

Safety Data Sheet

Castable Refractory Cement

1**PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: Castable Refractory Cement
SDS Number: 2
Product Code: 600, 601, 601D
Revision Date: 6/27/2019
Version: 1
Chemical Family: Calcium Silicates
Product Description: High-Heat, High Strength Castable Cement
Product Use: Casting, Fire Brick repair

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, Carcinogenicity, 1 A
Health, Specific target organ toxicity - Repeated exposure, 2

GHS Label Elements, Including Precautionary Statements**GHS Signal Word:** **DANGER****GHS Hazard Pictograms:****GHS Hazard Statements:**

H350 - May cause cancer.
H373 - May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure.

GHS Precautionary Statements:

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.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container according to all local, state and federal regulations.

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

Route of Entry: Eyes; Skin; Inhalation;
Target Organs: Respiratory system
Inhalation: Respiratory tract irritation may occur with exposure to a large amount of material.
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

Castable Refractory Cement

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
65997-15-1		Portland cement
13397-24-5		Gypsum
1317-65-3		Limestone
14808-60-7		Silica, crystalline

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:** Do not induce vomiting. Seek immediate medical attention.

5 FIRE FIGHTING MEASURES

- Flash Point:** None
- Flash Point Method:** Not Applicable
- Burning Rate:** Not Applicable
- Autoignition Temp:** Not Applicable, does not ignite.
- LEL:** Not Applicable
- UEL:** Not Applicable

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

6 ACCIDENTAL RELEASE MEASURES

Sweep up, place in bag and hold for waste disposal.

7 HANDLING AND STORAGE

- Handling Precautions:** Avoid contact with eyes, skin, or clothing. Avoid prolonged and repeated contact with skin. Wash thoroughly after handling. Keep away from food and drinking water.
- Storage Requirements:** Store in cool/dry area.

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:** Exhaust ventilation; In poorly ventilated areas you must wear a supplied air respirator. Usage of safety glasses/ goggles is recommended. Wear protective clothing, including long sleeves and gloves, to prevent skin contact.



Safety Data Sheet

Castable Refractory Cement

9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Gray-brown	Odor:	Odorless
Physical State:	Powdered Solid	Molecular Formula:	Not Available
Odor Threshold:	Not Available	Solubility:	Insoluble in water
Particle Size:	Not Available	Softening Point:	Not Available
Spec Grav./Density:	Not Available	Percent Volatile:	Not Available
Viscosity:	Not Available	Heat Value:	Not Available
Saturated Vapor Concentration:	Not Available	Freezing/Melting Pt.:	Not Available
Boiling Point:	Not Available	Flash Point:	Not Available
Flammability:	Not Available	Octanol:	Not Available
Partition Coefficient:	Not Available	Vapor Density:	Not Available
Vapor Pressure:	Not Available	VOC:	Not Available
pH:	Not Available	Bulk Density:	Not Available
Evap. Rate:	Not Available	Auto-Ignition Temp:	Not Available
Molecular weight:	Not Available	UFL/LFL:	Not Available
Decomp Temp:	Not Available		

10**STABILITY AND REACTIVITY**

Reactivity:	This product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Contact with incompatible materials
Materials to Avoid:	Strong Oxidizing Agents
Hazardous Decomposition:	No hazardous decomposition products are known.
Hazardous Polymerization:	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



Safety Data Sheet

Castable Refractory Cement

15

REGULATORY INFORMATION

RQ (CAS#) Substance - Reg Codes

Portland cement (65997-15-1) MASS, OSHAWAC, PA, TSCA, TXAIR

Gypsum (13397-24-5) OSHAWAC, PA, TXAIR

Limestone (1317-65-3) MASS, OSHAWAC, PA, TSCA, TXAIR

Silica, crystalline (14808-60-7) GADSL, MASS, NRC, OSHAWAC, PA, PROP65, TSCA, TXAIR



WARNING

This product can expose you to chemicals including Silica, Crystalline, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Regulatory Code Legend

MASS = MA Massachusetts Hazardous Substances List

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

GADSL = Global Automotive Declarable Substance List (GADSL)

NRC = Nationally Recognized Carcinogens

PROP65 = CA Prop 65

16

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: 6/27/2019