

30400-0029

**MAYCO MSDS
North American:
Non-Toxic Ceramic Glazes
Also Contains Copper Oxide
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

Classic Crackle	CC-108
Element Chunkies	EL-202, EL-205, EL-207, EL-208, EL-210
Elements	EL-103, EL-105, EL-106, EL-108, EL-113, EL-115, EL-117, EL-119, EL-120, EL-122, EL-123
Foundations	FN-007, FN-010, FN-020, FN-021, FN-214, FN-215, FN-216, FN-217, FN-218, FN-219
Jungle Gems Crystal Glazes	CG-707NT, CG-713NT, CG-716NT, CG-717NT, CG-780NT, CG-961NT, CG-962NT
Raku	RK-100, RK-101, RK-102, RK-105, RK-106, RK-107
Stoneware Glazes	SW-102, SW-104, SW-108
XDiscontinued Products	AS-519, AS-535, S-2131, S-2156, S-2157, S-2158

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	ACGIH TLV	OSHA PEL
Silica	14808-60-7	0.10mg/m ³	0.10mg/m ³
Cupric Oxide	1317-38-0	1.0mg/m ³	1.0mg/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

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.

Contains Copper Oxide pigments. Maximum % of Copper as an Oxide = 3.5% dry.

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.

Overexposure to copper may cause enlargement of the liver, jaundice and kidney damage.

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: Consult a physician. Induce vomiting if prescribed under medical supervision. Never give anything orally to an unconscious person.

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:

Untampered 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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Various Colors
Odor/Odor Threshold:	Negligible
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).

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

Overexposure to Copper Oxide may cause enlargement of the liver, jaundice and kidney damage.

Carcinogenicity NTP:	No
IARC Monographs:	No
OSHA Regulated:	No

Signs and Symptoms of Exposure:

Discoloration of the skin. Irritation of the eyes or upper respiratory tract, vomiting, gastric pain, dizziness, exhaustion, anemia and cramps.

Medical Conditions Generally Aggravated by Exposure:

Abrasive, can scratch eyes. Can dry skin, cause skin rash, or upper respiratory tract irritation.

Additional information: Frits are fused silica glass like substances. 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 is listed by California, Proposition 65

Silica is 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.

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.

COLORAMICS, LLC does not assume any legal responsibility for use or reliance on same. Customers are encouraged to conduct their own tests before using any product. Read the product label.

For more information in AUSTRALIA see web site www.nohsc.gov.au

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Astro Gems	AS-510, AS-512, AS-513, AS-516, AS-518, AS-527
Brushing & Dipping Clear Glaze	C-300, NT-CLR, S-2000, S-2101
Castables	SL-IP1
Classic Crackle	CC-101, CC-102, CC-107
Crystalites	S-2701, S-2702, S-2703, S-2704, S-2705, S-2706, S-2707, S-2708, S-2709, S-2711, S-2712, S-2713, S-2714, S-2715, S-2716, S-2718, S-2719, S-2723, S-2724, S-2725, S-2726, S-2727, S-2728, S-2729, S-2730, S-2731, S-2732
Crystalline Element Chunkies	CR-100, CR-201, CR-202, CR-203, CR-204, CR-301
Elements	EL-201, EL-203, EL-204, EL-206, EL-209, EL-211, EL-212
Fired Accessories	EL-101, EL-102, EL-104, EL-107, EL-109, EL-110, EL-111, EL-112, EL-116, EL-118, EL-121, EL-124
Foundations	AC-306
	FN-001, FN-002, FN-005, FN-006, FN-008, FN-009, FN-011, FN-012, FN-013, FN-014, FN-017, FN-018, FN-019, FN-022, FN-024, FN-025, FN-027, FN-028, FN-029, FN-030, FN-031, FN-032, FN-033, FN-034, FN-036, FN-037, FN-038, FN-039, FN-201, FN-202, FN-203, FN-204, FN-205, FN-206, FN-208, FN-209, FN-211, FN-212, FN-213, FN-220, FN-221, FN-301, FN-302, FN-303, FN-304, FN-305
Jungle Gems Crystal Glazes	CG-718NT, CG-722NT, CG-750NT, CG-768NT, CG-772NT, CG-779NT, CG-783NT, CG-785NT, CG-786NT, CG-788NT, CG-793NT, CG-795NT, CG-798NT, CG-958NT
One Stroke Translucent Underglazes	OS-1, OS-2, OS-21, OS-29, OS-3, OS-32, OS-34, OS-36, OS-4, OS-47, OS-6, OS-8

Pottery Coat Cascades	PC-601, PC-602, PC-603, PC-604
Raku	RK-103
Specialty Glazes	SG-101, SG-201, SG-202, SG-302
Speckled Stroke & Coat®	SP-203, SP-205, SP-206, SP-210, SP-211, SP-212, SP-213, SP-215, SP-216, SP-226, SP-227, SP-231, SP-241, SP-245, SP-253, SP-254, SP-260, SP-270
Stoneware Glazes	SW-100, SW-101, SW-103, SW-105, SW-106, SW-107, SW-109, SW-110, SW-112, SW-115, SW-116, SW-117, SW-118, SW-201, SW-202
Stroke & Coat®	SC-10, SC-11, SC-12, SC-13, SC-14, SC-15, SC-16, SC-17, SC-18, SC-25, SC-26, SC-27, SC-28, SC-29, SC-3, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-37, SC-39, SC-40, SC-41, SC-42, SC-43, SC-45, SC-46, SC-48, SC-5, SC-51, SC-52, SC-53, SC-54, SC-55, SC-58, SC-6, SC-60, SC-63, SC-65, SC-7, SC-70, SC-71, SC-72, SC-76, SC-77, SC-78, SC-79, SC-8, SC-83, SC-84, SC-85, SC-86, SC-9
Stroke & Coat® Accents	SA-002, SA-003
Underglazes	UG-01, UG-02, UG-03, UG-10, UG-100, UG-146, UG-19, UG-198, UG-201, UG-205, UG-209, UG-21, UG-210, UG-212, UG-22, UG-30, UG-31, UG-32, UG-34, UG-37, UG-42, UG-46, UG-50, UG-51, UG-53, UG-57, UG-67, UG-68, UG-72, UG-82, UG-87, UG-90, UG-91, UG-92, UG-93, UG-94, UG-95
XDiscontinued Products	AS-515, AS-523, AS-524, AS-531, AS-532, AS-534, AS-539, AS-545, AS-547, AS-548, CC-103, CC-104, CC-105, CC-106, OS-105, OS-136, OS-142, OS-147, OS-17, OS-18, OS-26, OS-38, OS-41, OS-48, OS-58, OS-60, OS-61, OS-62, OS-63, OS-9, PC-501, PC-502, PC-503, PC-504, PC-505, PS-551, PS-552, PS-553, PS-554, PS-555, S-2102, S-2103, S-2107, S-2109, S-2110, S-2111, S-2112, S-2113, S-2114, S-2115, S-2116, S-2117, S-2118, S-2119, S-2120, S-2121, S-2123, S-2126, S-2127, S-2128, S-2132, S-2133, S-2134, S-2136, S-2137, S-2138, S-2139, S-2140, S-2141, S-2142, S-2143, S-2144, S-2145, S-2146, S-2147, S-2148, S-2149, S-2150, S-2151, S-2152, S-2153, S-2154, S-2155, S-2159, S-2160, S-2161, S-2162, S-2163, S-2164, S-2165, S-2166, S-2167, S-2169, S-2171, S-2200, S-2201, S-2208, S-2209, S-2218, S-2220, S-2221, S-2223, S-2226, S-2227, S-2228, S-2229, S-2230, S-2231, S-2232, S-2233, S-2234, S-2235, S-2236, S-2237, S-2238, S-2239, S-2243, S-2401, S-2402, S-2408, S-2421, S-2422, S-2423, S-2424, S-2425, S-2427, S-2560, S-2561, S-2562, S-2564, S-2565, S-2566, S-2574, S-2577, S-2578, S-2579, S-2580, S-2581, S-2582, S-2585, S-2587, S-2588, S-2589, S-2590, S-2591, S-2592, S-2593, S-2710, S-2717, S-2722, SG-102, SG-301, SG-303, SLG-17, SLG-2, SLG-6, UG-104, UG-11, UG-12, UG-125, UG-130, UG-131, UG-145, UG-15, UG-18, UG-181, UG-189, UG-194, UG-24, UG-25, UG-26, UG-27, UG-33, UG-35, UG-38, UG-39, UG-41, UG-43, UG-45, UG-52, UG-69, UG-70, UG-71, UG-73, UG-80, UG-81, UG-83, UG-89, UG-95

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	ACGIH TLV	OSHA PEL
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.

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

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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Various Colors
Odor/Odor Threshold:	Negligible
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).

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 OR SPRAY MIST
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 dust, 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.

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 is listed by California, Proposition 65

Silica is 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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COLORAMICS, LLC does not assume any legal responsibility for use or reliance on same. Customers are encouraged to conduct their own tests before using any product. Read the product label.

For more information in AUSTRALIA see web site www.nohsc.gov.au