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# Stoneware Glazes & Washes - Premixed

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## SECTION 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

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

**Product Usage:** Glazing of ceramic ware

### Product Identifier Codes:

**Stoneware Glazes:** SW100 Blue Surf, SW101 Stoned Denim, SW102 Silver Sage, SW103 Sisal, SW104 Black Walnut, SW105 Frost Blue, SW106 Alabaster, SW107 Dunes, SW108 Green Tea, SW109 Capri Blue, SW110 Oyster, SW111 Wrought Iron, SW112 Tiger's Eye, SW113 Speckled Plum, SW115 Midnight Rain, SW116 Robin's Egg, SW117 Honeycomb, SW118 Sea Salt, SW119 Cinnabar, SW120 Northern Woods, SW121 Smoke, SW122 Maycoshino, SW123 Sapphire, SW124 Matte Maycoshino, SW125 Purple Mint, SW126 Polished Pebbles, SW127 Olivine, SW128 Cordovan, SW129 Copper Float, SW130 Copper Jade, SW131 Birch, SW132 Mirror Black, SW133 Copper Ore, SW134 Eggplant, SW135 Wintergreen, SW136 Weathered Blue, SW137 Storm Gray, SW138 Lemon Meringue, SW139 Creamsicle, SW140 Black Matte, SW141 White Matte, SW142 Gray Matte, SW143 Abalone, SW144 Lava Rock, SW145 Tea Dust, SW146 Aurora Green, SW147 Moonscape, SW148 Lime Shower, SW149 Crackle White, SW150 Celadon Bloom, SW151 Olive Float, SW152 Splatterware Blue, SW153 Indigo Rain, SW154 Shipwreck, SW155 Winter Wood, SW156 Galaxy, SW158 Lilac Matte, SW159 Blue Matte, SW160 Chartreuse Matte, SW161 Yellow Matte, SW162 Pink, SW163 Soft Red Matte, SW164 Satin Patina, SW165 Lavender Mist, SW166 Norse Blue, SW167 Sand & Sea, SW168 Coral Sands, SW169 Frosted Lemon, SW170 Blue Hydrangea, SW171 Enchanted Forest, SW172 Macadamia, SW173 Amber Quartz, SW174 Leather, SW175 Rusted Iron, SW176 Sandstone, SW177 Raspberry Mist, SW178 Fool's Gold, SW179 Muddy Waters, SW180 Dessert Dusk, SW181 Nightmoth, SW182 Antique Brass, SW183 Oxblood

**Stoneware Ice Glazes:** SW201 Turquoise, SW202 Pistachio, SW203 Root Beer, SW204 Amber Topaz, SW205 Coral, SW206 Melon, SW207 Chambray, SW208 Camel, SW209 Charcoal, SW210 Emerald, SW211 Glacier Blue, SW212 Peacock

**Stoneware Opal Glazes:** SW250 White Opal, SW251 Pink Opal, SW252 Blue Opal, SW253 Green Opal, SW254 Yellow Opal, SW255 Gray Opal

**Stoneware Clear Glazes:** SW001 Clear, SW002 Matte Clear, SW003 Crackle Matte Clear, SW004 Zine Free Clear

**Stoneware Washes:** SW301 Iron, SW302 Rutile, SW303 Manganese, SW304 Copper, SW305 Cobalt

**Stoneware Specialty Glazes:** SW402 Light Flux, SW-402 Dark Flux, SW-403 White Mudcrack, SW-404 Black Mudcrack, SW-405 Light Magma, SW-406 Dark Magma

**Stoneware Gloss Glazes:** SW501 White Gloss, SW502 Yellow Gloss, SW503 Orange Gloss, SW504 Red Gloss, SW505 Purple Gloss, SW506 Bright Blue Gloss, SW507 Bright Green Gloss, SW508 Black Gloss, SW509 Dark Green Gloss, SW510 Blue Gloss

**Crystalline Glazes:** CR100 Crystalline Clear, CR301 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

**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 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.

**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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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.

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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