



1726835BK, 9726835Bl, 1726835BM, 9726835BN  
 1726835BR, 9726835BT, 1726835BU, 9726835BV,  
 9726835BW, 9726835BX, 1726835BY, 9726835BZ  
 1726835CA, 9726835CC, 9726835CD, 1726835CE  
 9726835CF, 9726835CG, 9726835CJ

# Crystal Glazes 6437

## SECTION 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

**Product Identification:** Crystalite™ and Jungle Gem™ Glazes

**Product Usage:** Glazing of ceramic ware

**Product Identifier Codes:**

**Crystalite™ Glazes:** S-2701 Peacock Eyes, S-2701 Northern Lights, S-2703 Berryberry Pie, S-2704 Plum Jelly, S-2708 Oriental Carmel, S-2709 Cappuccino Mint, S-2711 Tahiti Grape, S-2712 Monsoon Seas, S-2713 Buttercup Blue, S-2714 Herb Garden, S-2715 Spotted Kiwi, S-2716 Celestial Blue, S-2718 Cosmic Black, S-2723 Grape Divine, S-2724 Lotus Blossom, S-2725 Safari, S-2726 Cheetah, S-2727 Poppy Fields, S-2729 Citrus Splash, S-2731 Kaboom

**Jungle Gem™ Glazes:** CG-707 Woodland Fantasy, CG-713 Peacock Green, CG-716 Pagoda Green, CG-717 Pistachio, CG-718 Blue Caprice, CG-722 Seawind, CG-750 Noel, CG-753 Sassy Orange, CG-756 Firecracker, CG-772 Sand Petal, CG-779 Black Opal, CG-780 Mystic Jade, CG-783 Strawberry Sundae, CG-785 Royal Fantasy, CG-786 Obsidian, CG-788 Dutch Enamelware, CG-795 Yadro Print, CG-798 Black Iris, CG-954 Wildfire, CG-958 Lagoon Blue, CG-961 Evergreen, CG-962 Blue Azure, CG-963 Lemon Lime, CG-964 Kaleidoscope, CG-985 Mocha Marble, CG-966 Tiger Lily, CG-967 Green Agate, CG-968 Peppermint Twist, CG-969 Floral Fantasy, CG-970 Masquerade, CG-971 Purple Cosmos, CG-972 Dragon Breath, CG-973 Alligator, CG-974 Bloomin' Blue, CG-975 Sky Diamonds, CG-976 Teal Drop, CG-977 Ink Spot

|                      |                                       |
|----------------------|---------------------------------------|
| <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 Crystalite™ and Jungle Gem™ glaze lines are classified as non-hazardous.

| Ingredients            | CAS #      | Ranges of Percentages |
|------------------------|------------|-----------------------|
| Water                  | 7732-18-5  | 39.0% - 46.7%         |
| Frit                   | 65997-18-4 | 29.3% - 38.4%         |
| Clay/Kaolin            | 1332-58-7  | 3.1% - 5.4%           |
| Zinc Oxide             | 1314-13-2  | 0.0% - 0.9%           |
| Bentonite              | 1302-78-91 | 0.0% - 0.7%           |
| Nepheline Syenite      | 1344-28-1  | 0.0% - 9.4%           |
| Calcium Carbonate      | 471-34-1   | 0.0% - 2.3%           |
| Zirconium Silicate     | 14940-68-2 | 0.0% - 4.6%           |
| Carboxymethylcellulose | 9004-34-2  | 0.0% - 0.6%           |
| 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                    |
|-------------------|-----------|---------------------|------------------------|
| Zinc Oxide        | 1314-13-2 | 5 mg/m <sup>3</sup> | 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

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

## SECTION 10: STABILITY AND REACTIVITY

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

## 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 |

## SECTION 13: DISPOSAL CONSIDERATIONS

Follow local, state and federal regulations.

## 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

## 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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