

## Safety Data Sheet

### Black Furnace Cement

**1****PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** Black Furnace Cement  
**SDS Number:** 25  
**Product Code:** 64A, 64, 65, 66, 67, 68, 69  
**Revision Date:** 5/7/2019  
**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 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 POISON CONTROL (800) 222-1222

**2****HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Serious Eye Damage/Eye Irritation, 2 B  
Health, Skin corrosion/irritation, 2

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

H320 - Causes eye irritation  
H315 - Causes skin 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.  
P362 + P364 - Take off contaminated clothing and wash it before reuse.  
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.

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

|                                       |                |                              |                  |
|---------------------------------------|----------------|------------------------------|------------------|
| <b>Appearance:</b>                    | Black          | <b>Odor:</b>                 | None             |
| <b>Physical State:</b>                | Paste          | <b>Molecular Formula:</b>    | Not Available    |
| <b>Odor Threshold:</b>                | Not Applicable | <b>Solubility:</b>           | Soluble in water |
| <b>Particle Size:</b>                 | Not Applicable | <b>Softening Point:</b>      | Not Applicable   |
| <b>Spec Grav./Density:</b>            | 1.8-1.9        | <b>Percent Volatile:</b>     | Not Available    |
| <b>Viscosity:</b>                     | Not Applicable | <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>                            | 11-12          | <b>Bulk Density:</b>         | Not Available    |
| <b>Evap. Rate:</b>                    | Not Available  | <b>Auto-Ignition Temp:</b>   | Not Available    |
| <b>Molecular weight:</b>              | Not Available  | <b>UFL/LFL:</b>              | Not Available    |
| <b>Decomp Temp:</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>      | Contact with incompatible materials                                                            |
| <b>Materials to Avoid:</b>       | Strong Acids; Strong Bases; Strong Oxidizing Agents;                                           |
| <b>Hazardous Decomposition:</b>  | No hazardous decomposition products are 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) 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](http://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: 5/7/2019