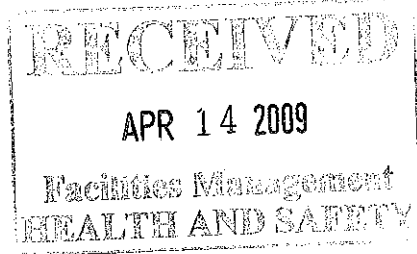


MSDS Sheet - Non-Toxic Ceramic Glazes Containing Encapsulated Cadmium Pigments

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Prepared: September 21, 2006
 Supersedes: All previous
 Manufacturer: **Mayco Colors**
 Division of Coloramics, LLC
 4077 Weaver Court South
 Hilliard, Ohio 43026
 United States of America



Distributor Contacts:

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 Underglaze

| | |
|------------------------------------|--|
| Crystalites | S-2720, S-2721, S-2728, S-2729, S-2730 |
| Foundations | FN-003, FN-004, FN-015 |
| Jungle Gems Crystal Glazes | CG-753, CG-756 |
| One Stroke Translucent Underglazes | OS-44, OS-45, OS-46 |
| Raku | RK-104 |
| Series 2000 Glazes | S-2104, S-2105, S-2122, S-2130, S-2168, S-2170, S-2172, S-2224, S-2225, S-2240, S-2242, S-2586 |
| Speckled Stroke & Coat® | SP-204, SP-274 |
| Stroke & Coat® | SC-20, SC-23, SC-24, SC-4, SC-50, SC-73, SC-74, SC-75, SC-80 |
| Underglazes | UG-84, UG-85, UG-86 |

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | CAS | ACGIH TLV | OSHA PEL |
|------------------------------------|-------------------------|-------------------|-----------|
| Cadmium Pigments in Insoluble form | 12656-57-4 & 58339-34-7 | Cadmium .01 mg/m3 | .2mg/m3 |
| Bentonite | 1302-78-9 | N/A | N/A |
| Water | 7732-18-5 | N/A | N/A |
| Zirconium Compounds | 7782-49-2 | 0.20mg/M3 | 0.20mg/M3 |
| Silica | 14808-60-7 | 0.10mg/M3 | 0.10mg/M3 |

SECTION 3: HAZARDS IDENTIFICATION

Product contains Insoluble cadmium pigments.

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 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

- 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

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: TOXICOLOGY INFORMATION

Hazard to Humans: None during normal use.

Do Not Spray Apply without proper personal protective equipment.

The following warnings apply **IF AND ONLY IF** glazes are spray applied:

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

- 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. 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.

WHMIS Status : Not Controlled

SECTION 16: ADDITIONAL INFORMATION

This information is furnished with out warranty, representation, inducement or license of any kind, except that it is accurate to the best of knowledge of COLORAMICS, LLC or obtained from sources believed to be accurate.

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