

## MATERIAL SAFETY DATA SHEET

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REVISION DATE: 07-10-2009

SUPERSEDES: 04-14-2008

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

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#### COMPANY INFORMATION

H.B. Fuller Construction Products Inc.  
(formerly Specialty Construction Brands, Inc.  
An H.B. Fuller Company)  
1105 S. Frontenac Street  
Aurora, IL 60504  
Phone: 1-800-323-7407

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

#### PRODUCT INFORMATION

PRODUCT NUMBER: DSP 530 W  
PRODUCT DESCRIPTION: Cement  
PRODUCT IDENTIFIER: 826385PM

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

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#### EMERGENCY OVERVIEW

PHYSICAL STATE: Solid  
COLOR: White  
ODOR: Odorless

Severe eye irritant.  
Causes severe skin irritation.  
Moderate respiratory tract irritant.  
Harmful if swallowed.  
Cancer hazard.

#### POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

**EYE:** Can cause moderate irritation, tearing and reddening. Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excessive blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.

**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 cause moderate respiratory irritation. 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.  
Overexposure to crystalline silica may cause silicosis.

**INGESTION:** Ingestion is not an anticipated route of exposure. Harmful if swallowed. Severely irritating to mouth, throat, and stomach.

#### 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

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                | CAS #      | PERCENT |
|------------------------------|------------|---------|
| Crystalline silica           | 14808-60-7 | 50 - 70 |
| Aluminum salts (soluble)     | 12042-68-1 | 10 - 30 |
| Calcium carbonate            | 471-34-1   | 10 - 30 |
| Portland cement              | 65997-15-1 | 5 - 10  |
| Calcium sulfate, hemihydrate | 26499-65-0 | 1 - 5   |
| Calcium sulfate              | 7778-18-9  | 1 - 5   |
| Aluminum oxide               |            | 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. 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. Call a physician if symptoms persist.

**IF SWALLOWED:** Severely irritating. Do not induce vomiting. Seek medical attention immediately. Drink 2 glasses of water or milk to dilute. 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: | There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers. |
| 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 Sulfur containing gases<br>Aluminum oxide  |

### 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 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. |
| CLEAN-UP:           | Avoid creating dusts. Cover material with absorbent and moisten and collect for disposal.   |

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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 safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. 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 may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. 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:** Use local exhaust ventilation or other engineering controls to minimize exposures.

#### **EXPOSURE LIMITS:**

| <b>Chemical Name</b>         | <b>ACGIH EXPOSURE LIMITS</b>  | <b>OSHA PEL</b>  |
|------------------------------|---|--|
| Crystalline silica           | 0.025 mg/m <sup>3</sup> TWA (respirable fraction)   | ((250)/(%SiO <sub>2</sub> + 5) mppcf TWA (respirable));<br>((10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA (respirable));<br>((30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA (total dust)) |
| Aluminum salts (soluble)     | Not established   | Not established  |
| Calcium carbonate            | Not established   | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)   |
| Portland cement              | 10 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica) | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)   |
| Calcium sulfate, hemihydrate | Not established   | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)   |
| Calcium sulfate              | 10 mg/m <sup>3</sup> TWA (inhalable fraction)   | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA   |

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|                |                 |  |
|----------------|-----------------|--|
|                |                 | (respirable fraction)  |
| Aluminum oxide | Not established | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction) |

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                  |                 |
|----------------------------------|-----------------|
| PHYSICAL STATE:                  | Solid           |
| COLOR:                           | White           |
| ODOR:                            | Odorless        |
| ODOR THRESHOLD:                  | Not established |
| WEIGHT PER GALLON (lbs.):        | 11.2            |
| SPECIFIC GRAVITY:                | 1.34            |
| SOLIDS (% by weight):            | 100.0           |
| pH:                              | Not applicable  |
| FLASH POINT:                     | Not established |
| BOILING POINT (deg. C):          | Non flammable   |
| 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 Sulfur containing gases Aluminum oxide |

### SECTION 11: TOXICOLOGICAL INFORMATION

| COMPONENT                    | LD50/LC50                  |
|------------------------------|----------------------------|
| Crystalline silica           | Not established            |
| Aluminum salts (soluble)     | Not established            |
| Calcium carbonate            | Oral LD50 Rat = 6450 mg/kg |
| Portland cement              | Not established            |
| Calcium sulfate, hemihydrate | Not established            |
| Calcium sulfate              | Not established            |

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|                |                 |
|----------------|-----------------|
|                |                 |
| Aluminum 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 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# | % |
|---------------|------|---|
|---------------|------|---|

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 | 50 - 70      |
| Nickel (Carcinogen)       |            | 0.01 - 0.1   |
| Formaldehyde (Carcinogen) | 50-00-0    | 0.001 - 0.01 |

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|  |          |              |
|--|----------|--------------|
| Acetaldehyde (Carcinogen)                  | 75-07-0  | 0.001 - 0.01 |
| Lead compounds (Carcinogen)                |          | < 10 ppm     |
| Arsenic compounds (inorganic) (Carcinogen) |          | < 10 ppm     |
| Lithium carbonate (Developmental toxin)    | 554-13-2 | 0.01 - 0.1   |

### SECTION 16: ADDITIONAL INFORMATION

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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

Phone: 651-236-5842

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