

**MAYCO MSDS  
North American:  
Non-Toxic Ceramic Glazes  
Premixed, Water Base**

30400-1040 -1046 -1050 -1056
-1060 -1066 -1070 -1076 -2020
-2026 -2030 -2036 -3710 -3716
-5050 -5056 -5120 -5126 -5140
-5146 -5150 -5156 -5580 -5586
-6460 -6466 -8540 -8546

**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

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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	<del>EL-101</del> , EL-102, EL-104, EL-107, EL-109, EL-110, EL-111, EL-112, EL-116, EL-118, <del>EL-121</del> , <del>EL-124</del>
Foundations	AC-306
Jungle Gems Crystal Glazes	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
One Stroke Translucent Underglazes	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
	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-97
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 <sup>3</sup>	0.10mg/m <sup>3</sup>
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 <sub>2</sub> 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, 3<sup>rd</sup> 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, 3<sup>rd</sup> 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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