

SAFETY DATA SHEET



Date Prepared : 07/16/2015

SDS No : 600

Date Revised : 01/27/2017

Revision No : 4

Castable Refractory Cement

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Castable Refractory Cement
GENERAL USE: High temperature refractory cement
PRODUCT CODE: 600

MANUFACTURER

Rutland Products
 7 Crabtree Rd.
 Jacksonville, IL 62650
Emergency Phone: 800-424-9300
Alternate Emergency Phone: 217-245-7810
Customer Service: 800-544-1307
E-Mail: sales@rutland.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553
CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Carcinogenicity, Category 1A

GHS LABEL

Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H350: May cause cancer.

PRECAUTIONARY STATEMENTS**Prevention:**

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P308+P313: IF exposed or concerned: Get medical advice/ attention.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents in accordance with local/regional/national/international regulations.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS
Portland Cement	Withheld, trade secret.	65997-15-1
Calcium Sulfate, Dihydrate	Withheld, trade secret.	13397-24-5
Silica, quartz	Withheld, trade secret.	14808-60-7

4. FIRST AID MEASURES

EYES: 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.

SKIN: Wash with plenty of water. Get medical attention if irritation develops or persists.

INHALATION: Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-Flammable

EXPLOSION HAZARDS: NA = Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: With shovel or scoop, place material into clean, dry container; move containers from spill area. Minimize airborne particulates. Protect against inhalation of dusts. Wear gloves and long sleeves. Avoid contact with skin. Use eye protection.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin, and clothing.

HANDLING: Use with adequate ventilation. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Keep away from food and drinking water.

STORAGE: Keep in a cool, well ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Calcium Sulfate, Dihydrate	OSHA PEL	TWA		15T, 5
Silica, quartz	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	[2]	0.05 [2]

Footnotes:
1. Total Dust = (30 mg/m³)/(%SiO₂+2)
2. Respirable

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Powdered solids
ODOR: Mild, not unpleasant.
ODOR THRESHOLD: Not Available
COLOR: Brown to grey
pH: Not Available
FLASH POINT AND METHOD: NA = Not Applicable.
FLAMMABLE LIMITS: NA = Not Applicable.
AUTOIGNITION TEMPERATURE: NA = Not Applicable.
VAPOR PRESSURE: Not Available
VAPOR DENSITY: Not Available
BOILING POINT: Not Available
FREEZING POINT: Not Available
MELTING POINT: Not Available
THERMAL DECOMPOSITION: Not Available
SOLUBILITY IN WATER: Not Available
PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Available
EVAPORATION RATE: Not Available
DENSITY: Not Available
VISCOSITY: Not Available

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No
STABILITY: Stable product.
CONDITIONS TO AVOID: None known
HAZARDOUS DECOMPOSITION PRODUCTS: None known
INCOMPATIBLE MATERIALS: Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

SKIN CORROSION/IRRITATION: No adverse effects due to skin contact are expected.
SERIOUS EYE DAMAGE/IRRITATION: Direct contact with eyes may cause temporary irritation.
RESPIRATORY OR SKIN SENSITISATION: Not a respiratory or skin sensitizer.
CARCINOGENICITY
NOTES: May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.
REPRODUCTIVE TOXICITY: This product is not expected to cause reproductive or developmental effects.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: None known
ECOTOXICOLOGICAL INFORMATION: None known
BIOACCUMULATION/ACCUMULATION: None known

13. DISPOSAL CONSIDERATIONS

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

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14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION):** Not regulated**ROAD AND RAIL (ADR/RID):** Not regulated**AIR (ICAO/IATA):** Not regulated**VESSEL (IMO/IMDG):** Not regulated**15. REGULATORY INFORMATION****UNITED STATES****TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Portland Cement	65997-15-1

CALIFORNIA PROPOSITION 65: WARNING: Contains chemical(s) known by the State of California to cause cancer.**16. OTHER INFORMATION****PREPARED BY:** Chad Stewart **Date Revised:** 01/27/2017**REVISION SUMMARY:** This SDS replaces the 01/27/2017 SDS.**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.