

## MATERIAL SAFETY DATA SHEET

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REVISION DATE: 09-22-2010

SUPERSEDES: 04-08-2010

### **SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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#### COMPANY INFORMATION

H.B. Fuller Construction Products Inc.  
1105 S. Frontenac Street  
Aurora, IL 60504  
Phone: 1-800-552-6225

Medical Emergency Phone Number (24 Hours): 1-888-853-1758  
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

#### PRODUCT INFORMATION

PRODUCT NUMBER: CHAPCO STANDARD SLU  
PRODUCT DESCRIPTION: Cement  
PRODUCT IDENTIFIER: 828281PM

### **SECTION 2: HAZARDS IDENTIFICATION**

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#### EMERGENCY OVERVIEW

PHYSICAL STATE: Solid  
COLOR: Gray  
ODOR: Odorless

Corrosive to eye tissue.  
Causes severe skin irritation.  
Corrosive to the respiratory tract.  
Harmful if swallowed.  
Cancer hazard.

#### POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

**EYE:** Can cause moderate irritation, tearing and reddening. Corrosive to eye tissue. Can cause severe irritation, tearing, and burns that can quickly lead to permanent injury including blindness.

**SKIN:** Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Contact causes severe skin irritation and possible burns.

**INHALATION:** Can be corrosive to the respiratory tract causing severe irritation and tissue damage. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Other possible symptoms include coughing or wheezing.

Nasal perforation is possible from a single large or repeated smaller inhalation overexposures.

Overexposure to crystalline silica may cause silicosis. Overexposure to iron oxide dust/fume may cause siderosis.

**INGESTION:** Ingestion is not an anticipated route of exposure. Harmful if swallowed. Corrosive to tissue. Can cause severe and permanent damage to mouth, throat, stomach. Aspiration may lead to lung damage.

#### LONG-TERM (CHRONIC) HEALTH EFFECTS

TARGET ORGAN(S): Lungs

#### REGULATED CARCINOGEN STATUS:

Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

Crystalline silica

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Lung disease

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

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Chemical Name	CAS #	PERCENT
Crystalline silica	14808-60-7	30 - 50
Alumina cement	65997-16-2	5 - 10
Aluminum oxide	1344-28-1	5 - 10
Calcium oxide, CaO	1305-78-8	5 - 10
Calcium carbonate	471-34-1	5 - 10
Iron oxide	1309-37-1	5 - 10
Calcium sulfate, hemihydrate	26499-65-0	1 - 5
Portland cement	65997-15-1	1 - 5
Sulfur trioxide	7446-11-9	1 - 5
Calcium sulfate	7778-18-9	1 - 5
Magnesium Oxide	1309-48-4	1 - 5

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

**SECTION 4: FIRST AID MEASURES**

**IF IN EYES:** Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. This corrosive material can cause immediate and permanent eye damage. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately.

**IF VAPORS INHALED:** Remove to fresh air. Restore breathing, if necessary. Keep warm and quiet. Get medical attention immediately.

**IF SWALLOWED:** Corrosive. Do not induce vomiting! Drink one glass of water followed by milk if available. Seek medical attention immediately. Do not give anything by mouth to an unconscious person.

**SECTION 5: FIRE FIGHTING MEASURES**

FLASH POINT:	Non flammable
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Material will not burn.
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, Carbon monoxide Aluminum oxide Sulfur containing gases

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**SPECIAL PROTECTION:** Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by

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**CLEAN-UP:** the spill including; the material spilled, the quantity of the spill, and the area in which the spill occurred. Never exceed any occupational exposure limits. Avoid creating dusts. Cover material with absorbent and moisten and collect for disposal.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

### SECTION 7: HANDLING AND STORAGE

**Handling:** Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Avoid breathing material.  
**Storage:** Store in a cool, dry place.

Consult the Technical Data Sheet for specific storage instructions.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**EYE PROTECTION:** Wear chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. Do not wear contact lenses. Have an eye wash station available.

**SKIN PROTECTION:** Prevent contact with this product. Wear chemically resistant gloves, long sleeved shirt, an apron, and other protective equipment depending on conditions of use.

**GLOVES:** Butyl rubber

**RESPIRATORY PROTECTION:** Respiratory protection will be required when ventilation or other engineering controls can not reduce the exposure to acceptable levels. NIOSH approved air purifying respirator with dust/mist filter. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

**VENTILATION:** Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

**EXPOSURE LIMITS:**

Chemical Name	ACGIH EXPOSURE LIMITS	OSHA PEL
Crystalline silica	0.025 mg/m <sup>3</sup> TWA respirable fraction	((250)/(%SiO <sub>2</sub> + 5) mppcf TWA (respirable)); ((10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA (respirable)); ((30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA (total dust))
Alumina cement	Not established	Not established
Aluminum oxide	Not established	15 mg/m <sup>3</sup> TWA total dust; 5 mg/m <sup>3</sup> TWA respirable fraction
Calcium oxide, CaO	2 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA
Calcium carbonate	Not established	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)

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Iron oxide	5 mg/m3 TWA respirable fraction	10 mg/m3 TWA (as fume)
Calcium sulfate, hemihydrate	Not established	15 mg/m3 TWA total dust; 5 mg/m3 TWA respirable fraction
Portland cement	10 mg/m3 TWA particulate matter containing no asbestos and <1% crystalline silica	15 mg/m3 TWA total dust; 5 mg/m3 TWA respirable fraction
Sulfur trioxide	Not established	Not established
Calcium sulfate	10 mg/m3 TWA inhalable fraction	15 mg/m3 TWA total dust; 5 mg/m3 TWA respirable fraction
Magnesium Oxide	10 mg/m3 TWA inhalable fraction	15 mg/m3 TWA (total particulate) (as fume)

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Solid  
 COLOR: Gray  
 ODOR: Odorless  
 ODOR THRESHOLD: Not established  
 WEIGHT PER GALLON (lbs.): 11.2  
 SPECIFIC GRAVITY: 1.34  
 SOLIDS (% by weight): 100.0  
 Not applicable  
 pH: Not established  
 FLASH POINT: Non flammable  
 BOILING POINT (deg. C): Not established  
 FREEZING/MELTING POINT (deg. C): Not established  
 VAPOR PRESSURE (mm Hg): Not established  
 VAPOR DENSITY: Not established  
 EVAPORATION RATE: Not established  
 OCTANOL/WATER COEFFICIENT: Not established  
 VOC, weight percent: Not determined

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions.  
 CHEMICAL INCOMPATIBILITY: Not established  
 HAZARDOUS POLYMERIZATION: Will not occur.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide Aluminum oxide  
 Sulfur containing gases

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### SECTION 11: TOXICOLOGICAL INFORMATION

COMPONENT	LD50/LC50
Crystalline silica	Not established
Alumina cement	Not established
Aluminum oxide	Not established
Calcium oxide, CaO	Not established
Calcium carbonate	Oral LD50 Rat = 6450 mg/kg
Iron oxide	Not established
Calcium sulfate, hemihydrate	Not established
Portland cement	Not established
Sulfur trioxide	Not established
Calcium sulfate	Not established
Magnesium Oxide	Not established

TOXICOLOGY SUMMARY: No additional health information available.

### SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

### SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirements.

### SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

DOT: NOT REGULATED

IATA: NOT REGULATED

### SECTION 15: REGULATORY INFORMATION

#### INVENTORY STATUS

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

CANADIAN CEPA DSL: The components of this product are included on the DSL or are exempt from

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DSL requirements.

EUROPEAN EINECS: As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.

If you need more information about the inventory status of this product call 651-236-5858.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at 651-236-5858 (USA) or 450-655-1306 x227 (Canada) to request an export review.

#### FEDERAL REPORTING

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
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WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

D2A D2B

#### STATE REPORTING

Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

Chemical Name/List	CAS	Percent
Quartz (Carcinogen)	14808-60-7	30 - 50
Acetaldehyde (Carcinogen)	75-07-0	< 10 ppm
Lead compounds (Carcinogen)		< 10 ppm
Cadmium compounds (Carcinogen)		< 10 ppm
Lithium carbonate (Developmental toxin)	554-13-2	0.01 - 0.1

#### SECTION 16: ADDITIONAL INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

HMIS RATING: HEALTH -- 3 FLAMMABILITY -- 0 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Prepared by: The Global Regulatory Department

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