

## MATERIAL SAFETY DATA SHEET

REVISION DATE: 12-12-2007

SUPERSEDES: 07-24-2007

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### COMPANY INFORMATION

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 IDENTIFIER: 805024PM  
PRODUCT NUMBER: TA0345  
PRODUCT NAME: STURDI FLEX GREY THINSET  
PRODUCT DESCRIPTION: Cement

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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 any additional exposure limit guidelines.

Chemical Name	CAS #	PERCENT	OSHA PEL
Crystalline silica	14808-60-7	50 - 70	TWA (Respirable dust) 0.1MG/M3
Portland cement	65997-15-1	10 - 30	TWA (Total dust) 10MG/M3 TWA (Respirable dust) 5MG/M3
Calcium carbonate	471-34-1	1 - 5	TWA (Total dust) 15MG/M3 TWA (Respirable dust) 5MG/M3
Aluminum oxide	1344-28-1	1 - 5	TWA (as Al) (Total dust) 10MG/M3 TWA (as Al) (Respirable dust) 5MG/M3
Calcium sulfate	7778-18-9	1 - 5	TWA (Total dust) 15MG/M3 TWA (Respirable dust) 5MG/M3
Gypsum	13397-24-5	1 - 5	TWA (Total dust) 15MG/M3 TWA (Respirable dust) 5MG/M3
Calcium oxide, CaO	1305-78-8	1 - 5	TWA 5MG/M3

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Iron oxide	1309-37-1	1 - 5	TWA Fume 10MG/M3
Magnesium Oxide	1309-48-4	1 - 5	TWA (Total dust) 10MG/M3

### SECTION 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Corrosive to eye tissue.

Causes skin burns.

Moderate respiratory tract irritant.

Harmful if swallowed.

Cancer hazard.

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

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

#### POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

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

**SKIN:** Corrosive to skin tissue. Can cause chemical 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.

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.

Inhalation of high concentrations may result in central nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination.

**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 Heart

#### 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 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 under a drench shower. 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.

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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

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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 Aluminum oxide Sulfur containing gases

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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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.

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

### SECTION 7: HANDLING AND STORAGE

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Handling:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Avoid breathing material. This product contains an ingredient that may release formaldehyde at heated cure temperatures.
Storage:	Store in a cool, dry place.

Consult the Technical Data Sheet for specific storage instructions.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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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 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).

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**VENTILATION:** Use local exhaust ventilation or other engineering controls to minimize exposures.

**EXPOSURE LIMITS:**

Chemical Name	ACGIH EXPOSURE LIMITS	AIHA WEEL
Crystalline silica	TWA (Respirable dust) 0.025MG/M3	Not established
Portland cement	TWA (Total dust) 10MG/M3	Not established
Calcium carbonate	TWA 10MG/M3	Not established
Aluminum oxide	TWA (Total dust) 10MG/M3	Not established
Calcium sulfate	TWA (Total dust) 10MG/M3	Not established
Gypsum	TWA (Total dust) 10MG/M3	Not established
Calcium oxide, CaO	TWA 2MG/M3	Not established
Iron oxide	TWA (as Fe) Dust 5MG/M3	Not established
Magnesium Oxide	TWA 10MG/M3	Not established

**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
pH:	Not applicable
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

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### 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

### SECTION 11: TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50/LC50
Crystalline silica	Not established
Portland cement	Not established
Calcium carbonate	Oral LD50 Rat = 6450mg/kg
Aluminum oxide	Not established
Calcium sulfate	Not established
Gypsum	Not established
Calcium oxide, CaO	Not established
Iron oxide	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

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### 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: This product is in compliance with the Canadian Domestic Substance List requirements.
- EUROPEAN EINECS: This product is in compliance with the European Inventory of Notified and Existing Chemical Substances requirements.
- AUSTRALIA AICS: This product is in compliance with the Australian Inventory of Chemical Substances requirements.
- KOREAN TCCL: This product is in compliance with the Korean Existing Chemicals List requirements.

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#	%
Aluminum oxide	1344-28-1	1 - 5

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

D2A D2B

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#### 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
Acetaldehyde (Carcinogen)	75-07-0	0.001 - 0.01
Nickel (Carcinogen)		< 10 ppm
Lead compounds (Carcinogen)		< 10 ppm
Cadmium compounds (Carcinogen)		< 10 ppm

### 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).

Prepared by: The Global Regulatory Department

Phone: 651-236-5842

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Specialty Construction Brands, Inc. from its suppliers, and because

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