

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **Furnace Cement**

Part Numbers

Covered: 01317 01335 045020 045103 045145 045170
 01318 01345 045023 045105 045155 312-1345
 01329 01345 045028 045106 045156
 01330 01352 045045 045110 045158
 01332 045005 045050 045125 045160
 01334 045015 045051 045140 045168

Product Use: Cement for repairing castings and voids on coal and wood burning
 furnaces and stoves.

Formula: See Section 3.

Synonyms: Fire brick mortar repair cement.

Firm Name & William H. Harvey Company

Mailing Address: 4334 South 67th Street
 Omaha, NE 68117-1019 <http://www.wmharvey.com>

Emergency Phone For chemical transportation emergencies ONLY, call CHEMTREC at
Numbers: (800)424-9300. Outside the U.S. (703)527-3887.

Information

Telephone Number: (800)228-9681

Prepared By: Technical Department

Contact: Information telephone number - (800) 228-9681

Preparation Date: September 14, 2011

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview:

Thick gray or black paste with a slight odor. May cause burns to the eye and skin. Inhalation of dust may cause respiratory irritation. Long term exposure to dust may cause silicosis or cancer. Swallowing may cause burns to the mouth or throat, vomiting and diarrhea. May be harmful if swallowed. Symptoms may be delayed.

Potential Health Effects:

Skin: Severe Irritation or burns, including redness, burning, rash
 and dryness.

Eyes: Severe irritation or burns, including redness burning, tearing,
 and blurred vision.

Inhalation: Inhalation of dust may cause respiratory irritation. Long term
 inhalation of dust may cause silicosis or cancer.

Ingestion: May cause irritation or burns to the mouth and throat, nausea,
 vomiting, cramps.

OSHA Hazard Classification: Corrosive, target organ effects

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS:</u>	<u>% wt/wt:</u>	<u>CAS NUMBER:</u>
Crystalline silica	60 - 80%	14808-60-7
Sodium silicate	10 - 30%	1344-09-8
Water	3 - 7%	7732-18-5
Aluminum silicate	3 - 7%	1318-74-7

SECTION 4 FIRST AID MEASURES

CALL TOLL FREE: 1-877-740-5015

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. Call a physician or poison control center if irritation persists.

Eyes: Remove contact lenses if any. Rinse eyes with water for 15 minutes. Get immediate medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Call a poison control center or physician immediately.

Ingestion: **NEVER** give anything by mouth if victim is unconscious. Have victim rinse mouth thoroughly with water. Have victim drink a small amount of water, 2 to 8 ounces. **DO NOT INDUCE VOMITING.** If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Immediately call the Poison Control Center at 1-877-740-5015.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Material will not burn.

Media:

Special Fire Fighting None.

Procedures:

Unusual Fire and Explosion None.

Hazards:

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Appropriate personal protective equipment cited in Section 8 should be worn during all clean-up operations.

SECTION 7 HANDLING AND STORAGE

Handling: Do not get in eyes. Do not get on skin or clothing. Do not take internally. Wash thoroughly after handling. Keep container closed when not in use. Handle with care. Keep out of reach of children.

Storage: Store in original, labeled container.

Other: Containers, even empty, will retain residue and may be harmful.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENTS:</u>	<u>CAS NUMBER:</u>	<u>ACGIH TLV TWA</u>	<u>OSHA PEL TWA</u>
Crystalline silica	14808-60-7	0.025 mg/m ³	10 mg/m ³ / (%SiO ₂ + 2)
Aluminum silicate	1318-74-7	2 mg/m ³ respirable fraction	5 mg/m ³ respirable fraction

SECTION 8 (continued)

Ventilation: Good general ventilation (equivalent to outdoors) should be adequate for normal use. For operations where the TLV may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.

Respiratory Protection: For operations where the TLV may be exceeded, a NIOSH approved particulate respirator or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Skin Protection: Wear rubber gloves. Launder soiled clothing before re-use.

Eye Protection: Safety glasses with sideshields or safety goggles.

Other: Eye wash and safety shower should be available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint / Method: Will not burn.

Flammability: LEL = Not applicable, UEL = Not applicable

Boiling Point: Not determined.

Melting Point: Not determined

Vapor Pressure: Not determined.

Vapor Density: (Air = 1) Greater than 1.

Volatile Components: Water.

Solubility In Water: Slight.

pH: Alkaline.

Specific Gravity: 2.0 @ 20 Degrees C.

Evaporation Rate: Not applicable.

Appearance: Thick Gray or Black Paste.

Odor: None.

Will Dissolve In: Not determined.

Material Is: Paste.

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable.

Conditions To Avoid: None.

Hazardous Decomposition Products: Material is stable to 3000°F.

Incompatibility/ Materials To Avoid: Material is alkaline. Avoid contact with acids.

Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Inhalation: Dust contains crystalline silica. Long term inhalation may cause silicosis or cancer.

Skin: Contact may cause irritation, ulcerations, burns or dermatitis. Symptoms may be delayed.

Eye: Contact may cause redness, pain, blurred vision and corneal damage. Symptoms may be delayed.

Ingestion: May cause irritation or burns to the mouth and throat, nausea, vomiting or diarrhea. Symptoms may be delayed.

Toxicity Data: No data available.

Sensitization: None of the components are known to cause sensitization.

Carcinogenicity: Crystalline silica is listed by IARC as a Group 1 carcinogen (carcinogenic to humans).
ACGIH lists crystalline silica as a suspect human carcinogen (A2).

Mutagenicity: None of the components have been found to be mutagenic.

Reproductive: None of the components are known to cause adverse reproductive effects.

Toxicity: effects.

Medical: None known.

Conditions

Aggravated By

Exposure:

SECTION 12 ECOLOGICAL INFORMATION

VOC Information: This product contains no VOC.
No other data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with federal, state, and local regulations. It is the responsibility of the end-user to determine at the time of disposal of the product.

EPA Hazardous Waste Number: None.

EPA Hazard Waste Class: None.

SECTION 14 TRANSPORT INFORMATION

DOT

Proper Shipping Name: Not regulated.

Hazard Class/Packing Group: None.

UN/NA Number: None.

Hazard Labels: None.

IMDG

Proper Shipping Name: None.

Hazard Class/Packing Group: None.

UN/NA Number: None.

Hazard Labels: None.

2004 North American Emergency Response Guidebook Number: None.

SECTION 15 REGULATORY INFORMATION

Hazard Category for Acute Health, Chronic Health

Section 311/312:

Section 302 Extremely Hazardous Substances (TPQ): This product does not contain chemicals regulated under SARA Section 302.

Section 313 Toxic Chemicals: This product does not contain chemicals regulated under SARA Section 313.

SECTION 15 (continued)
CERCLA 103 Reportable
Quantity:

This product does not contain chemicals regulated under CERCLA.

California Proposition
65:
TSCA Inventory:

This product contains crystalline silica which is known to the State of California to cause cancer. All of the components of this product are listed on the TSCA inventory.

Canadian WHMIS
Classification:

Class D, Division 2, Subdivision A, Class D, Division 2, Subdivision B
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16

OTHER INFORMATION

NFPA and HMIS:

NFPA Hazard
Signal

Health: 2

Flammability: 0

Reactivity: 0

Special: None

HMIS Hazard
Signal:

Health: 2*

Flammability: 0

Reactivity: 0

PPE: B

Disclaimer:

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