

## SAFETY DATA SHEET

### Section 1: IDENTIFICATION

Name, address, telephone number and emergency telephone number of the manufacturer:

Standard Ceramic Supply Company  
24 Chestnut Street / P.O. Box 16240  
Carnegie, PA 15106-2028  
Telephone / Emergency Telephone Number: 412-276-6333

Product Identification: Ceramic Glazes

Recommended use of product: Glazing of ceramic ware

White (Matte)	532	Sea Mist (Glossy)	1200
Stoney White (Matte)	1049	Mediterranean Mist (Glossy)	1201
Waxy White (Matte)	1065	Pewter (Glossy)	1205
Black (Matte)	1066	Chambray (Glossy)	1206
Brown (Matte)	1067	Fog (Gray Green) (Glossy)	1207
Crème (Matte)	1068	Hunter Green (Glossy)	1208
Clear Crackle (Glossy)	1069	Yellow (Glossy)	1209
Dark Blue (Glossy)	1071	Dark Red (Glossy)	1210
Transparent (Glossy)	1087	Orange Red (Glossy)	1211
Transparent (Matte)	1088	Orange (Glossy)	1212
Walnut Brown (Glossy)	1110	Oatmeal (Glossy)	1214
Stormy Blue (Glossy)	1111	Khaki (Matte)	1215
Celedon (Glossy)	1112	Stone Blue (Matte)	1216
Periwinkle Blue (Glossy)	1113	Merlot (Glossy)	1217
Black (Glossy)	1118	Purple-Purple (Glossy)	1218
White (Glossy)	1119	Grape (Glossy)	1219
Clear (Glossy)	1125	Iron Red (Glossy)	1220

Bright Red (Glossy)	1194	Coral Pink (Glossy)	1221
Layering Glaze (Glossy)	1198	Midnight Sky (Glossy)	1222
Clear (Glossy)	1199	Moss (Glossy)	1223
Iridescent Iron (Glossy)	1224	Mottled Pink (Matte)	1234
Mottled Green Transparent (Glossy)	1225	Peach (Matte)	1235
Mink Brown Transparent (Glossy)	1226	Frosted Moss (Matte)	1236
Mottled Blue (Glossy)	1227	Midnight Moss (Matte)	1237
Ivy Green Transparent (Glossy)	1228	Frosted Cherry (Matte)	1238
Mottled Brown Transparent (Glossy)	1229	Frosted Turquoise (Matte)	1239
Snow-on-brick (Glossy)	1230	Blue Sapphire (Glossy)	1240
Medium Cork (Glossy)	1231	Warm Sky Blue (Glossy)	1241
Hay Bale Yellow (Matte)	1232	Teal Green (Glossy)	1242
Pale Seaweed (Matte)	1233	Granny Apple Green (Glossy)	1243
		Shrimp Bisque (Glossy)	1244

**Section 2: HAZARDS IDENTIFICATION**

Contains Crystalline Silica

<b>Classification:</b>	Eye Damage/Irritation	Category 2
	Skin Corrosion/Irritation	Category 2 Specific Target Organ
	Toxicity - Single Exposure	Category 3 - Respiratory
	Specific Target Organ Toxicity/Repeated Exposure	Category 1 - Respiratory
	Carcinogenicity	Category 1a

**Label Elements:**



**Signal Word:**

**DANGER**

**Hazard Statement(s): H372: Causes damage to lungs through prolonged or repeated exposure via inhalation.**

Precautionary Statement(s): P260: Do not breathe dust.  
P285: Always wear respiratory protection.  
P501: Dispose of contents/containers in accordance with local regulation.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS NUMBER	% OF FORMULA
Silica (Quartz)	14808-60-7	1% - 3%
Calcium Carbonate	1317-65-3	0% - 3%
Frit (lead free)	65997-18-4	21% - 55%
Various Pigments	Confidential	Varies
Kaolin/Clay	1332-58-7	2% - 7%
Zinc Oxide	1314-13-2	0% - 1%
Nepheline Syenite / Feldspars	37244-96-5	0% - 13%
Zirconium Silicate (Zr Si O4)	10101-57-7	0% - 7%
Bentonite	1302-78-9	0% - 2%
Bone Ash	7758-23-8	0% - 10%
Gillespie Borate (Gerstley sub)	12007-56-6	0% - 20%
Lithium Carbonate	554-13-2	0% - 15%
Spodumene, Chemical (2% Iron)	1302-66-5	0% - 25%
Tin Oxide	18282-10-5	0% - 8%
Titanium Dioxide	13464-67-7	0% - 10%
Wollastonite	13983-17-0	0% - 20%

**Section 4: FIRST-AID MEASURES**

**DESCRIPTION OF FIRST-AID MEASURES**

**Ingestion:** Contact a physician immediately.

**Inhalation:** May cause irritation; remove from exposure.

**Skin Contact:** May cause irritation; rinse skin with soap and water.

**Eye Contact:** May cause irritation; flush eyes with water for at least 15 minutes. If irritation continues afterwards, contact a physician.

**Section 5: FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

Suitable extinguishing media: None

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS**

Protective equipment for firefighters: None

Special firefighting procedures: 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: None

Special Spill Response Procedures: None

**Section 7: HANDLING AND STORAGE**

Precautions for Safe Handling and Use: Local Exhaust Ventilation when spraying

Conditions for Safe Storage: None

Incompatible Materials: None

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE LIMITS**

Ingredients	OSHA PEL	ACGIH TLV
Silica (Si O <sub>2</sub> )	30 mg/m <sup>3</sup>	0.025mg/m <sup>3</sup>
Calcium Carbonate	15mg/m <sup>3</sup>	N/A
Frit	N/A	N/A
Various Pigments	N/A	N/A

Kaolin/Clay	N/A	N/A
Zinc Oxide	15mg/m3	2mg/m3
Nepheline Syenite / Feldspars	N/A	N/A
Zirconium Silicate	N/A	N/A
Bentonite	30mg/m3	0.1mg/m3
Bone Ash	N/A	N/A
Gillespie Borate	15mg/m3	5mg/m3
Lithium Carbonate	15mg/m3	N/A
Spodumene, Chemical (2% Iron)	N/A	N/A
Tin Oxide	2.0mg/m3	N/A
Titanium Dioxide	10mg/m3	10mg/m3
Wollastonite	10mg/m3	0.025mg/m3

#### EXPOSURE CONTROLS

**Ventilation and engineering measures:** Adequate Ventilation (local exhaust) when spraying.

**Respiratory protection:** Use a NIOSH approved respirator when spraying.

**Skin protection:** Wear appropriate protective clothing such as, overalls, smocks, and aprons.

**Eye/face protection:** Wear safety glasses to keep dust out of eyes.

**Hygienic Practices:** Food, beverages, and smoking materials should not be in work area. Employees should wash hands thoroughly before eating, drinking, or smoking.

### Section 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Colored or clear liquids
Upper/lower flammability or explosive limits:	None
Odor:	None
Vapor pressure:	N/A
Odor threshold :	Negligible
Vapor density:	N/A
pH:	N/A
Relative density:	N/A
Freezing point:	32 degrees Fahrenheit
Solubility(ies)	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	N/A
Evaporation rate:	N/A
Flammability (solid gas)	N/A
Partition coefficient: n-octanol/water:	None
Auto-ignition temperature:	N/A
Decomposition temperature:	None
Viscosity:	N/A

### Section 10 : STABILITY /REACTIVITY

Reactivity: N/A

Chemical stability: Stable

Possibility of hazardous reactions: None

Conditions to avoid: Fumes from firing in the kiln; Mist created from applying spray

Incompatible materials: None

Hazardous decomposition products: N/A

**Section 11: TOXICOLGICAL INFORMATION****INFORMATION ON LIKELY ROUTES OF EXPOSURE**

**Routes of Entry:** Inhalation is the most important during dispensing and mixing of dry products or excessive handling of unfired glazed materials during spraying.

**POTENTIAL HEALTH EFFECTS, Signs and symptoms of short-term (acute) exposure:**

**Sign and symptoms inhalation:** Coughing or irritation may occur.

**Sign and symptoms ingestion:** Sickness or irritation may occur.

**Sign and symptoms skin:** Redness or irritation may occur.

**Sign and symptoms eyes:** Redness or irritation may occur.

**Potential chronic health effects:** These mixtures contain silica, which can cause Silicosis through inhalation over an extended period of time. Overexposure to silica may also result in injury to the lungs.

**Carcinogenicity:** Cobalt is considered an animal carcinogen. Silica (quartz) is a human carcinogen.

**Additional Information:** The water-based, premixed products and the dry mix products, when mixed with water, should be non-toxic during recommended use.

**Pigments** are various metals and compound metals; these may contain aluminum, chromium (III) vanadium, cobalt, copper, iron, manganese, praseodymium, selenium, tin, zinc, and zirconium. The risk of exposure to these metals is minimal due to low percentages used in glazed formulas. Dermal exposure is negligible since some of the metals used have poor dermal absorption. Inhalation exposure increases with the use of dry mix products.

**Frits** are fused silica glass like substances. Bioavailability is limited because of the physical appearance of the frit.

**Toxicological data:** These products conform to ASTM-4236 and have been certified by an independent, 3<sup>rd</sup> party toxicologist to be NON-TOXIC.

**Section 12: ECOLOGICAL INFORMATION (non-mandatory)**

Eco toxicity: None

Persistence and degradability: Yes

Bioaccumulation potential: No

Mobility in soil: No

Other adverse environmental effects: None

**Section 13: DISPOSAL CONSIDERATIONS (non-mandatory)**

Handling for Disposal: None

Methods of Disposal: None

**Section 14: TRANSPORT INFORMATION (non-mandatory)**

UN Shipping Name: N/A

UN Number: None

Environmental Hazard: None

Packing Group: None

Transportation Hazard Class: N/A

Special Precautions: None

**NOT DANGEROUS FOR TRANSPORT**

**Section 15: REGULATORY INFORMATION (non-mandatory)**

Silica (Quartz) and Cobalt are both listed by California, Proposition 65, as a carcinogen.

Silica (Quartz) and Cobalt are listed on the IARC, OSHA, and NTP carcinogen list.

All ingredients are on U.S. TSCA Inventory.



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All products listed in this SDS conform to ASTM-4236 standards. Materials have been evaluated under the provisions of Labeling of Hazardous Art Material Act. These products have been listed as non-toxic and non-flammable under proposed use conditions. No specific warning is required.

**Section 16: OTHER INFORMATION**

This information is furnished with out warranty, representation, inducement or license of any kind, except that it is accurate to the best of knowledge of Standard Ceramic Supply Company or obtained from other references and sources believed to be accurate.

Standard Ceramic Supply Company does not assume any legal responsibility for use or reliance on our products. Customers are encouraged to conduct their own tests before using any product. Read all product labels prior to handling.

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