



7026

# Elements Chunkies Glazes

## SECTION 1: IDENTIFICATION OF SUBSTANCE AND SUPPLIER

**Product Identification:** Elements™ Chunkies Glazes

**Product Usage:** Glazing of ceramic ware

**Product Identifier Codes:**

9721772 A 9721772 B 9721772 D 9721772 E 9721772 G  
9721772 H 9721772 J 9721772 L  
**Glazes:** EL-201 River Bottom, EL-202 Bark, EL-204 Glowing Embers, EL-205 Jade Pebbles, EL-207 Goldmine,  
EL-208 Moss Creek, EL-209 Night Sky, EL-211 Volcanic Glow

|                      |                                       |
|----------------------|---------------------------------------|
| <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 materials containing, water, non-leaded frits, clay, and other minerals and color pigments. Contains potential carcinogens: Crystalline silica (quartz) may be present (up to 1% in product). A few pigments may contain a very small amount of bound 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 Elements™ glaze line is classified as non-hazardous.

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|--|--|--|
|  |  |  |
|--|--|--|

| Ingredients            | CAS #      | Ranges of Percentages |
|------------------------|------------|-----------------------|
| Water                  | 7732-18-5  | 46.1% - 53.2%         |
| Frit                   | 65997-18-4 | 36.6% - 44.4%         |
| Clay/Kaolin            | 1332-58-7  | 2.9% - 5.5%           |
| Zinc Oxide             | 1314-13-2  | 0.8% - 2.0%           |
| Bentonite              | 1302-78-91 | 0.0% - 1.3%           |
| Aluminum Oxide         | 1344-28-1  | 0.0% - 2.1%           |
| Cryolite               | 15096-52-3 | 0.0% - 4.8%           |
| Zirconium Silicate     | 14940-68-2 | 0.0% - 4.3%           |
| Carboxymethylcellulose | 9004-34-2  | 0.4% - 0.7%           |
| RM60C                  | N/A        | 0.0% - 17.5%          |
| 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                   |
|----------------|-----------|---------------------|-----------------------|
| Aluminum Oxide | 1344-28-1 | 5 mg/m <sup>3</sup> | 1.0 mg/m <sup>3</sup> |
| Zinc Oxide     | 1314-13-2 | 5 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      |
| <u>Additional information:</u>      |                             |

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

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