of paper towel in trash and rinse sponge. In manufacturing, dispose of in accordance to Local, State or Federal regulations.

Precautions to be taken In Handling and Storing: Wear apron. Always keep lid tightly on moist product while not in use or storage. Uncovered product will dry out.

Other Precautions: **NOT FOR USE BY CHILDREN OR IN HEALTHCARE FACILITIES. DO NOT EAT, DRINK OR SMOKE WHILE USING. WEAR APRON AND WASH HANDS IMMEDIATELY AFTER USE. DO NOT USE IF PREGNANT OR CONTEMPLATING PREGNANCY.**

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Section VIII – Control Measures

Respiratory Protection: Not needed for brush or sponge application. Product not for spray application.

Ventilation: Not Needed.

Protective Gloves: Not needed.

Eye Protection: Not needed.

Other Protective Clothing or Equipment: Apron

Work / Hygienic Practices: Refer to AMACO Product Encyclopedia & Safety Manual. Manual available upon request.

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Prepared by: L. Jenkins  
2005

**MATERIAL SAFETY DATA SHEET**

Product: Lead / Cadmium Gloss Glazes

Product Code: LG Series (4)

.....  
Manufacturer's Name: American Art Clay Co., Inc.  
6060 Guion Road  
Indianapolis, IN 46254

.....  
Information Number: (800) 374-1600                      Emergency Number: (800) 374-1600

.....  
Section I – Product Identification

Product Name: Gloss Glazes              Product Class: Ceramic Glazes              Product Size: 16 oz.

LG 53, 56 & 66

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Section II – Hazardous Ingredients

Reportable Components	CAS#	Vapor Pressure Mm Hg @ Temp	Weight Percent
Ceramic Frit	65997-18-4		49.67
Lead Compd. – ACGIH TLV .05mg/M3, OSHA PEL .05mg/M3 @ PB			
Cadmium Compd. – ACGIH TLV 10 ug/M3, OSHA PEL 5 ug/M3 @ CD			
Water	7732-18-5		
Clay	1332-58-7		
Flint	14808-60-7		
Gum	9004-32-4		

Carries the “HL/CL” Seal. Labeling conforms to ASTM D4236. Contains lead borosilicate frit and cadmium pigment.  
**NOT FOR USE IN HOME OR HOME STUDIO.** Tableware producers are responsible in complying with FDA guidelines for lead release for tableware.

\* Indicates toxic chemical(s) subject to reporting of Section 313 of Title III and of 40 CFR 372 are present.

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Section III – Physical / Chemical Characteristics

Boiling Range: NA    Specific Gravity (H20=1): Less than 2.  
Vapor Density: Heavier than air.                      Evaporation Rate: NA  
Coating V.O.C.: NA    Material V.O.C.: NA  
Appearance and Odor: Liquid

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Section IV – Fire and Explosion Hazard Data

Flash Point: NA    Method Used: NA  
Flammable Limits In Air by Volume: NA - Lower              NA - Upper  
Extinguishing Media: NA  
Special Firefighting Procedures: No fire hazard.  
Unusual Fire and Explosion Hazards: No fire hazard.

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Section V – Reactivity Data

Stability: Stable  
Conditions to Avoid: None  
Incompatibility (Materials to Avoid): None.  
Hazardous Decomposition or Byproducts: Will not occur.  
Hazardous Polymerization: Will not occur.

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Section VI – Health Hazard Data

Inhalation Health Risks and Symptoms of Exposure: May cause damage to the lungs by inhalation of dust or mist. Cancer agent based on laboratory tests. Not for spray application. Refer to Health Hazard Data for further information.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Eye- rinse eyes thoroughly with water for 15 minutes. If irritation persists contact physician. Skin- wash hands with soap and water after using.

Skin Absorption Health Risks and Symptoms of Exposure: May be harmful if swallowed. Wash hands with soap and water after using.

Ingestion Health Risks and Symptoms of Exposure: May be harmful if swallowed. Cancer agent based on experimental data. May cause damage tot the lungs by inhalation of dust or mist. Exposure may cause damage to the testes, difficulty with child bearing or harm to the developing fetus. Exposure may cause nervous system, kidney or bone marrow damage.

Health Hazards (Acute / Chronic): Contains Lead borosilicate frit. See above.

Carcinogenicity: Yes - NTP Carcinogen      Yes – IARC Monographs      N - OSHA Regulated

Medical Conditions generally aggravated By Exposure: Unknown.

Emergency and First Aid Procedures: Contact your local poison control for further health information.

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Section VII – Precautions for Safe Handling and Use

Steps To Be Taken In Case Material Release or Spilled: Clean with paper towel and wet sponge. Wash with soap and water. Damp mop after use. Do not create dust. Cleaning should be on a routine basis.

Waste Disposal Method: Dispose of paper towels in trash and rinse sponge. In manufacturing, dispose of in accordance to Local, State or Federal regulations.

Precautions to be taken In Handling and Storing: Wear Apron. Always keep lid tightly on jar of moist product while not in use or storing. Uncovered product will dry out.

Other Precautions: **NOT FOR USE BY CHILDREN OR IN HEALTHCARE FACILITIES. DO not eat, drink or smoke while using. Wear apron and wash hands immediately after use. Do not use if pregnant or contemplating pregnancy.**

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Section VIII – Control Measures

Respiratory Protection: Not needed for brush or sponge application. Product not for spray application.

Ventilation: Not needed.

Protective Gloves: Not needed.

Eye Protection: Not needed.

Other Protective Clothing or Equipment: Apron

Work / Hygienic Practices: Refer to AMACO Product Encyclopedia & Safety Manual. Manual available upon request.

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2005