

**MATERIAL SAFETY DATA SHEET**

REVISION DATE: 03-25-2013

SUPERSEDES: 09-25-2012

**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 95-50  
PRODUCT NAME: FOSTER 95-50  
PRODUCT DESCRIPTION: Sealant  
PRODUCT IDENTIFIER: 802438PM

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

PHYSICAL STATE: Solid  
COLOR: Off-white  
ODOR: Solvent

Combustible

Can cause eye irritation.

Can cause skin irritation.

Moderate respiratory tract irritant.

Cancer hazard.

**POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY**

EYE: Can cause irritation.

SKIN: Can cause skin irritation.

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.

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

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. No hazard in normal industrial use.

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

REPRODUCTIVE: Contains a substance that is a probable reproductive hazard based on human studies.

TARGET ORGAN(S): Lungs Blood Central nervous system Kidneys Liver Heart

**REGULATED CARCINOGEN STATUS:**

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

Crystalline silica

Titanium dioxide

Cristobalite

Cobalt compound

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EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Lung disease; Blood disorders (like anemia); Kidney disease; Liver disease

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

Chemical Name	CAS #	PERCENT
Calcium carbonate	471-34-1	10 - 30
Kaolin clay	1332-58-7	10 - 30
Oil, petroleum	64742-53-6	10 - 30
Diatomaceous earth	61790-53-2	1 - 5
Trimethylbenzene, 1,2,4-	95-63-6	1 - 5
Aromatic petroleum distillate	64742-95-6	1 - 5
Stoddard solvent	8052-41-3	1 - 5
Aliphatic petroleum distillate	64742-47-8	1 - 5
Crystalline silica	14808-60-7	1 - 5
Ethylene glycol	107-21-1	0.1 - 1
Titanium dioxide	13463-67-7	0.1 - 1
Cristobalite	14464-46-1	0.1 - 1
Xylene	1330-20-7	0.1 - 1
Cumene	98-82-8	0.1 - 1
Cobalt bis(2-ethylhexanoate)	136-52-7	0.1 - 1

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:** Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

**IF ON SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**IF VAPORS INHALED:** Remove to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.

**IF SWALLOWED:** Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

**SECTION 5: FIRE FIGHTING MEASURES**

FLASH POINT:	63C; 145F TCC
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.

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UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and can travel to a source of ignition and flash back.

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

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

SPECIAL PROTECTION: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

CLEAN-UP: Scrape up and place in disposal container.  
 Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

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

### **SECTION 7: HANDLING AND STORAGE**

Handling: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area.  
 Keep away from heat, sparks and flame.  
 Wash thoroughly after handling.  
 Keep container closed.  
 Emptied container retains vapor and product residue.  
 Observe all labeled precautions until container is cleaned.  
 Drums of this material should be grounded when pouring.  
**DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.**

Storage: Store in a cool, dry, ventilated location. Keep away from heat and flame. Keep container closed.

Consult the Technical Data Sheet for specific storage instructions.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

EYE PROTECTION: Wear safety glasses when handling this product.

SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves. Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TLV is not invalidated.

GLOVES: Nitrile

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. 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:

Chemical Name	ACGIH EXPOSURE LIMITS	OSHA PEL

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Calcium carbonate	Not established	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
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)
Oil, petroleum	Not established	5 mg/m <sup>3</sup> TWA (as mist)
Diatomaceous earth	Not established	20 mppcf TWA; ((80)/(%) SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA)
Trimethylbenzene, 1,2,4-	Not established	Not established
Aromatic petroleum distillate	Not established	Not established
Stoddard solvent	100 ppm TWA	500 ppm TWA; 2900 mg/m <sup>3</sup> TWA
Aliphatic petroleum distillate	Not established	Not established
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)
Ethylene glycol	Not established 100 mg/m <sup>3</sup> Ceiling (aerosol only)	Not established
Titanium dioxide	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA (total dust)
Cristobalite	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	Not established
Xylene	100 ppm TWA 150 ppm STEL	100 ppm TWA; 435 mg/m <sup>3</sup> TWA
Cumene	50 ppm TWA	50 ppm TWA; 245 mg/m <sup>3</sup> TWA Skin absorption may potentially contribute to the overall exposure to this material.
Cobalt bis(2-ethylhexanoate)	Not established	Not established

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE:	Solid
COLOR:	Off-white
ODOR:	Solvent
ODOR THRESHOLD:	Not established
WEIGHT PER GALLON (lbs.):	11.90
SPECIFIC GRAVITY:	1.430
SOLIDS (% by weight):	75.9
pH:	Not applicable
FLASH POINT:	Not established
BOILING POINT (deg. C):	63C; 145F TCC
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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VOC, weight percent 26.70  
 VOC, EPA Method 24, less water and exempt solvents 380g/liter of material  
 (theoretically determined)

### SECTION 10: STABILITY AND REACTIVITY

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

### SECTION 11: TOXICOLOGICAL INFORMATION

COMPONENT	LD50/LC50
Calcium carbonate	Oral LD50 Rat = 6,450 mg/kg
Kaolin clay	Not established
Oil, petroleum	Not established
Diatomaceous earth	Not established
Trimethylbenzene, 1,2,4-	Oral LD50 Rat = 5 g/kg Inhalation LC50 Rat = 18,000.00 mg/cu m/4H
Aromatic petroleum distillate	Oral LD50 Rat = 8,400 mg/kg
Stoddard solvent	Not established
Aliphatic petroleum distillate	Not established
Crystalline silica	Not established
Ethylene glycol	Oral LD50 Rat = 4,700 mg/kg Dermal LD50 Rabbit = 10 ml/kg
Titanium dioxide	Not established
Cristobalite	Not established
Xylene	Oral LD50 Rat = 4,300 mg/kg Inhalation LC50 Rat = 5,000.00 ppm/4H Dermal LD50 Rat = 1,700 mg/kg
Cumene	Oral LD50 Rat = 1,400 mg/kg Inhalation LC50 Mouse = 17,500.00 mg/cu m/4H Dermal LD50 Rabbit = 12 ml/kg
Cobalt bis(2-ethylhexanoate)	Not established

TOXICOLOGY SUMMARY: No additional health information available.

### SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available for this product.

### 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. Disposal via incineration at an approved facility is recommended. Consult state, local or provincial authorities for more restrictive requirements.

LAND DISPOSAL RESTRICTIONS: Xylenes (o-, m-, p- isomers)

### SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

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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.

**KOREAN TCCL:** This product is in compliance with the Korean Existing Chemicals List requirements.

**CHINA:** This product is in compliance with the Inventory of Existing Chemical Substances in China (IECSC) 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#	%
1,2,4-Trimethylbenzene	95-63-6	1 - 5
Ethylene glycol	107-21-1	0.1 - 1
Xylene (mixed isomers)	1330-20-7	0.1 - 1
Cumene	98-82-8	0.1 - 1
Cobalt compounds	136-52-7	0.1 - 1

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

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D2B D2A

#### 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	1 - 5
Titanium dioxide (Carcinogen)	13463-67-7	0.1 - 1
Cumene (Carcinogen)	98-82-8	0.1 - 1
ethylbenzene (Carcinogen)	100-41-4	0.01 - 0.1
Benzene (Carcinogen)	71-43-2	< 10 ppm
Benzene (Developmental toxin)	71-43-2	< 10 ppm
Toluene (Developmental toxin)	108-88-3	< 10 ppm
Benzene, methyl- (Female reproductive toxin)	108-88-3	< 10 ppm
Benzene (Male reproductive toxin)	71-43-2	< 10 ppm

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### **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 -- 2 FLAMMABILITY -- 2 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.