

# MAYCO MSDS

## North American: Non-Toxic Ceramic Glazes

### 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 and Miscellaneous.

Discontinued Products: UG-111, UG-07

Astro Gems	AS-510, AS-512, AS-513, AS-515, AS-516, AS-518, AS-523, AS-524, AS-527, AS-531, AS-532, AS-534, AS-539, AS-545, AS-547, AS-548
Castables	SL-IP1
Classic Crackle	CC-101, CC-102, CC-103, CC-104, CC-105, CC-106, CC-107, CC-108
Clear & Dipping Glazes	NT-CLR
Cobblestone Glazes	SG-201, SG-202
Coloramics Fired Accessories	AC-306
Crystalites	S-2701, S-2702, S-2703, S-2704, S-2705, S-2706, S-2707, S-2708, S-2709, S-2710, S-2711, S-2712, S-2713, S-2714, S-2715, S-2716, S-2717, S-2718, S-2719, S-2722, S-2723, S-2724, S-2725, S-2726, S-2727, S-2731, S-2732
Crystalline Element Chunkies	CR-100, CR-201, CR-202, CR-203, CR-204, CR-205, CR-301
Element Chunkies	EL-201, EL-203, EL-204, EL-206, EL-209, EL-211, EL-212
Elements	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	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
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-105, OS-136, OS-147, OS-17, OS-18, OS-2, OS-21, OS-26, OS-29, OS-3, OS-34, OS-36, OS-38, OS-4, OS-41, OS-47, OS-58, OS-59, OS-60, OS-61, OS-62, OS-63, OS-8, OS-9
Pottery Coat	PC-501, PC-502, PC-503, PC-504, PC-505
Pottery Coat Cascades	PC-601, PC-602, PC-603, PC-604
Raku	RK-100, RK-101, RK-102, RK-103
Series 2000 Glazes	S-2000, S-2101, 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, SLG-17, SLG-2, SLG-6
Specialty Glazes	SG-101, SG-102, SG-301, SG-302, SG-303
Speckled Stroke & Coat®	SP-201, SP-202, SP-203, SP-205, SP-206, SP-210, SP-211, SP-212, SP-213, SP-215, SP-216, SP-223, SP-226, SP-227, SP-231, SP-241, SP-245, SP-253, SP-254, SP-260, SP-270, SP-275
Stoneware Glazes	SW-100, SW-101, SW-103, SW-105, SW-106, SW-107, SW-109, SW-110
Stroke & Coat®	SC-1, SC-10, SC-11, SC-12, SC-13, SC-14, SC-15, SC-16, SC-17, SC-18, SC-2, SC-22, 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-81, SC-82, SC-83, SC-84, SC-85, SC-86, SC-9
Stroke & Coat® Accents	SA-001, SA-002, SA-003
Underglazes	UG-1, UG-10, UG-100, UG-104, UG-11, UG-12, UG-125, UG-130, UG-131, UG-145, UG-146, UG-15, UG-18, UG-181, UG-189, UG-19, UG-194, UG-198, UG-2, UG-201, UG-21, UG-22, UG-24, UG-25, UG-26, UG-27, UG-3, UG-30, UG-31, UG-32, UG-33, UG-34, UG-35, UG-37, UG-38, UG-39, UG-41, UG-42, UG-43, UG-45, UG-46, UG-50, UG-51, UG-52, UG-53, UG-57, UG-58, UG-67, UG-68, UG-69, UG-70, UG-71, UG-72, UG-73, UG-80, UG-81, UG-82, UG-83, UG-87, UG-89, UG-90, UG-91, UG-92, UG-93, UG-94, UG-95, UG-97
XDiscontinued Products	PS-551, PS-552, PS-553, PS-554, PS-555

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS	ACGIH TLV	OSHA PEL
Silica	14808-60-7	0.10mg/M3	0.10mg/M3
Alumina Silicate	1332-58-7	N/A	N/A
Bentonite/Clay	1302-78-9	N/A	N/A
Water	7732-18-5	N/A	N/A

### SECTION 3: HAZARDS IDENTIFICATION

Crystalline Silica may be present (OSHA PEL .1mg/m<sup>3</sup>).

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 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

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. Harmful if inhaled or swallowed.

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. 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.

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.

### 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.  
See local requirements.

EU Status:  
Symbol- None  
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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