

MAYCO MSDS
North American:
Non-Toxic Ceramic Glazes
Also Contains Encapsulated Cadmium Pigments
Premixed, Water Base

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Prepared: March 1, 2010
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_____
Australia_____ Local Phone_____

IN CASE OF EMERGENCY PLEASE CONTACT YOUR LOCAL POISON CONTROL CENTER

Prepared by: MSDS department
Information Telephone Number: 614-876-1171

Discontinued Glaze: SC-67 Cherry Bomb

Crystalline	CR-205
Foundations	FN-003, FN-004, FN-015, FN-016, FN-023, FN-026, FN-035, FN-040, FN-207, FN-210, FN-306
Jungle Gems Crystal Glazes	CG-753NT, CG-756NT
One Stroke Translucent Underglazes	OS-46, OS-59
Raku	RK-104
Speckled Stroke & Coat [®]	SP-201, SP-202, SP-204, SP-223, SP-274, SP-275
Stoneware Glazes	SW-111, SW-113, SW-114, SW-119
Stroke & Coat [®]	SC-1, SC-2, SC-20, SC-22, SC-23, SC-24, SC-4, SC-50, SC-73, SC-74, SC-75, SC-80, SC-81, SC-82, SC-87
Stroke & Coat [®] Accents Underglazes	SA-001 UG-203, UG-204, UG-206, UG-207, UG-208, UG-211, UG-213, UG-214, UG-58, UG-85
XDiscontinued Products	OS-44, OS-45, S-2104, S-2105, S-2122, S-2130, S-2168, S-2170, S-2172, S-2224, S-2225, S-2240, S-2242, S-2586, S-2720, S-2721, UG-84, UG-86

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	ACGIH TLV	OSHA PEL
Cadmium Pigments (Insoluble Form)	12656-57-4	0.01mg/m ³	0.20mg/m ³
Zirconium Compounds	7782-49-2	0.20mg/m ³	0.20mg/m ³
Silica	14808-60-7	0.10mg/m ³	0.10mg/m ³
Frit	65997-18-4	N/A	N/A
Kaolin/Clay	1332-58-7	N/A	N/A
Talc	4807-96-6	N/A	N/A
Calcium Carbonate	471-34-1	N/A	N/A
Water	7732-18-5	N/A	N/A

SECTION 3: HAZARDS IDENTIFICATION

In liquid form the crystalline silica ingredient in the glaze presents no inhalation danger. Crystalline silica dust may be present if unfired, dried glaze is excessively handled.

Product contains encapsulated cadmium pigments which are in an insoluble form.

Route(s) of Entry: Inhalation, Ingestion; absorption through the skin is negligible.

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
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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
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.
 - Ventilation: Local exhaust (if spray applying)
 - Procedure/equipment: None
 - Procedure for leaks or spills: Uncontaminated material may be recovered and reused. If contaminated, scoop, vacuum, or wash into a receptacle for disposal.
 - Waste Disposal Method: Follow Federal or State and Local regulations for disposal.
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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.

- Respiratory Protection: Use a NIOSH approved respirator if spray applying.
 - Protective Gloves: Not normally needed.
 - Eye Protection: Wear appropriate eye protection or safety glasses to keep dust out of eyes.
 - 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.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Various Colors
Odor/Odor Threshold:	Neglible
PH:	7-10
Boiling Point:	212° F
Vapor Pressure:	N/A
Vapor Density:	N/A
Melting Point:	above 1000° F
Specific Gravity (H ₂ O= 1):	1.4 to 1.6
Flammable Limits:	None
Explosive limits:	None
Partition Coefficient:	None
Oxidizing Properties:	None
Solubility in Water:	Miscible in water
Percent Volatile by Volume:	None
Evaporation Rate:	None
Freezing point:	32° F
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 by-products: Avoid fumes when firing
 - Hazardous Polymerization: Will not occur
 - Conditions to avoid: Fumes from firing in kiln. Inhalation of spray (if spray applying).
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SECTION 11: TOXICOLOGY INFORMATION

Hazard to Humans: As packaged and provided by the manufacturer: None during normal use.

The following warnings apply IF AND ONLY IF excessive handling causes dust and/or during spray application:

WARNING: CONTAINS QUARTZ

MAY BE HARMFUL BY BREATHING DUST
EXPOSURE MAY CAUSE LUNG DAMAGE
POSSIBLE CANCER AGENT BASED ON TESTS WITH LABORATORY ANIMALS

PRECAUTIONARY STATEMENTS:

KEEP OUT OF THE 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 cadmium pigments used are encapsulated in a zirconium matrix; the bioavailability may be limited because of the physical nature of the frit.

These products conform to ASTM-4236 and have been certified by an independent, 3rd party toxicologist to be NON TOXIC.

SECTION 12: ECOLOGICAL INFORMATION

Mobility:	N/A
Persistence/Degradability:	N/A
Bioaccumulation:	N/A
Ecotoxicity:	N/A

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

For US Dept. of Transportation:

DOT Shipping Name: Glaze or Stain, Ceramics or Pottery, Artist or Hobby Product
DOT Hazard Class: 88690 Sub 1
DOT Reportable Quantity: None UN Number: None for this product.

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.

These products conform to ASTM-4236 and have been certified by an independent, 3rd party toxicologist to be NON TOXIC.

See local requirements.

SECTION 16: ADDITIONAL INFORMATION

Ingestion and Inhalation are the predominant means entry into the body. A premixed, liquid glaze presents no dangers from vapors or inhalation unless it is spray applied. Most inhalation dangers can be addressed by wearing a NIOSH approved respirator during spray application. DO NOT SPRAY APPLY WITHOUT USING A NIOSH RESPIRATOR.

Use caution when handling unfired, dried glaze - minimize the creation of dust.

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