MAYCO MSDS SHEET # 2
Active Products

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Prepared:	September 20, 2003	
Supersedes:	All previous	
Manufacturer:	MAYCO COLORS division of Coloramics, LLC	
	4077 Weaver Court South	
	Hilliard, Ohio 43026	
	United States of America	
Distributor:	USA	Local Phone
	EC	Local Phone
	Australia	Local Phone

IN CASE OF EMERGENCY PLEASE CONTACT YOUR LOCAL POISON CONTROL CENTER
Prepared by: MSDS department
Information Telephone Number: 614-876-1171

CERAMIC GLAZE (S):

Bisque Glazes	BG-259, 261, 600, 642, 643, 644
Crystal Glazes	CG-753, 756
Under Reds	UR-090
Specialty Glazes	UG-151
Utopia Glazes	G-3001, 3002, 3003

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS	ACGIH	OSHA	TLV	PEL
Lead Cadmium frit	65997-18-4	Lead .15mg/m3		Lead .05mg/m3	
Cadmium Pigments	12656-57-4 & 58339-34-7	Cadmium .01mg/m3		.2mg/m3	
Bentonite	1302-78-9		NA		NA
Water	7732-18-5		NA		NA

SECTION 3: HAZARDS IDENTIFICATION

Frit contains Lead & Cadmium. Crystalline Silica may also be present.
(OSHA PEL .1mg/m3)
Route(s) of Entry: Ingestion, absorption through the skin is negligible.
Inhalation only if sprayed.
Health Hazards (acute and chronic): Prolonged or repeated inhalation and/or ingestion of lead containing frit may result in lead poisoning. Prolonged inhalation of silica, in excess of TLV, over an extended period of time may result in injury to the lungs. Carcinogenicity: In IARC Supplement 7, inorganic lead compounds are given a 2B rating. This indicates “sufficient evidence” for Carcinogenicity to animals and “inadequate evidence” for Carcinogenicity to humans. California lists lead as a possible carcinogen and requires Prop. 65 warning as required.

SECTION 4: FIRST AID MEASURES

If Inhaled: Remove from exposure

If on skin: Wash skin with soap and water
If in eyes: Flush eyes with large quantities of water for at least 15 minutes. If irritation persists after washing, contact a physician.
If swallowed: Dilute by drinking water

SECTION 5: FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARD DATA
Flash Point (method used): N/A
LEL: N/A
UEL: N/A Flammable Limits: N/A
Extinguishing Media: None required, not combustible.
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Uncontaminated material may be recovered and re-used. If contaminated, scoop, vacuum, or wash into a receptacle for disposal.
Waste Disposal Method: Follow Federal or State and Local regulations for disposal. Lead is listed in US-EPA Code of Federal Regulations 40, Part 261.24. Testing of the waste may be required to determine status under the hazardous waste regulations.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING AND USE
Engineer Control - None
Work practices- Store away from feed and food. Do not smoke, eat or drink while handling.
Procedure / equipment- None
Procedure for leaks or spills: Uncontaminated material may be recovered and re-used. If contaminated, scoop, vacuum, or wash into a receptacle for disposal.
Waste Disposal Method: Follow Federal or State and Local regulations for disposal. Lead is listed in US-EPA Code of Federal Regulations 40, Part 261.24. Testing of the waste may be required to determine status under the hazardous waste regulations.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Use of the following protective measures are strongly recommended if the glazes are to be applied by spraying.
The Work/Hygienic Practices apply regardless of the method of application. Respiratory Protection (Specify Type): Use a NIOSH approved dust and/or fume respirator as necessary.
Ventilation: Local Exhaust - for spraying
Protective Gloves: N/A
Eye Protection: for spraying
Other Protective Clothing or Equipment: Wear appropriate clean, protective clothing such as, but not limited to, overalls, smocks, and aprons. Work/Hygienic Practices: Food, beverages, and smoking materials should not be in the work area. Hygiene is very important. Wash thoroughly before eating, drinking, smoking, or applying cosmetics.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Various colors
Odor and odor threshold: Negligible
PH: Not available

Boiling Point: None
Vapor Pressure: NA
Vapor Density: NA
Melting Point: above 1000oF
Specific Gravity (H2O=1): 1.4 to 1.6
Flammable Limits: None
Explosive limits: None
Partition Coefficient: None
Oxidizing Properties: None
Solubility in Water: Negligible
Percent Volatile by Volume: None
Evaporation Rate: None
Freezing point: NA
Flash Point: None
Auto ignition temperature: None

SECTION 10: STABILITY AND REACTIVITY DATA

Incompatibility (material to avoid): Avoid fumes from firing by venting kiln area.
Stability: Stable (conditions to avoid: N/A)
Hazardous Decomposition or Byproducts: Not available
Hazardous Polymerization: Will not occur
Conditions to avoid: Fumes from firing in kiln. Inhalation of spray.

SECTION 11: TOXICOLOGICAL INFORMATION

Hazard to Human: None during normal use. Harmful if inhaled or swallowed.
Lead Bearing Frit (s) - Frit is a fused silicate glass substance.
DO NOT SPRAY APPLY
If glaze is spray applied the following warnings apply: Warning: Contains Quartz.
1. Possible cancer agent based on tests with laboratory animals.
2. Exposure may cause lung damage.
3. Keep out of reach of children; avoid inhalation.

This product contains chemicals known to the State of California to cause cancer.

Health Hazards (acute and chronic): Prolonged or repeated inhalation and/or ingestion of lead / cadmium containing frit may result in lead and or cadmium poisoning. Prolonged inhalation of silica, in excess of TLV, over an extended period of time may result in injury to the lungs. Carcinogenicity: In IARC Supplement 7, inorganic lead and or cadmium compounds are given a 2B rating. This indicates “sufficient evidence” for Carcinogenicity to animals and “inadequate evidence” for Carcinogenicity to humans.

Additional information: Frits are fused silica glass like substances. The bioavailability may be limited because of the physical nature of the frit.

SECTION 12: ECOLOGICAL INFORMATION

Mobility: Not Available
Persistence/degradability: Not Available
Bioaccumulation: Not Available
Ecotoxicity: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Follow your Federal or State and Local regulations for disposal. Lead is listed in US-EPA Code of Federal Regulations 40, Part 261.24. Testing of the waste may be required to determine status under the hazardous waste regulations.
Waste from residue/unused product: Can be landfilled according to local regulations.
Contaminated packing: Can be landfilled according to local regulations.

SECTION 14: TRANSPORTATION INFORMATION

UN Number: None for this product.
For soluble lead UN number is 2291, guide number is 53
For cadmium UN number is 2570, guide number is 53

SECTION 15: REGULATORY INFORMATION

Lead and Silica and cadmium are listed by California, Proposition 65
Lead and Silica and cadmium are listed on the IARC, OSHA or NTp carcinogen list.
All ingredients are on U.S. TSCA / EC / AICS / DSL Inventory.
See local requirements.

EU Status:
Symbol- None for Frit
For lead compounds:
Repr. Cat 1
R 61- May cause harm to unborn child.
Repr. Cat 3
R62 - Possible risk of impaired fertility
Harmful (xb)
R20/22 - Harmful by inhalation and if swallowed
R33 - Danger of cumulative effects
For Cadmium compounds
Harmful (xb)
R 20/21/22 - Harmful by inhalation and if swallowed

WHMIS Status: Not Controlled

SECTION 16: ADDITIONAL INFORMATION

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