



**MAYCO MSDS SHEET #4**  
Active Products

**SECTION 1 Chemical Product and Company Information** pg 1 of 4

Prepared September 22, 2003

Supersedes: All previous

Manufacturer: **MAYCO COLORS** division of Coloramics, LLC

4077 Weaver Ct. 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 and underglazc(s):

- Astro Gem Glazes: AS-551
- One Stroke Colors: OS-44 through OS-46, OS-50, 53
- Underglazes: UG-84, UG-85, UG-86
- Series 2000: S-2104, 2105, 2122, 2130, 2168, 2586
- Matte Glazes: S-2224, 2225
- Stroke N Coats: SC-23, 58, 59, 62, 24, 20, 4, 67, 68, 50, SP-204
- Crystalites: S-2720, S-2721

**SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS	ACGIH TLV	OSHA PEL
Cadmium Pigments in insoluble form	12656-57-4 & 58339-34-7	Cadmium .01mg/m3	.2mg/m3
Bentonite	1302-78-9	NA	NA
Water	7732-18-5	NA	NA
Zirconium Compounds	7782-49-2	0.20mg/M3	0.20mg/M3

**SECTION 3 HAZARDS IDENTIFICATION**

Product contains insoluble cadmium pigments.

Crystalline silica may also be present.

(OSHA PEL .1mg/m3)

Route(s) of Entry: Igestion, absorption through the skin is negligble.

Inhalation only if sprayed.

Health Hazards (acute and chronic): Prolonged inhalation of silica, in excess of TLV, over an extended period of time may result in injury to the lungs.

**SECTION 4 FIRST AID MEASURES**

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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. 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. 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**

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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.  
**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 inhalation of silica, in excess of TLV, over an extended period of time may result in injury to the lungs.

**Additional information:** Frits are fused silica glass like substances. The bioavailability may be limited because of the physical nature of the frit. The cadmium pigments used are encapsulated in a zirconium matrix. These products have been certified by a toxicologist as NON TOXIC.

**SECTION 12 ECOLOGICAL INFORMATION**

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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 cadmium UN number is 2570, guide number is 53

**SECTION 15 REGULATORY INFORMATION**

Silica and cadmium are listed by California, Proposition 65  
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 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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