

<b>30460-1026</b>
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## MSDS Sheet - 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.**

Astro Gems	AS-510, AS-512, AS-513, AS-515, AS-516, AS-518, AS-519, AS-523, AS-524, AS-527, AS-531, AS-532, AS-534, AS-535, AS-539, AS-545, AS-547, AS-548
Chalkboard Glazes	SG-102
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
Cone 5/6	C6-100, C6-101, C6-102, C6-103, C6-104
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
Elements	EL-201, EL-203, EL-204, EL-206, EL-209, EL-211, EL-212
Foundations	EL-101, EL-102, EL-104, EL-107, EL-109, EL-110, EL-111, EL-112, EL-116, EL-118, EL-121, EL-124
One Stroke Translucent Underglazes	FN-001, FN-002, FN-005, FN-006, FN-007, FN-008, FN-009, FN-010
Pottery Coat	OS-1, OS-105, OS-136, OS-142, OS-147, OS-17, OS-18, OS-2, OS-21, OS-26, OS-29, OS-3, OS-32, OS-34, OS-36, OS-38, OS-4, OS-41, OS-47, OS-48, OS-58, OS-59, OS-6, OS-60, OS-61, OS-62, OS-63, OS-8, OS-9
	PC-501, PC-502, PC-503, PC-504, PC-505

Pottery Coat Cascades	PC-601, PC-602, PC-603, PC-604
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-2240, S-2242, 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
Specialty Glazes	SG-101, 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
Stoneware Glazes	SLG-17, SLG-2, SLG-6
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-9
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

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

<b>Ingredients</b>	<b>CAS</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>
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/m3)

Route(s) of Entry: Igestion, 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 Human: None during normal use. Harmful if inhaled or swallowed.

DO NOT SPRAY APPLY

If glaze is spray applied the following warnings apply: 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.

#### **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. Lead is listed in US-EPA Code of Federal Regulations 40, Part 261.24. 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.

#### **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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