

**MATERIAL SAFETY DATA SHEET**

REVISION DATE: 05-16-2012

SUPERSEDES: 10-05-2009

**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****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: FOSTER 81-27  
PRODUCT NAME: FOSTER 81-27  
PRODUCT DESCRIPTION: Adhesive  
PRODUCT IDENTIFIER: 802388PM

**SECTION 2: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

PHYSICAL STATE: Liquid  
COLOR: Beige  
ODOR: Earthy

Corrosive to eye tissue.  
Causes severe skin irritation.  
Severe respiratory tract irritant.  
Harmful if swallowed.

**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:** Contact causes severe skin irritation and possible burns.

**INHALATION:** Can cause severe respiratory irritation, nausea, and headache. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

**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.

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Lung disease

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

Chemical Name	CAS #	PERCENT
Sodium silicate	1344-09-8	30 - 50

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Kaolin clay	1332-58-7	10 - 30
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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. Call a physician.

**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. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

### SECTION 5: FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	Non flammable
<b>AUTOIGNITION TEMPERATURE:</b>	Not established
<b>LOWER EXPLOSIVE LIMIT (% in air):</b>	Not established
<b>UPPER EXPLOSIVE LIMIT (% in air):</b>	Not established
<b>EXTINGUISHING MEDIA:</b>	Use water spray, foam, dry chemical or carbon dioxide.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.
<b>SPECIAL FIRE FIGHTING INSTRUCTIONS:</b>	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Carbon dioxide, Carbon monoxide

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>SPECIAL PROTECTION:</b>	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.
<b>CLEAN-UP:</b>	Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems. Contain spill, dilute if necessary and neutralize. Remove with inert absorbent.

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. Aluminum is not an acceptable material of construction for pumps, mixers, fittings or storage for this product.

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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 if product is sprayed. 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
Sodium silicate	Not established	Not established
Kaolin clay	2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	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:** Liquid

**COLOR:** Beige

**ODOR:** Earthy

**ODOR THRESHOLD:** Not established

**WEIGHT PER GALLON (lbs.):** 13.60

**SPECIFIC GRAVITY:** 1.660

**SOLIDS (% by weight):** 62.0

**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:** 0.00

**VOC, EPA Method 24, less water and exempt solvents (theoretically determined):** 0g/liter of material

**MATERIAL SAFETY DATA SHEET****SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions.  
CHEMICAL INCOMPATIBILITY: Aluminum alloys  
HAZARDOUS POLYMERIZATION: Will not occur.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

COMPONENT	LD50/LC50
Sodium silicate	Oral LD50 Rat = 1 g/kg
Kaolin clay	Not established

TOXICOLOGY SUMMARY: No additional health information available.

**SECTION 12: ECOLOGICAL INFORMATION**

OVERVIEW: No ecological information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is corrosive waste class D002. We recommend the required corrosivity testing on product to determine the appropriate waste category. Disposal via incineration is recommended. Consult your state, local, or provincial authorities 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.  
AUSTRALIA AICS: This product is in compliance with the Australian Inventory of Chemical Substances requirements.  
JAPAN ENCS: This product is in compliance with the Japanese Existing and New Chemical Substances requirements.  
KOREAN TCCL: This product is in compliance with the Korean Existing Chemicals List requirements.  
PHILIPPINES: This product is in compliance with the Philippine Inventory of Chemicals and Chemical Substances 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

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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.

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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	0.01 - 0.1
Nickel (metallic)	(Carcinogen)	7440-02-0	< 10 ppm
Lead	(Carcinogen)	7439-92-1	< 10 ppm
Lead	(Developmental toxin)	7439-92-1	< 10 ppm
Lead	(Female reproductive toxin)	7439-92-1	< 10 ppm
Lead	(Male reproductive toxin)	7439-92-1	< 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).

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

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to H.B.Fuller Construction Products, Inc. from its suppliers, and because H.B.Fuller Construction Products, Inc. has no control over the conditions of handling and use, H.B.Fuller Construction Products, Inc. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and H.B.Fuller Construction Products, Inc. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B.Fuller Construction Products, Inc. products to comply with all applicable federal, state and local laws and regulations.