

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 Chunkles	CR-100, CR-201, CR-202, CR-203, CR-204, CR-205, CR-301 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-007, FN-008, FN-009, FN-010, FN-011, FN-012, FN-013, FN-014
One Stroke Translucent Underglazes	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

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-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, SP-275
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-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

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/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

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