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**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
- Crystallites 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
- 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 F-210, 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-037, FN-201, FN-202, FN-203, FN-204, FN-205, FN-206, FN-207, FN-208, FN-209, FN-211, FN-212, FN-213, FN-220, FN-25, FN-26, FN-27, FN-28, FN-29, FN-30, FN-301, FN-302, FN-303, FN-304, FN-305, FN-306, FN-31, FN-32, FN-33, FN-34, FN-36, FN-38, FN-39, FN-40

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, CG-962NT

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-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-01, UG-02, UG-03, 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-201, UG-203, UG-205, UG-209, UG-21, UG-210, UG-211, UG-212, UG-22, UG-24, UG-25, UG-26, UG-27, 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/m3).

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:

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.
- Procedure/equipment: None
- Procedure for leaks or spills: Untampered 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.

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](http://www.nohsc.gov.au)

**MAYCO MSDS  
North American:  
Non-Toxic Ceramic Glazes  
Containing Encapsulated Cadmium Pigments**

**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**

Discontinued Glaze: SC-67 Cherry Bomb

Crystalites	S-2720, S-2721, S-2728, S-2729, S-2730
Foundations	FN-003, FN-004, FN-015, FN-016, FN-023, FN-35
Jungle Gems Crystal Glazes	CG-753NT, CG-756NT
One Stroke Translucent Underglazes	OS-44, OS-45, OS-46
Raku	RK-104
Series 2000 Glazes	S-2104, S-2105, S-2122, S-2130, S-2168, S-2170, S-2172, S-2224, S-2225, S-2240, S-2242, S-2586
Speckled Stroke & Coat®	SP-204, SP-274
Stroke & Coat®	SC-20, SC-23, SC-24, SC-4, SC-50, SC-73, SC-74, SC-75, SC-80, SC-87
Underglazes	UG-204, UG-206, UG-207, UG-208, UG-213, UG-84, UG-85, UG-86

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

Ingredients	CAS	ACGIH TLV	OSHA PEL
Cadmium Pigments in insoluble form	12656-57-4 & 58339-34-7	Cadmium .01 mg/m3	.2mg/m3
Bentonite	1302-78-9	N/A	N/A
Water	7732-18-5	N/A	N/A

Zirconium Compounds	7782-49-2	0.20mg/M3	0.20mg/M3
Silica	14808-60-7	0.10mg/M3	0.10mg/M3

### **SECTION 3: HAZARDS IDENTIFICATION**

Product contains insoluble cadmium pigments.

Crystalline silica may also be present.

(OSHA PEL .1mg/m3)

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:

Untamminated 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: Untamminated 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 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.

**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. The cadmium pigments used are encapsulated in a zirconium matrix. 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. 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.  
For cadmium UN number is 2570, guide number is 53

#### **SECTION 15: REGULATORY INFORMATION**

Silica and cadmium are listed by California , Proposition 65  
Silica and cadmium are listed on the IARC, OSHA or NTP carcinogen list.  
All Ingredients are on U.S. TSCA / EC / AICS / DSL Inventory.  
See local requirements.

WHMIS Status : Not Controlled

#### **SECTION 16: ADDITIONAL INFORMATION**

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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](http://www.nohsc.gov.au)