

#### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Refractory Cement  
**SDS Number:** 33  
**Product Code:** 610, 611, 612  
**Revision Date:** 6/21/2019  
**Version:** 1  
**Product Description:** Pre-mixed cement  
**Product Use:** For masonry to masonry repairs; Use to set, coat, or repair brick in fire boxes.

**Supplier Details:** Rutland Products  
7 Crabtree Road  
Jacksonville, IL 62650

**Contact:** Faith Nergenah, Brian Miller  
**Phone:** 217-245-7810  
**Fax:** 217-245-1194  
**Email:** faith@rutland.com bmillier@rutland.com  
**Web:** www.rutland.com  
**Emergency:** CHEMTREC (800) 424-9300

#### 2 HAZARDS IDENTIFICATION

##### Classification of the Substance or Mixture

###### GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Oral  
Health, Skin corrosion/irritation, 2  
Health, Serious Eye Damage/Eye Irritation, 2 B

##### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **WARNING**

**GHS Hazard Pictograms:**



###### GHS Hazard Statements:

H303 - May be harmful if swallowed  
H315 - Causes skin irritation  
H320 - Causes eye irritation

###### GHS Precautionary Statements:

P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical advice/attention.  
P312 - Call a POISON CONTROL CENTER (800-122-2222), physician or emergency room if you feel unwell.

##### Hazards not Otherwise Classified (HNOC) or not Covered by GHS

**Route of Entry:** Eyes; Ingestion; Skin;

**Skin Contact:** May cause irritation.

**Eye Contact:** May cause irritation.

**Ingestion:** Ingestion is not an applicable route of entry for intended use. May be harmful if swallowed.



## Safety Data Sheet

### Refractory Cement

#### 3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
1332-58-7		Kaolin
1310-73-2		Sodium hydroxide (NaOH)
1344-09-8		Silicic acid, sodium salt
13983-17-0		Calcium Metasilicate (Wollastonite)

Percentages withheld, Trade Secret

#### 4 FIRST AID MEASURES

- Inhalation:** Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.
- Skin Contact:** Wash with plenty of water. Get medical attention if irritation develops or persists.
- Eye Contact:** Immediately flush eyes with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.
- Ingestion:** If Swallowed, DO NOT INDUCE VOMITING. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Never give anything by mouth to an unconscious or convulsive person.

#### 5 FIRE FIGHTING MEASURES

**Flammability:** Non-Flammable

Use any standard agent - choose the one most appropriate for type of surrounding fire.

#### 6 ACCIDENTAL RELEASE MEASURES

Absorb spilled material and place in appropriate container for disposal.

#### 7 HANDLING AND STORAGE

- Handling Precautions:** Avoid contact with eyes and skin. Use in a well-ventilated area. Avoid inhalation of vapors and mists.
- Storage Requirements:** Keep container closed to prevent drying out.

#### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.
- Personal Protective Equipment:** EYES AND FACE: Wear safety glasses with side shields. Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent) are recommended. SKIN: Wear protective clothing, including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse. RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment.



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**9****PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Buff	<b>Odor:</b>	Mild
<b>Physical State:</b>	Paste	<b>Molecular Formula:</b>	Not Available
<b>Odor Threshold:</b>	Not Available	<b>Solubility:</b>	Soluble in water
<b>Particle Size:</b>	Not Available	<b>Softening Point:</b>	Not Available
<b>Spec Grav./Density:</b>	1.8	<b>Percent Volatile:</b>	Not Available
<b>Viscosity:</b>	Not Available	<b>Heat Value:</b>	Not Available
<b>Saturated Vapor Concentration:</b>	Not Available	<b>Freezing/Melting Pt.:</b>	Not Available
<b>Boiling Point:</b>	Not Available	<b>Flash Point:</b>	Not Available
<b>Flammability:</b>	Not Available	<b>Octanol:</b>	Not Available
<b>Partition Coefficient:</b>	Not Available	<b>Vapor Density:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available	<b>VOC:</b>	Not Available
<b>pH:</b>	12.5	<b>Bulk Density:</b>	Not Available
<b>Evap. Rate:</b>	Not Available		Not Available
<b>Molecular weight:</b>	Not Available	<b>Auto-Ignition Temp:</b>	Not Available
<b>Decomp Temp:</b>	Not Available	<b>UFL/LFL:</b>	Not Available

**10****STABILITY AND REACTIVITY**

<b>Reactivity:</b>	This product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	None Known
<b>Materials to Avoid:</b>	Strong Acids; Strong Oxidizing Agents;
<b>Hazardous Decomposition:</b>	None Known
<b>Hazardous Polymerization:</b>	Will not occur.

**11****TOXICOLOGICAL INFORMATION**

No data available.

**12****ECOLOGICAL INFORMATION**

No information available

**13****DISPOSAL CONSIDERATIONS**

Dispose of this product in accordance with all applicable local, state and federal regulations.

**14****TRANSPORT INFORMATION**

Not Regulated



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#### REGULATORY INFORMATION

RQ (CAS#) Substance - Reg Codes

Kaolin (1332-58-7) CAPROP65, OSHAWAC, PA, TSCA, TXAIR

RQ(1000LBS), Sodium hydroxide (NaOH) (1310-73-2) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

Silicic acid, sodium salt (1344-09-8) TSCA

Calcium Metasilicate (Wollastonite) (13983-17-0)

Regulatory Code Legend

RQ = Reportable Quantity

CAPROP65 = California Prop 65

OSHA WAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

MASS = MA Massachusetts Hazardous Substances List

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#### OTHER INFORMATION

PREPARED BY: Brian Miller

MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.

Revision Date: 6/21/2019