

**Material Safety Data Sheet**

Product/Material: Clay  
Manufacturer/Distributor: Campbells Ceramic Supply  
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**Section 1 – Product Information**

Product Name: **BRICK RED STONEWARE**  
Chemical Family: Ceramic Clay

**Section Two – Hazardous Ingredients**

Ingredient Name	Maximum %	CAS Number	OSHA PEL TWA: (mg/m3)	NIOSH REL TWA(mg/m3)	ACGIH TLV TWA: (mg/m3)
Silica, Crystalline	30	14808-60-7	10 mg/m3	0.05	0.05
Cristobalite	5	14464-46-1	5 mg/m3	0.05	0.05
Titanium Dioxide	5	13463-67-7	15 mg/m3		10

**Section Three – Physical Data**

Boiling Point – Not Applicable.  
Vapor Pressure – Not Applicable  
Vapor Density – Not Applicable  
Solubility in Water - Insoluble  
Specific Gravity – 1.7-3.7  
Percent Volatile by Weight - 0  
Evaporation Rate - 0  
Appearance and Odor – Color Varies between moist and dry state; no odor.

**Section Four – Fire and Explosion Hazard Data**

Flash Point – Not Flammable.  
Extinguishing Method - Water  
Unusual Fire or Explosion Hazards – None  
Special Fire Fighting Procedures - None

**Section Five – Reactivity Data**

Stability Factor – Product is Stable  
Incompatibility - None  
Hazardous Decomposition Rate - None  
Condition to avoid – Inhalation of dust.

**Section Six – Health Hazard Data**

***Cristobalite***

Reported Inhalation of respirable cristobalite over a number of years can cause lung disease (silicosis) and increase the risk of developing lung cancer.

***Silica, Crystalline***

A single exposure will not result in serious adverse health affects.

Respirable crystalline silica can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica inhaled from occupational sources is classified as carcinogenic to humans. There are some studies that show excess numbers of cases of scleroderma and other connective tissue disorders in workers exposed to respirable crystalline silica. Silicosis increases the risk of tuberculosis. There are some studies that show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

#### **Titanium Dioxide**

NIOSH has identified titanium dioxide as a potential occupational carcinogen.

**Primary routes of entry** - Inhalation (dry form only), ingestion and dermal.

**Summary of risks** - Individuals with lung disease/condition (e.g. bronchitis, emphysema, chronic pulmonary disease) can be aggravated by exposure.

**Emergency First Aid** - No specific first aid is necessary since the adverse health effects associated with these compound results from chronic exposures.

**Eye Contact** - May be irritant, flush eyes with generous amounts of water for at least 15 minutes; call a physician if irritation persists.

**Skin Contact** - May cause local dermatitis, which is relieved when removed.

**Ingestion** - Toxicity is low.

**Inhalation** - Remove to fresh air; call a physician if irritation due to inhalation persists.

**Physicians Note** - None.

#### **Section Seven - Precautions for Safe Handling and Use**

**Spills or Release Procedure** - Follow normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum or use wet clean up techniques.

**Waste Disposal Procedure** - Dispose material in accordance with federal, states and local regulations.

#### **Section Eight - Control Measures**

Provide adequate ventilation to keep dust or vapor concentrations below acceptable exposure limits. Use gloves as needed for handling material containers. Wear safety glasses when needed. Appropriate respiratory protection may be required to protect from certain dusts. Respirators must be selected and used in accordance with OSHA Subpart 1 of (29CFR 1910.134)

#### **Section Nine - Disclaimer**

This information provided in this MSDS document has been provided to Campbells Ceramic Supply by its material suppliers and is represented by those suppliers and is represented by those supplies as accurate and reliable.

Campbells Ceramic Supply is not liable for injury, loss, or damage, direct or consequential, arising out of the uses or inability to properly use this product. This product is intended only for use in traditional ceramic applications.

This MSDS conforms to the ASTM D-4236 and C-1023 requirements defined by LHAMA, The federal Labeling of Hazardous Art Materials Act. LHAMA was developed by the American Society of Testing Materials (ASTM) to ensure the proper labeling of art materials.

