

## Hot Seat Furnace Cement

MSDS# HP-HS  
Date: May 2012

4 Total Pages

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:  
Hot Seat

Manufactured For: Diversitech  
6650 Sugarloaf Parkway, Duluth, GA 30097  
Phone: 800-995-2222 (Product Information)  
Phone: 800-255-3924 (CHEM-TEL, Chemical Emergencies Only)  
Revised: 05.31.2012  
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### 2. HAZARDS IDENTIFICATION

Route of Entry:  
SKIN CONTACT, EYE CONTACT

#### Emergency Overview

Product is gray and contact with skin causes irritation with possible burns. Eye damage can be severe if not removed promptly from eye.

#### Potential Health Effects

**EYE**-causes irritation and possible corrosive burns  
**SKIN** - causes skin irritation and possible corrosive burns  
**INGESTION** - very unlikely, but harmful get medical attention  
**INHALATION** - not likely with mixed product

### 3. COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	CAS No	OSHA PEL	ACGIH TLV.	% or RNG
Sodium hydroxide	01310-73-2	2 mg/m3	2 mg/m3	trade secret
Sodium silicate	01344-09-8	none established	none established	trade secret
Silica, (crystalline quartz) impurity*	14808-60-7	0.1 mg/m3 per %sio <sub>2</sub>	0.05 mg/m3 (respirable)	

\* the silica in this product is totally encapsulated and thus presents no inhalation danger to the user. Sodium hydroxide

### 4. FIRST-AID MEASURES

**Skin Contact** Wash off skin with large amount of soap and water  
**Eye Contact** Wash with warm water for 15 minutes and seek medical attention  
**Inhalation** Product is a paste and cannot be inhaled  
**Ingestion** Highly unlikely, but seek medical attention

### 5. FIREFIGHTING MEASURES

Flammable, If yes, under what conditions Non-flammable  
Means of Extinction N/A

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Flashpoint (°C) and Method N/A  
Auto ignition Temperature (°C) N/A  
Hazardous Combustion Products N/A

## 6. ACCIDENTAL RELEASE MEASURES

Leak And Spill Procedures  
Scoop up place in drum

## 7. HANDLING AND STORAGE

Handling Procedures and Equipment  
Material is a solid paste and can be handled in drums using drum lifters  
Minimize contact with skin while handling  
Storage Requirements  
Store in airtight containers at room temperature for best shelf life

## 8. EXPOSURE CONTROLS /PERSONAL PROTECTION

Exposure Limits  
X ACGIH TLV X OSHA PEL Other (Specify) 2MG/ML  
Specific Engineering Controls (Such as ventilation, enclosed process)  
None required  
Personal Protective Equipment  
X GLOVES RESPIRATOR X EYE X FOOTWEAR CLOTHING OTHER  
If checked, please specify type  
Gloves can be disposable latex or washable nitrile, rubber, or latex type  
Safety glasses or goggles are recommended  
Footwear should not be flip flops, sandals, or open toed

## 9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance: Thick gray mastic/grainy paste  
Odor: Almost no odor  
Odor threshold: N/A  
pH: 13  
Melting Point: N/A  
Boiling Point: N/A  
Flash Point (Method Used):  
Evaporation Rate (Ether = 1): N/A  
Flammability (Solid, gas): N/A  
Upper/lower flammability or explosive limits:  
Vapor pressure (mm Hg): N/A  
Vapor Density (Air=1): N/A  
Specific gravity (H<sub>2</sub>O = 1): 2.1  
Solubility in water: binder dissolves in water until cured  
Partition coefficient: No data for mixture  
Auto-ignition temperature: No data for mixture  
Decomposition temperature: No data for mixture

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## 10. STABILITY AND REACTIVITY

Chemical Stability If no, under which conditions?

X Yes No

Incompatibility with other substances If yes, which ones?

X Yes No Acids

Reactivity, and under what conditions?

Uncured product will react with acid to give off heat

Hazardous Decomposition Products

Silica will dissolve in hydrofluoric acid to yield silicon tetrafluoride, a corrosive gas

## 11. TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Acute hazards for eye and skin on contact irritations and burns will occur

Effects of Chronic Exposure

None known

Irritancy of Product

Product is irritating to several irritating to eye and skin over time

Skin Sensitization Respiratory Sensitization

No information available no information available

**Carcinogenicity-IARC** crystalline silica is listed as an IARC potential carcinogen. It's determined that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals and humans. These are chronic, slow developing diseases with symptoms usually delayed 10 years or more. **Carcinogenicity-ACGIH** no information available

**Reproductive toxicity** no information available

**Teratogenicity** no information available

**Embryotoxicity** no information available

**Mutagenicity** no information available

**Name of Synergistic Products/Effects** no information available

## 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Leaching of uncured product into waterways and lakes will be similar to sodium

Silicate and low levels of sodium hydroxide

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accord with all local, state, and federal regulations

## 14. TRANSPORT INFORMATION

Special Shipping Information

**TDG** Not regulated

**DOT** Not regulated

**IMO** Not regulated

**ICAO** Not regulated

## 15. REGULATORY INFORMATION

## Hot Seat Furnace Cement

### SARA

SECTION 302 RQ & TPQ Sodium hydroxide 1000 LB. RQ

### SARA

SECTION 313 Sodium hydroxide

CERCLA Sodium hydroxide 1000 lb. RQ

OSHA as listed on page 1

TSCA All ingredients on TSCA list

TSCA SIGNIFICANT NEW USE RULE No SNUR's

Clean Air Act Contains no hazardous air pollutants

Health & Safety Reporting List Not on list

CLEAN WATER ACT CHEMICAL TEST RULES Not under rules

SECTION 12b not listed

State Right To Know Lists

Not on any state list

European /International Regulations

Hazardous labeling in accordance with EC directives

Hazard Symbols Xi

Risk Phrases R 36/38

Safety Phrases S 24 S 26 S 28.

### 16. OTHER INFORMATION

HMIS Rating NFPA Rating

Health : 2 Health : 2

Flammability: 0 Flammability: 0

Reactivity : 0 Reactivity : 0

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