



# Stroke & Coat Glazes

## SECTION 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

**Product Identification:** Stroke & Coat® Glazes

**Product Usage:** Glazing of ceramic ware

**Product Identifier Codes:**

**Opaque Glazes:** SC-1 Pink-A-Boo, SC-2 Melon-choly, SC-3 Wine About It, SC-4 Salsa, SC-5 Tiger Tail, SC-6 Sunkissed, SC-7 Leapin' Lizard, SC-8 Just Froggy, SC-9 Jaded, SC-10 Teal Next Time, SC-11 Blue Yonder, SC-12 Moody Blue, SC-13 Grapel, SC-14 Java Bean, SC-15 Tuxedo, SC-16 Cotton Tail, SC-17 Cheeky Pinky, SC-18 Rosey Posey, SC-20 Birthday Suit, SC-22 Carrot Top, SC-23 Jack O' Lantern, SC-24 Dandelion, SC-25 Crackerjack Brown, SC-26 Green Thumb, SC-27 Sour Apple, SC-28 Blue Isle, SC-29 Blue Grass, SC-30 Blue Dawn, SC-31 The Blues, SC-32 Bluebeard, SC-33 Fruit Of The Vine, SC-34 Down To Earth, SC-35 Gray Hare, SC-36 Irish Luck, SC-37 Ivory Tower, SC-39 Army Surplus, SC-40 Blueberry Hill, SC-41 Brown Cow, SC-42 Butter Me Up, SC-43 Lettuce Alone, SC-45 My Blue Heaven, SC-46 Rawhide, SC-48 Camel Back, SC-50 Orange Ya Happy, SC-51 Poo Bear, SC-52 Toad-ily Green, SC-53 Purple Haze, SC-54 Vanilla Dip, SC-55 Yella Bout It, SC-58 501 Blues, SC-60 Silver Lining, SC-63 Popeye's Favorite, SC-65 Peri-Twinkle, SC-70 Pink-A-Dot, SC-71 Purple-licous, SC-72 Grape Jelly, SC-73 Candy Apple Red, SC-74 Hot Tamale, SC-75 Orange-A-Peel, SC-76 Cara-been Blue, SC-77 Glo-Worm, SC-78 Lime Light, SC-79 It's Sage, SC-80 Basketball, SC-81 Cinnamon Stix, SC-82 Tuscan Red, SC-83 Tip Taupe, SC-84 Dee John, SC-85 Orkid, SC-86 Old Lace, SC-87 Ruby Slippers, SC-88 Tu Tu Tango, SC-89 Cute Pie Coral, SC-90 Elephant Ears, SC-91 Seabreeze, SC-92 Cafe Ole, SC-93 Honeydew List, SC-94 Curry Around, SC-95 Pinkie Swear, SC-96 Aqu-ward, SC-97 Cant-elope

<b>Manufacturer:</b>	Coloramics, LLC (D.B.A. Mayco Colors)
	4077 Weaver Court South
	Hilliard, Ohio 43026
	United States of America
	(614) 876-1171

IN CASE OF EMERGENCY PLEASE CONTACT YOUR REGIONAL/LOCAL POISON CONTROL CENTER

## SECTION 2: HAZARDS IDENTIFICATION

**Classification of mixture:** Non-classified (1999/45/EEC)

Each glaze family is a mixture of ceramic material containing water, non-leaded frits, clay, and other minerals

and color pigments. Contains potential carcinogens: Crystalline silica (quartz), as an inhalation hazard, may be present if:

- Unfired, dried glaze is excessively handled and allowed to create dust.
- Mist is present after spray application

A few pigments may contain a very small amount of zirconium encapsulated cadmium, titanium dioxide, and other metals. Other ingredients present have no known acute toxicity.

**GHS Label Elements:** None Required

**Other Hazards:** None Known

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Each glaze family contain proprietary mixtures of ceramic materials (listed below) and color pigments. The Stroke & Coat® glaze line is classified as non-hazardous.

Ingredients	CAS #	Ranges of Percentages
Water	7732-18-5	42.1% - 47.4%
Frit	65997-18-4	34.5% - 40.2%
Clay/Kaolin	1332-58-7	4.6% - 5.3%
Silica (Quartz)	14808-60-7	4.6% - 5.3%
Zinc Oxide	1314-13-2	0% - 0.7%
Zirconium Silicate (Zr Si O <sub>4</sub> )	14940-68-2	0% - 8.7%
Bentonite	1302-78-9	0.6% - 0.7%
Carboxymethylcellulose	9004-34-2	0.7% - 0.8%
Proxel	75037-67-1	0.1%
Pigments	varies	varies

### SECTION 4: FIRST-AID MEASURES

- **Inhalation:** May cause irritation. Remove from exposure.
- **Skin:** May cause irritation. Wash skin with soap and water.
- **Eyes:** May cause irritation. Flush eyes with large quantities of water for at least 15 minutes. If irritation persists after washing, contact a physician.
- **Ingestion:** Contact a physician.

**Important Symptoms/Effects:** None Known

**Immediate Medical Attention/Special Treatment:** None Known

## SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** None
- **Specific Hazards Arising From Chemical:** None
- **Special Protective Equipment and Precautions for Fire Fighters:** None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions, Protective Equipment and/or Emergency Procedures:** None
- **Environmental Precautions:** None
- **Methods and Materials for Containment and Clean-Up:** Wipe/Mop spill area and rinse with water

## SECTION 7: HANDLING AND STORAGE

- **Precautions for Safe Handling:** Ventilation - local exhaust if spray application is used
- **Work/Hygienic Practices:** Food, beverages, and smoking materials should not be in the work area. Wash thoroughly before eating, drinking, smoking, or applying cosmetics.
- **Conditions for Safe Storage, Including Incompatibilities:** None

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients	CAS #	PEL	TLV
Silica (Quartz)	14808-60-7		0.025 mg/m <sup>3</sup>
Zinc Oxide	1314-13-2	5.0 mg/m <sup>3</sup>	2.0 mg/m <sup>3</sup>

Remaining main glaze ingredients do not have formal Exposure Limits. Some pigments contain metals that have exposure limits (Co, TiO<sub>2</sub>, Cu, Cr, Mn) but are used in low levels.

These glazes are non-hazardous liquid mixtures of ceramic materials containing, water, non-leaded frits, clay, and other minerals and color pigments. These mixtures have no TLV or PEL.

- **Engineer Control:** Adequate ventilation (local exhaust) if spray application is used.
- **Respiratory Protection:** Use a NIOSH approved respirator if spray application is used.
- **Protective Gloves:** Not normally needed.
- **Eye Protection:** Wear appropriate eye protection or safety glasses to keep mist out of eyes if spray application is used.
- **Personal Protective Clothing or Equipment:** Wear appropriate clean, protective clothing such as, but not limited to, overalls, smocks, and aprons.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Colored and/or Clear Liquid Mixtures
<b>Odor/Odor Threshold:</b>	Negligible
<b>PH:</b>	N/A
<b>Boiling Point/Range:</b>	N/A
<b>Freezing point:</b>	32°F
<b>Flash Point:</b>	None
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Flammability:</b>	None
<b>Evaporation Rate:</b>	None
<b>Upper/Lower Explosive Limits:</b>	None
<b>Partition Coefficient (octanol/water):</b>	N/A
<b>Relative Density:</b>	N/A
<b>Solubility in Water:</b>	Partial
<b>Decompositional Temperature:</b>	None
<b>Viscosity:</b>	N/A
<b>Auto ignition temperature:</b>	None

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	None Known
<b>Chemical Stability:</b>	Stable
<b>Possibility of Hazardous Reactions:</b>	None Known
<b>Conditions to Avoid:</b>	Fumes from firing in kiln; Mist created from spray application.
<b>Incompatible Material:</b>	None Known
<b>Hazardous Decomposition or By-Products:</b>	None Known

**SECTION 11: TOXICOLOGY INFORMATION**

**Primary Route(s) of Entry:** Dermal, Inhalation.

**Hazard to Humans:** None during normal use. The highest threat of inhalation exists during the excessive handling of dried, unfired glazed ware and/or during spray application.

Acute Toxicity: N/A

Carcinogenicity: N/A

Skin Corrosion/Irritation: N/A

Reproductive Toxicity: N/A

~~Serious Eye Damage/Irritation: N/A~~

~~STOT-Single Exposure: N/A~~

Respiratory/Skin Sensitization: N/A

STOT-Repeated Exposure: N/A

Germ Cell Mutagenicity: N/A

Aspiration Hazard: N/A

Additional information:

These mixtures contain silica, a known carcinogen. Inhalation is the route of entry into the body that can lead to the development of Silicosis.

These water-based, premixed products should be non-toxic during recommended use.

Some of the pigments may contain small amounts of various forms of metals (Sn, Mn, TiO<sub>2</sub>, Cu, Zr, V, Fe, Co, Cr, Ni, Cd), some of which are considered carcinogenic. The metals in pigments may be in form of frits, spinel or formed from high temperature calcination that may have a different bioavailability than the metal itself. Silica and pigments in the glaze should be non-toxic during recommended use.

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## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	None
<b>Biodegradability:</b>	No
<b>Mobility in Soil:</b>	No
<b>Persistence:</b>	Yes
<b>Bioaccumulation:</b>	No
<b>Other Adverse Effects:</b>	None

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## SECTION 13: DISPOSAL CONSIDERATIONS

Follow local, state and federal regulations.

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## SECTION 14: TRANSPORTATION INFORMATION

Product Identifier: Non-Hazardous Mixtures

UN Shipping Name: N/A

UN Number: None

Environmental Hazard: None

Packing Group: None

Transportation Hazard Class: N/A

Special Precautions: None

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## SECTION 15: REGULATORY INFORMATION

**Federal, State and Local regulations not provided elsewhere in the SDS:****National Regulations:**

United States:

- TSCA: all components of these products are on the US TSCA Inventory
- SARA Section 313 Toxic Chemicals: None
- IARC, OSHA and NTP: Silica (Quartz), Titanium Dioxide, Cobalt, Nickel and Chromium are listed on the carcinogen list.

**State Regulations:**

California

- Proposition 65: Silica (Quartz), Titanium Dioxide, Cobalt, Nickel and Chromium are listed on the carcinogen list.

**Chemical Safety Assessment:**

Conforms to ASTM D 4236 This material has been evaluated under the provisions of LHAMA (Labeling of Hazardous Art Material Act). This product is judged to be non-toxic and non- flammable under proposed use conditions. No special warning is required under the provisions of LHAMA or California Proposition 65 during use.

**SECTION 16: ADDITIONAL INFORMATION**

Mayco Glazes do not contain and products and/or ingredients derived from nuts, peanuts, eggs, milk, or gluten. Mayco Glazes do not contain latex.

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Acronyms used in this SDS:

- CAS #: Chemical Abstracts Service Number
- TSCA: Toxic Substances Control Act
- SARA: Superfund Amendments and Reauthorization Act
- IARC: International Agency for Research on Cancer
- OSHA: Occupational Safety and Health Administration
- NTP: National Toxicology Program
- PEL: Permissible Exposure Limit
- TLV: Threshold Limit Values

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