



# Stoneware Glazes & Washes - Premixed

## SECTION 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

**Product Identification:** Stoneware Glazes, Stoneware Washes

**Product Usage:** Glazing of ceramic ware

**Product Identifier Codes:**

**Stoneware Glazes:** SW-100 Blue Surf, SW-101 Stoned Denim, SW-102 Silver Sage, SW-103 Sisal, SW-104 Black Walnut, SW-105 Frost Blue, SW-106 Alabaster, SW-107 Dunes, SW-108 Green Tea, SW-109 Capri Blue, SW-110 Oyster, SW-111 Wrought Iron, SW-112 Tiger's Eye, SW-113 Speckled Plum, SW-115 Midnight Rain, SW-116 Robin's Egg, SW-117 Honeycomb, SW-118 Sea Salt, SW-119 Cinnabar, SW-120 Northern Woods, SW-121 Smoke, SW-122 Maycoshino, SW-123 Sapphire, SW-124 Matte Maycoshino, SW-125 Purple Mint, SW-126 Polished Pebbles, SW-127 Olivine, SW-128 Cordovan, SW-129 Copper Float, SW-130 Copper Jade, SW-131 Birch, SW-132 Mirror Black, SW-133 Copper Ore, SW-134 Eggplant, SW-135 Wintergreen, SW-136 Weathered Blue, SW-137 Storm Gray, SW-138 Lemon Meringue, SW-139 Creamsicle, SW-140 Black Matte, SW-141 White Matte, SW-142 Gray Matte, SW-143 Abalone, SW-144 Lava Rock, SW-145 Tea Dust, SW-146 Aurora Green, SW-147 Moonscape, SW-148 Lime Shower

**Stoneware Ice Glazes:** SW-201 Turquoise, SW-202 Pistachio, SW-203 Root Beer, SW-204 Amber Topaz, SW-205 Coral, SW-206 Melon, SW-207 Chambray, SW-208 Camel, SW-209 Charcoal, SW-210 Emerald, SW-211 Glacier Blue, SW-212 Peacock

**Stoneware Opal Glazes:** SW-250 White Opal, SW-251 Pink Opal, SW-252 Blue Opal, SW-253 Green Opal, SW-254 Yellow Opal, SW-255 Gray Opal

**Stoneware Clear Glazes:** SW-001 Clear, SW-002 Matte Clear, SW-003 Crackle Matte Clear

**Stoneware Washes:** SW-301 Iron, SW-302 Rutile, SW-303 Manganese, SW-304 Copper, SW-305 Cobalt

**Stoneware Specialty Glazes:** SW-401 Mayco Flux

**Crystalline Glazes:** CR-100 Crystalline Clear, CR-301 Seeding Media

<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 Stoneware glaze line is classified as non-hazardous.

Ingredients	CAS #	Ranges of Percentages
Water	7732-18-5	46.5% - 64.7%
Frit	65997-18-4	0.0% - 33.4%
Silica (Quartz)	14808-60-7	0.0% - 17.3%
Clay/Kaolin	1332-58-7	0.0% - 23.4%
Zinc Oxide	1314-13-2	0.0% - 32.3%
Bentonite	1302-78-91	0.3% - 1.5%
Nepheline Syenite	37244-96-5	0.0% - 20.4%
Calcium Carbonate	471-34-1	0.0% - 10.9%
Sodium Carbonate	497-19-8	0.0% - 8.4%
Talc	14807-96-6	0.0% - 15.6%

Bone Ash	68439-85-1	0.0% - 6.5%
Lithium Carbonate	544-13-2	0.0% - 2.8%
Aluminum Oxide	1344-28-1	0.0% - 2.0%
Zirconium Silicate	14940-68-2	0.0% - 5.4%
Carboxymethylcellulose	9004-34-2	0.0% - 1.6%
Proxel	75037-67-1	0.1%
Pigments	varies	varies

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## 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

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## SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** None
  - **Specific Hazards Arising From Chemical:** None
  - **Special Protective Equipment and Precautions for Fire Fighters:** None
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## 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
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## 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
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## 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 mg/m <sup>3</sup>	2.0 mg/m <sup>3</sup>
Talc	14807-96-6		2.0 mg/m <sup>3</sup>
Calcium Carbonate	471-34-1	5 mg/m <sup>3</sup>	10.0 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.

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## 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

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## 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

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## 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.

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## 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

<b>Prepared:</b>		July 17, 2014
<b>Supersedes:</b>		November 4, 2010