

SAFETY DATA SHEET

REVISION DATE: 03-27-2017

SUPERSEDES: 05-07-2015

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER**PRODUCT INFORMATION**

PRODUCT: FOSTER 32-16
PRODUCT DESCRIPTION: Sealant
INTENDED USE: Sealant
PRODUCT IDENTIFIER: 837144PM

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

SECTION 2: HAZARDS IDENTIFICATION**GHS Hazard Symbols:**

GHS Signal Word: Danger
GHS Classification: Reproductive Toxicity Category 1B; Hazardous to the aquatic environment - Acute Category 1; Hazardous to the aquatic environment - Chronic Category 2
GHS Hazard Phrases: May damage fertility or the unborn child.; Very toxic to aquatic life.; Toxic to aquatic life with long lasting effects.
GHS Precautions:
Safety Precautions: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
First Aid Measures: IF exposed or concerned: Get medical advice/attention. Collect spillage.
Storage: Store locked up.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS # | PERCENT | Classification | Note |
|--------------------|------------|---------|--------------------------------------|---------------|
| Crystalline silica | 14808-60-7 | 0.1 - 1 | Carc. 1A; H350 STOT RE 1; H372 | * (see below) |
| Boric acid | 10043-35-3 | 0.1 - 1 | Acute Tox. 4; H332 Repr. 1B; H360 | |

*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. This product contains crystalline silica. As provided, and during normal use of this product, the crystalline silica is

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encapsulated within the product. As such, it is considered to be inextricably bound, and not readily available for exposure. Use of this product would not subject the user to the compliance requirements of 29CFR1910.1053 or 1926.1153.

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. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

IF INHALED: Remove to fresh air. 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. 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

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| 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 Chlorine containing gases |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| 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. |
| METHODS FOR CLEAN-UP: | Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems. |

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

SECTION 7: HANDLING AND STORAGE

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| Handling: | Avoid contacting and avoid breathing the material. Use only in a well ventilated area. |
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| Storage: | Store in a cool, dry place. Protect from freezing. Consult the Technical Data Sheet for specific storage instructions. |
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

| Chemical Name | Note | ACGIH EXPOSURE LIMITS | OSHA PEL |
|--------------------|---------------|---|--|
| Calcium carbonate | * (see below) | No data available. | 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) |
| Kaolin clay | * (see below) | 2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction) | 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) |
| Cellulose | * (see below) | 10 mg/m ³ TWA | 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) |
| Crystalline silica | * (see below) | 0.025 mg/m ³ TWA (respirable fraction) | ((250)/(%SiO ₂ + 5) mppcf TWA (respirable)); ((10)/(%SiO ₂ + 2) mg/m ³ TWA (respirable)); ((30)/(%SiO ₂ + 2) mg/m ³ TWA (total dust)) |
| Boric acid | | 2 mg/m ³ TWA (inhalable fraction, listed under Borate compounds, inorganic) 6 mg/m ³ STEL (inhalable fraction, listed under Borate compounds, inorganic) | Not established |

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ENGINEERING CONTROL METHODS:

- VENTILATION: General room ventilation might be required under normal conditions of use.
- EYE PROTECTION: Wear safety glasses when handling this product.
- SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.
- GLOVES: Nitrile
- RESPIRATORY PROTECTION: No respiratory protection required under normal conditions of use. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| PHYSICAL STATE: | Liquid |
| COLOR: | Gray |
| ODOR: | Sweet Mild |
| ODOR THRESHOLD: | Not established |
| pH: | Not established |
| FREEZING/MELTING POINT (deg. C): | Not established |
| BOILING POINT (deg. C): | Not established |
| FLASH POINT: | Non flammable |
| EVAPORATION RATE: | Not established |
| FLAMMABILITY: | Not a flammable solid or gas |
| UPPER EXPLOSIVE LIMIT (% in air): | Not established |

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| LOWER EXPLOSIVE LIMIT (% in air): | Not established |
| VAPOR PRESSURE (mm Hg): | Not established |
| VAPOR DENSITY: | Not established |
| WEIGHT PER GALLON (lbs.): | 11.60 |
| SPECIFIC GRAVITY: | 1.440 |
| SOLUBILITY: | Not established |
| OCTANOL/WATER COEFFICIENT: | Not established |
| AUTOIGNITION TEMPERATURE: | Not established |
| DECOMPOSITION TEMPERATURE: | Not established |
| VISCOSITY: | No data available. |
| SOLIDS (% by weight): | 69.0 |
| VOC, weight percent | 1.80 |
| VOC, U.S. EPA Method 24, less water and exempt solvents (theoretically determined) | 40g/liter of material |

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Component Toxicity / Toxicology Data:

| COMPONENT NAME | LD50/LC50 |
|----------------------|--------------------------------------|
| Chlorinated paraffin | Oral LD50 Rat > 21,500 microliter/kg |
| Chlorinated paraffin | Oral LD50 Rat > 21,500 microliter/kg |
| Cellulose | Oral LD50 Rat > 5 g/kg |

This product is a mixture. Unless noted, the information below is based on components.

Skin corrosion / irritation: No irritation hazard in normal industrial use.

Serious eye damage / irritation :No irritation hazard in normal industrial use.

Respiratory / skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: Contains a material that may cause cancer.

Reproductive toxicity: Contains a substance that is a possible reproductive hazard based on animal studies.

Specific target organ toxicity-single exposure: No data available.

Respiratory irritation / Narcotic effects: No data available.

Specific target organ toxicity-repeated exposure: No data available.

Target organs potentially affected by exposure: Kidneys Liver Lungs Reproductive system

Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: Liver disease, Kidney disease, Lung disease

SAFETY DATA SHEET**SECTION 12: ECOLOGICAL INFORMATION**

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| OVERVIEW: | No ecological information available for this product. |
| MOBILITY: | No data available. |
| PERSISTENCE: | No data available. |
| BIOACCUMULATION: | No data available. |

This product has not been tested for ecological effects. Relevant information for components is listed below:

| Component: | Ecotoxicity values: |
|----------------------|---|
| Chlorinated paraffin | Acute Toxicity (Fish): 96 Hr LC50 Oncorhynchus mykiss: >0.0109 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 94.5 - 271 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >0.1 mg/L [flow-through] Acute Toxicity (Daphnia): Not established Acute Toxicity (Algae): Not established |
| Chlorinated paraffin | Acute Toxicity (Fish): 96 Hr LC50 Oncorhynchus mykiss: >0.0109 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 94.5 - 271 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >0.1 mg/L [flow-through] Acute Toxicity (Daphnia): Not established Acute Toxicity (Algae): Not established |

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. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.

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| US DOT: | NOT REGULATED |
| IATA: | UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (C14-C17 CHLORINATED PARAFFINS), 9, PGIII, MARINE POLLUTANT (PACKAGES <5 L NOT REGULATED, IATA 4.4, SP A197). |
| IMDG: | UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (C14-C17 CHLORINATED PARAFFINS), 9, III, MARINE POLLUTANT (PACKAGES <5 L NOT REGULATED, IMDG 3.3 SP 969). |

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 contains one or more components which have not been determined to be on the DSL. If you are the importer of this product into Canada, contact H.B. Fuller for chemical tracking and notification information. |
| EUROPEAN REACH: | 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 contains a component that is not on the Australian Inventory (AICS). |

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

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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 reg.request@hbfuller.com to request an export review.

FEDERAL REPORTING

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

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 | 0.1 - 1 |
| Titanium dioxide (Carcinogen) | 13463-67-7 | 0.1 - 1 |
| Carbon black (Carcinogen) | 1333-86-4 | 0.1 - 1 |
| Methyl isobutyl ketone (Carcinogen) | 108-10-1 | 0.1 - 1 |
| Diethanolamine (Carcinogen) | 111-42-2 | 0.001 - 0.01 |
| Acetaldehyde (Carcinogen) | 75-07-0 | 0.001 - 0.01 |
| Formaldehyde (Carcinogen) | 50-00-0 | 0.001 - 0.01 |
| Ethyl acrylate (Carcinogen) | 140-88-5 | < 10 ppm |
| 1,4-Dioxane (Carcinogen) | 123-91-1 | < 10 ppm |
| Ethylene glycol (Developmental toxin) | 107-21-1 | 0.1 - 1 |
| Methanol (Developmental toxin) | 67-56-1 | 0.1 - 1 |
| Methyl isobutyl ketone (Developmental toxin) | 108-10-1 | 0.1 - 1 |

Substances of Very High Concern (SVHC) Content:

Unless listed below, this product does not contain SVHC's at 0.1% or greater, as of the version date of this SDS.

tert-Octylphenol, ethoxylated

Boric acid

Boric acid

SECTION 16: OTHER INFORMATION

SDS VERSION DATE: 03-27-2017

This 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 -- 0 REACTIVITY -- 0

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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.