DRY STONEWARE GLAZES

SAFETY DATA SHEET (SDS)

Version: 01
Date of Issue: **August 28, 2020**

According to: Article 18(3)(a) of Regulation (EC) No 1272/2008

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name: Dry Stoneware Glazes
MATTE CLEAR (SD002), CRACKLE (SD003), MATTE MAYCOSHINO (SD124), COPPER ORE (SD133), CRACKLE WHITE (SD149), LILAC MATTE (SD158), BLUE MATTE (SD159), CHARTRUSE MATTE (SD160), YELLOW MATTE (SD161), PINK MATTE (SD162), SOFT READ MATTE (SD163), MACADAMIA (SD172), AMBER QUARTZ (SD173), LEATHER (SD174), SANDSTONE (SD176), LIGHT MAGMA (SD405), DARK MAGMA (SD406)

Other Means of Identification: None
Product Description: Powder formulations (5 lbs per color) intended to be used for arts and crafts purposes.

Hazardous Components for labelling:

- Quartz (crystalline silica) (CAS No. 14808-60-7)
- Zinc oxide (CAS No. 1314-13-2)
- 6021 Zircon, Cadmium Red (CAS No. 72828-62-7)
- Trisodium hexafluoroaluminate (CAS No. 13775-53-6)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s): Use product for its intended purpose as a glaze product intended for arts and crafts purposes. This product is intended for small batch use.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Coloramics LLC
4077 Weaver Court South
Hilliard, OH 43026

Business Phone: 614-675-1171
Email: info@maycocolors.com

1.4 Emergency telephone number

Emergency Telephone: Contact the local poison control centre.

Section 2 – Hazard(s) Identification

2.1. Classification of the substance or mixture

According to: Regulation (EC) No 1272/2008 [CLP]

	Health	Environment	Physical
Classification according to Regulation (EC) No 1272/2008 [CLP]	Specific Target Organ Toxicity – Repeated Exposure (Category 2), H373 Carcinogenicity (Category 1A), H350i	Not classified	Not classified
SCL and/or M-factor	N/A	N/A	N/A

Classification Procedure	N/A	N/A	N/A

2.2. Label elements

Label Pictogram:

Signal Word: Danger

Hazard statements & Precautions:

Specific Target Organ Toxicity (Category 2)	**Causes damage to organs through prolonged or repeated exposure.** Do not breathe dust/fume/gas/mist/vapors/spray. (P260) Get medical advice/attention if you feel unwell. (P314) Dispose of contents/container in accordance with local, regional, national, and/or international regulations. (P501)
Carcinogenicity (Category 1Ai)	**May cause cancer by inhalation.** Obtain special instructions before use. (P201) Do not handle until all safety precautions have been read and understood. (P202) Do not breathe dust. (P260) Use personal protective equipment as required. (P281) IF exposed or concerned: Get medical advice/attention. (P308+P313) Store locked up. (P405) Dispose of contents/container in accordance with local, regional, national, and/or international regulations. (P501)

2.3. Other hazards

- No other hazards have been identified for this product.

Section 3 – Composition / Information on Ingredients[a]

Chemical Name	CAS No.	EINECS No.	% Weight
Quartz (crystalline silica)	14808-60-7	238-878-4	up to 0.605%
Zinc oxide	1314-13-2	215-222-5	up to 5.145592%
6021 Zircon, Cadmium Red	72828-62-7	Not available	up to 2.921168%
Trisodium hexafluoroaluminate	13775-53-6	237-410-6	up to 17.147885%

[a] the remaining ingredients in the product are considered non-hazardous and were therefore not disclosed in the SDS.

Section 4 – First Aid Measures

4.1 Description of first aid measures

Eye contact: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and immediately flush eyes with water. Seek medical attention if in doubt.

Skin contact: No specific first aid measures are required. Wash skin thoroughly with soap and water. If skin irritation or rash occurs get medical attention. Launder contaminated clothing before reuse.

Inhalation: If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if you feel unwell.

Ingestion: No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to **Section 11** - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Not required

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding area if material is involved in a fire (e.g., water fog, water spray, foam, dry chemical or carbon dioxide).

Unsuitable Extinguishing Media: None known

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards: Container may rupture on heating. See also **Section 10** - Stability and Reactivity.

5.3 Advice for firefighters

- Wear a self-contained breathing apparatus.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment (PPE) and emergency procedures

Personal Precautions: Avoid dust formation. Ventilate area if spilled in confined space or other poorly ventilated areas. Observe PPE advice in **Section 8** – Exposure Controls/Personal Protection.

Emergency Procedures: Evacuate personnel to safe areas.

6.2 Environmental precautions:

- Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities. Prevent further leakage or spillage if it is safe to do so.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Dispose of contents/container in accordance with local/regional/national/international regulations.

6.4 Reference to other sections

- Refer to **Section 8** - Exposure Controls/Personal Protection and **Section 13** – Disposal Considerations.

Section 7– Handling and Storage

7.1 Precautions for safe handling

- Avoid breathing dust. Avoid contact with skin and eyes. Provide adequate ventilation. Observe good industrial hygiene practices. When using do not eat, drink or smoke. Wear appropriate personal protective equipment. Keep containers closed and locked away in a well-ventilated space when not in use. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Launder contaminated clothing before reuse.
- Refer to **Section 8** - Exposure Controls/Personal Protection

7.2 Conditions for safe storage, including any incompatibilities

- Keep from freezing. Do not store in open, unlabeled or mislabeled containers. Keep container tightly closed and dry. Store away from incompatible materials. Store locked up. See **Section 10** for incompatible materials.

7.3 Specific end use(s)

- Refer to **Section 1.2** - Relevant identified uses.

Section 8– Exposure Controls / Personal Protection

8.1 Control Parameters:

Occupational exposure limits:

Chemical Name	CAS No.	ACGIH TLVs TWA (mg/m^3)	OSHA PELs TWA (mg/m^3)	NIOSH RELs TWA (mg/m^3)	DFG MAK TWA (mg/m^3)
Quartz (crystalline silica)	14808-60-7	0.025	0.05	0.05	Not applicable
Zinc oxide	1314-13-2	2	15 (total dust) 5 (respirable fraction)	5 (dust only)	0.1 (respirable)
6021 Zircon, Cadmium Red	72828-62-7	Not applicable	Not applicable	Not applicable	Not applicable
Trisodium hexafluoroaluminate	13775-53-6	2.5 (as fluoride)	2.5 (as fluoride)	Not applicable	Not applicable

8.2 Exposure Controls:

Appropriate engineering controls

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required. In case of dust formation use a respirator with an approved filter.

8.3 Personal Protective Equipment

Note: Consider the concentration and amount of product at the workplace when selecting PPE. Use protective equipment as required.

Respiratory: Use appropriate respiratory protection when handling to minimize exposure to dust particles. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Eyes/Face: If contact is likely, safety glasses with side shields are recommended. An eyewash bottle or station should be available in the workplace. Wear a face shield if splash or spray is likely.

Hands:	Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur, wear chemically protective gloves.
Body/Skin:	Wear chemically impervious gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material.
Thermal Hazards:	None known.
Environmental Exposure Controls:	Not available.
Hygiene measures:	Observe good industrial hygiene practices. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace and should be washed before reuse. When using the product do not eat, drink or smoke.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

Appearance: **Physical state:** **Form:** **Color:** **Odor:**	 Dry Powder Powder See section 1.1 No odor	**Partition Coefficient n-octanol/water:** **Auto-ignition temperature:**	Not available Not available
Odor threshold:	Not available	**Decomposition temperature:**	Not available
pH (as supplied):	Not available	**Dynamic viscosity:**	Not available
Freezing point:	Not available	**Molecular weight:**	Not available
Boiling point:	Not available	**Taste:**	Not available
Flash point:	Not available	**Explosive properties:**	Not available
Evaporation rate:	Not available	**Oxidizing properties:**	Not available
Flammability:	Not available	**Surface tension:**	Not available
Upper/lower explosive limits:	Not available	**Gas group:**	Not available
Vapor pressure:	Not available	**pH (as solution):**	8 - 10
Water solubility:	Not available	**VOC:**	Not available
Solubility (other):	Not available	**Particle size range:**	D50 of 10 µm
Vapor density (Air = 1):	Not available	**Specific gravity (Water = 1):**	Not available
Relative density:	Not available		

9.2 Other information

- No data available.

Section 10 – Stability and Reactivity

10.1 Reactivity

- No data available.

10.2 Chemical stability

- This material is considered stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

- None known.

10.4 Conditions to avoid

- None known.

10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong reducing agents
- Strong oxidizing agents

10.6 Hazardous decomposition products

Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

Section 11 – Toxicological Information

Likely routes of exposure: Skin/eye contact, inhalation of dust.
Potential signs and symptoms:

Acute oral toxicity:	Zircon, cadmium red (CAS No. 72828-62-7) has been classified for acute oral toxicity (Category 4). The product is practically nontoxic based on available data. The oral acute toxicity estimate (ATE) for the whole product is >5000 mg/kg.
Acute dermal toxicity:	6021 Zircon, cadmium red (CAS No. 72828-62-7) has been classified for acute dermal toxicity. The product is practically non-toxic based on available data.
Acute inhalation toxicity:	Trisodium hexafluoroaluminate (CAS No. 13775-53-6) has been classified for acute inhalation toxicity (Category 4). The product is practically non-toxic based on available data.
Skin corrosion/irritation:	The components in this product are not irritating to skin based on animal studies and available data.
Serious eye damage/irritation:	The components in this product are not irritating to the eyes based on animal studies and available data. Irritation may occur if powder gets into the eyes. Signs and symptoms include but are not limited to: dryness, itchiness, pain, and redness. Wash eyes thoroughly following eye contact and wear proper PPE to minimize dust exposure.
Respiratory or skin sensitization:	Zircon, cadmium red (CAS No. 72828-62-7) has been classified for both respiratory and skin sensitization. The other components in this product are not sensitizing to the skin or respiratory system based on available data.
Mutagenicity:	The components of this product are not classified with respect to mutagenicity by the IARC, NTP, and ACGIH.
Carcinogenicity:	Quartz (crystalline silica) (CAS No. 14808-60-7) is listed in Group 1 by IARC. Quartz (crystalline silica) is listed as a carcinogen by NTP and ACGIH. No other components are classified with respect to carcinogenicity by the IARC, NTP, and ACGIH.
Reproductive Toxicity:	Trisodium hexafluoroaluminate (CAS No. 13775-53-6) has been classified for reproductive toxicity (may cause harm to breast fed children). No other components in this product are reproductive hazards based on available information, human and/or animal studies.
Specific target organ toxicity (single exposure):	The components in the product are not single exposure specific target organ toxicity hazards based on available information, human and/or animal studies.

Specific target organ toxicity (repeated exposure): Quartz (crystalline silica) (CAS No. 14808-60-7) and trisodium hexafluoroaluminate (CAS No. 13775-53-6) have been classified as a repeated exposure specific target organ toxicity hazard. Extended inhalation of quartz (crystalline silica) at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis). Signs and symptoms include but are not limited to: difficulty breathing and coughing. The other components in this product are not repeated exposure specific target organ toxicity hazards based on available information, human and/or animal studies.

Aspiration hazard: The components in this product are not aspiration hazards based on available information, human and/or animal studies.

References:
ECHA. 2020. REACH Registered Substances Database.
International Agency for Research on Cancer

Section 12 – Ecological Information

12.1 Toxicity

Chemical Name	CAS No.	Species	Result (mg/L)
Zinc oxide	1314-13-2	Selenastrum capricornutum	CE50=170 (72-hour)

12.2 Persistence and degradability
- No product data available.

12.3 Bioaccumulative potential
- No data available.

12.4 Mobility in Soil
- No data available.

12.5 Results of PBT and vPvB assessment
- No data available.

12.6 Other adverse effects
- No further data available.

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

Contaminated Packaging: Container packaging may exhibit hazards.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport. Review classification requirements before shipping materials at elevated temperatures.

	ADR/RID/ADNR/DOT	IMO/IMDG	ICAO/IATA
14.1 UN number	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es):	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated

14.5 Environmental hazards	Not regulated	Not regulated	Not regulated
14.6 Special precautions for user	Not regulated	Not regulated	Not regulated

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union
Seveso Directive (2012/18/EU): No components in this product are listed.
Regulation (EC) No. 1005/2009, Annex I and II: No components in this product are listed.
Regulation (EC) No. 689/2008, Annex I, Parts I-III: No components in this product are listed.
Regulation (EC) No. 850/2004, Annex I: No components in this product are listed.

International:
IARC: Quartz (crystalline silica) (CAS No. 14808-60-7) is listed in Group 1. No other components in this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

- None available for the components in this product.

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

Section 16 – Other Information

List of acronyms and abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists	vPvB: very Persistent, very Bioaccumulative
ADR: International Carriage of Dangerous Goods by Road	MARPOL: Maritime Pollution
ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine	M-factor: Multiplying factor
ATE: Acute Toxicity Estimate	NIOSH REL: National Institute for Occupational Safety and Health recommended exposure limit
CAS: Chemical Abstract Service Number	NTP: National Toxicology Program
CLP: Classification, Labelling and Packaging Regulation (EC) No 1272/2008	OSHA: Occupational Safety and Health Administration
DFG MAK: Deutsche Forschungsgemeinschaft maximale arbeitsplatz-konzentration	PBT: Persistent, Bioaccumulative and Toxic
DOT: Department of Transportation	PEL: Permissible Exposure Limit
EC: European Commission	PPE: Personal Protective Equipment
ECHA: European Chemicals Agency	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
GHS: Globally Harmonized System	RID: International Carriage of Dangerous Goods by Rail
IARC: International Agency for Research on Cancer	SCL: Specific Concentration Limit
IATA: International Air Transport Association	SDS: Safety Data Sheet
IBC: International Bulk Chemical	TLV: Threshold limit value
ICAO: International Civil Aviation Organization	TWA: Time Weighted Average (8-hour)
IMDG: International Maritime Dangerous Goods	UN: United Nations
IMO: International Maritime Organization	VOC: Volatile Organic Compound

References:

- European Chemicals Agency (ECHA) Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- European Chemicals Agency Classification and Labelling Inventory Database.

Disclaimer:
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present

unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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