

REVISED DEC 2004
MAYCO MSDS SHEET #3
Active Products

406469

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Prepared: September 22, 2003
 Supersedes: All previous
 Manufacturer: MAYCO COLORS division of Coloramics, LLC
 4077 Weaver Court South
 Hilliard, Ohio 43026
 United States of America
 Distributor: 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(S) AND UNDERGLAZES AND MISCELLANEOUS.

Astro Gem Glazes AS-510, 512, 513, 515, 516, 518, 519, 520, 521, 523, 524, 527, 531, 532, 534, 535, 539, 541, 545, 547, 548, 551
 One Stroke Colors OS-1, 2, 3, 4, 6, 8, 9, 17, 18, 21, 26, 29, 32, 34, 36, 38, 41, 43, 44, 45, 46, 47, 48, 52, 54, 58, 59, 60, 61, 62, 63, 65, 66, 104, 105, 132, 136, 137, 138, 140, 142, 143, 144, 147, 153
 Underglazes UG-1, 2, 3, 7, 8, 10, 11, 12, 15, 17, 18, 19, 21, 22, 24, 25, 26, 27, 30, 31, 32, 33, 34, 35, 37, 38, 39, 41, 42, 43, 45, 46, 50, 51, 52, 53, 56, 57, 58, 67, 68, 69, 70, 71, 72, 73, 75, 78, 80, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 93, 94, 95, 97, 98, 100, 103, 104, 105, 108, 109, 110, 111, 116, 119, 125, 127, 128, 130, 131, 136, 141, 142, 144, 145, 146, 150, 178, 180, 181, 189, 191, 192, 194, 195, 196, 198, 201, 202
 Pottery Coats PC-501 through PC-505
 Pottery Coat Stuccos PS-551 through PS-555
 Pottery Cascades PC-601 through PC-604
 Miscellaneous AC-306, AC-308
 Series 2000 Glazes *S-2101-2168 and S2170
 S-2560, 2561, 2562, 2564, 2565, 2566, 2574, 2577, 2578, 2579, 2580, 2581, 2585
 S-2587, 2588, 2589, 2590, 2591, 2592, 2593
 *Excluding: S-2104, 2105, 2122, 2130, 2168, and 2586
 Series 2000 Mattes *S-2200, 2201, 2208, 2209, 2218, 2223, 2226, 2227, 2228, 2229, 2230, 2231, 208, S-2232, 2233, 2234, 2235, 2236, 2237, 2239, *Excluding S-2224, S-2225,
 Stroke & Coat Series - All Stroke and Coat (SC's) except SC-23, 58, 59, 62, 24, 20, 4, 67, 68, 50, SP-204, SD-304, SD-323 all SP series except SP-204
 Specstone Glazes S-2167, 2169, 2401, 2402, 2408, 2421, 2422, 2423, 2424, 2425, 2427
 Crystalites S-2701 through S-2718 & S-2719, S-2722, S-2723
 Roll a Coat SC-210
 Elements EL-101 through EL-118

Chunky Elements EL-201 through EL-209
 Classic Crackles CC-500 through CC-507
 Clear Glaze S-2000, S-2101, SC-209
 Stoneware Like Glaze - SLG-02, 06, 17

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS	ACGIH	OSHA TLV	PEL
Alumina Silicate	1332-58-7		NA	NA
Bentonite / Clay	1302-78-9		NA	NA
Water	7732-18-5		NA	NA

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: 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 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.

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: TOXICOLOGICAL 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

For more information in AUSTRALIA see web site www.nohsc.gov.au

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. 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

MAYCO MSDS SHEET #4
Active Products

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Prepared: September 22, 2003
 Supersedes: All previous
 Manufacturer: MAYCO COLORS division of Coloramics, LLC
 4077 Weaver Court South
 Hilliard, Ohio 43026
 United States of America
 Distributor: 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(S) AND UNDERGLAZE(S):

Astro Gem Glazes: AS-551
 One Stroke Colors: OS-44 through OS-46, OS-50, 53
 Underglazes: UG-84, UG-85, UG-86
 Series 2000: S-2104, 2105, 2122, 2130, 2168, 2586 (SAX 620-462)
 Matte Glazes S-2224, 2225
 Stroke N Coats SC-23, 58, 59, 62, 24, 20, 4, 67, 68, 50, SP-204
 Crystalites S-2720, S-2721

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS: CAS ACGIH OSHA TLV PEL

Cadmium Pigments	12656-57-4	Cadmium	.01mg/m3	.2mg/m3
in insoluble form	& 58339-34-7			
Bentonite	1302-78-9	NA	NA	
Water	7732-18-5	NA	NA	
Zirconium Compounds	7782-49-2	0.20mg/M3	0.20mg/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: 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 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 1000° F

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: TOXICOLOGICAL 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. The cadmium pigments used are encapsulated in a zirconium matrix. A toxicologist has certified these products 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. 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.
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.
EU Status:
Symbol- None for Frit
For Cadmium compounds
Harmful (xb)
R 20/21/22 - Harmful by inhalation and if swallowed

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