

Safety Data Sheet

Furnace Cement

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Furnace Cement
SDS Number: 5
Product Code: 64
Revision Date: 10/21/2021
Version: 1
Chemical Family: High Temperature Cement
Product Description: Stove and gasket cement
Product Use: Repair chips or cracks, repointing mortar joints in fire brick; bonding fire bricks together.
Instructions: Not for exterior use. Masonry to metal, metal to metal. Heat curing to 500 F required.

Supplier Details: Rutland
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 POISON CONTROL (800) 222-1222

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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

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

Health, Carcinogenicity, 2
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:

H351 - Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H315 - Causes skin irritation
H320 - Causes eye irritation

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P234 - Keep only in original container.
P260 - Do not breathe dust or mist.
P264 - Wash skin thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
P281 - Use personal protective equipment as required.
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 - IF exposed or concerned: Get medical advice/ attention.
P310 - Immediately call a POISON CENTER or doctor/ physician.
P321 - Specific treatment (see supplemental first aid instructions on this label).
P363 - Wash contaminated clothing before reuse.
P390 - Absorb spillage to prevent material damage.
P405 - Store locked up.
P406 - Store in corrosive resistant stainless steel container with a resistant inner liner.
P501 - Dispose of contents/ container to an approved waste disposal plant.

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

Route of Entry: Eyes; Skin; Ingestion

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.

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3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
1332-58-7		Kaolin
1344-09-8		Silicic acid, sodium salt
1333-86-4		Carbon black
68476-25-5		Feldspar-group minerals
12001-26-2		Mica
1310-73-2		Sodium hydroxide (NaOH)

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

- Flammability:** 0 to 0
- Flash Point:** None
- Flash Point Method:** Not Applicable
- Burning Rate:** Not Applicable
- Autoignition Temp:** Not Applicable
- LEL:** Not Applicable
- UEL:** Not Applicable

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, skin, or clothing. Use with adequate ventilation. 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:**
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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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black	Odor:	None
Physical State:	Paste	Molecular Formula:	Not Available
Odor Threshold:	Not Applicable	Solubility:	Soluble in water
Particle Size:	Not Applicable	Softening Point:	Not Applicable
Spec Grav./Density:	1.8-1.9	Percent Volatile:	Not Available
Viscosity:	Not Applicable	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:	11-12	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		

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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 Acids; Strong Bases; Strong Oxidizing Agents;
Hazardous Decomposition:	No hazardous decomposition products are known.
Hazardous Polymerization:	Will not occur.

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TOXICOLOGICAL INFORMATION

No data available.

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ECOLOGICAL INFORMATION

No information available

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DISPOSAL CONSIDERATIONS

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

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TRANSPORT INFORMATION

Not Regulated by DOT

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REGULATORY INFORMATION

RQ (CAS#) Substance - Reg Codes

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

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

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

Carbon black (1333-86-4) MASS, OSHAWAC, PA, PROP65, TSCA, TXAIR

Feldspar-group minerals (68476-25-5) TSCA

Mica (12001-26-2) MASS, OSHAWAC, PA, TXAIR



WARNING

This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Regulatory Code Legend

RQ = Reportable Quantity
OSHAWAC = 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
PROP65 = CA Prop 65

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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: 10/21/2021