

**SAFETY DATA SHEET**

REVISION DATE: 05-01-2017

SUPERSEDES: 08-03-2016

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

PRODUCT: FOSTER 32-14  
PRODUCT DESCRIPTION: Sealant  
INTENDED USE: Sealant  
PRODUCT IDENTIFIER: 802278PM

**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:** Skin Sensitisation Category 1; Carcinogenicity Category 1B; Flammable Liquid Category 2; Skin Corrosion/Irritation Category 2; Reproductive Toxicity Category 2; Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2; Hazardous to the aquatic environment - Acute Category 2; Hazardous to the aquatic environment - Chronic Category 2; Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

**GHS Hazard Phrases:** Highly flammable liquid and vapour.; Causes skin irritation.; May cause an allergic skin reaction.; May cause respiratory irritation.; May cause drowsiness or dizziness.; May cause cancer.; Suspected of damaging fertility or the unborn child.; May cause damage to organs through prolonged or repeated exposure.; 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. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**First Aid Measures:** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. P362+P364 - Take off

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	contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. In case of fire: Use water spray, foam, dry chemical or carbon dioxide to extinguish. Collect spillage.
<b>Storage:</b>	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
<b>Disposal:</b>	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
Hexane, n	110-54-3	10 - 30	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Flam. Liq. 2; H225 Repr. 2; H361 Skin Irrit. 2; H315 STOT RE 2; H373 STOT SE 3; H335, H336	
Kaolin clay	1332-58-7	10 - 30		* (see below)
Aliphatic petroleum distillate	68410-97-9	5 - 10	Asp. Tox. 1; H304	Note P
Toluene	108-88-3	1 - 5	Asp. Tox. 1; H304 Acute Tox. 4; H302 Flam. Liq. 2; H225 Repr. 2; H361 Skin Irrit. 2; H315 STOT RE 2; H373 STOT SE 3; H335, H336	
Mineral oil	64741-88-4	1 - 5	Acute Tox. 4; H332 Carc. 1B; H350	
Titanium dioxide (Rutile)	1317-80-2	1 - 5	Carc. 2; H351	* (see below)
Calcium carbonate	471-34-1	1 - 5		* (see below)
Crystalline silica	14808-60-7	0.1 - 1	Carc. 1A; H350 STOT RE 1; H372	* (see below)
Titanium dioxide	13463-67-7	0.1 - 1	Carc. 2; H351	* (see below)
Cristobalite	14464-46-1	0.1 - 1	Acute Tox. 4; H332 Carc. 2; H351 STOT RE 1; H372	* (see below)

\*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 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. This product contains titanium dioxide, which is hazardous when present as an airborne dust. As provided, and during normal use of this product, this substance is encapsulated within the product. As such, it is considered to be inextricably bound, and not readily available for exposure.

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

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**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. Restore breathing, if necessary. Call a physician if symptoms persist.

**IF SWALLOWED:** Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. 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**

**EXTINGUISHING MEDIA:** Use water spray, foam, dry chemical or carbon dioxide.

**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.

**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.  
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:** 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, sparks, flame and other sources of ignition. Keep container closed.

Consult the Technical Data Sheet for specific storage instructions.

**SAFETY DATA SHEET****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****EXPOSURE LIMITS:**

Chemical Name	Note	ACGIH EXPOSURE LIMITS	OSHA PEL
Hexane, n		50 ppm TWA Skin absorption may potentially contribute to the overall exposure to this material.	500 ppm TWA; 1800 mg/m <sup>3</sup> TWA
Kaolin clay	* (see below)	2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter)	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
Toluene		20 ppm TWA	200 ppm TWA 300 ppm Ceiling
Mineral oil		No data available.	5 mg/m <sup>3</sup> TWA (as mist)
Titanium dioxide (Rutile)	* (see below)	No data available.	15 mg/m <sup>3</sup> TWA (total dust)
Calcium carbonate	* (see below)	No data available.	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
Crystalline silica	* (see below)	0.025 mg/m <sup>3</sup> TWA (respirable particulate matter)	((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))
Titanium dioxide	* (see below)	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA (total dust)
Cristobalite	* (see below)	0.025 mg/m <sup>3</sup> TWA (respirable particulate matter)	50 µg/m <sup>3</sup> TWA (listed under Respirable crystalline silica)

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**ENGINEERING CONTROL METHODS:**

- VENTILATION:** Use local exhaust ventilation or other engineering controls to minimize exposures.
- 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. 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. NIOSH approved air purifying respirator with organic vapor cartridge. Respirators should be selected by and used following requirements

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 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:	Solvent
ODOR THRESHOLD:	Not established
pH:	Not established
FREEZING/MELTING POINT (deg. C):	Not established
BOILING POINT (deg. C):	Not established
FLASH POINT:	-7°C; 19°F Pinsky-Martens
EVAPORATION RATE:	Not established
FLAMMABILITY:	Not a flammable solid or gas
UPPER EXPLOSIVE LIMIT (% in air):	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
WEIGHT PER GALLON (lbs.):	9.15
SPECIFIC GRAVITY:	1.100
SOLUBILITY:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
AUTOIGNITION TEMPERATURE:	Not established
DECOMPOSITION TEMPERATURE:	Not established
VISCOSITY:	No data available.
SOLIDS (% by weight):	65.0
VOC, weight percent	Not determined
VOC, U.S. EPA Method 24, less water and exempt solvents (theoretically determined)	398g/liter of material

**SECTION 10: STABILITY AND REACTIVITY**


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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 Toxicity / Toxicology Data:**

COMPONENT NAME	LD50/LC50
Hexane, n	Dermal LD50 Rabbit 3,000.00 mg/kg
Aliphatic petroleum distillate	Oral LD50 Rat 5,170 mg/kg
Toluene	Oral LD50 Rat 636 mg/kg Inhalation LC50 Rat 12.50 mg/l
Mineral oil	Inhalation LC50 Rat 2.18 mg/l

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

Skin corrosion / irritation: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

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

Respiratory / skin sensitization: May cause an allergic skin reaction.

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: May cause damage to organs through prolonged or repeated exposure.

Target organs potentially affected by exposure: Central nervous system Peripheral nervous system Lungs Kidneys Liver Reproductive system Skin

Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: Lung disease, Liver disease, Kidney disease, Skin disease including eczema and sensitization

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**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:
Hexane, n	<b>Acute Toxicity (Fish):</b> 96 Hr LC50 Pimephales promelas: 2.1 - 2.98 mg/L [flow-through] <b>Acute Toxicity (Daphnia):</b> Not established <b>Acute Toxicity (Algae):</b> Not established
Toluene	<b>Acute Toxicity (Fish):</b> 96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old); 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static] <b>Acute Toxicity (Daphnia):</b> 48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L <b>Acute Toxicity (Algae):</b> 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]
Mineral oil	<b>Acute Toxicity (Fish):</b> Not established <b>Acute Toxicity (Daphnia):</b> 48 Hr EC50 Daphnia magna: >1000 mg/L <b>Acute Toxicity (Algae):</b> Not established

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**SECTION 13: DISPOSAL CONSIDERATIONS**


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This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements.

LAND DISPOSAL RESTRICTIONS: Toluene

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**SECTION 14: TRANSPORT INFORMATION**


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Consult Bill of Lading for transportation information.

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US DOT: UN1133, ADHESIVES, 3, II  
IATA: UN1133, ADHESIVES, 3, II  
IMDG: UN1133, ADHESIVES, 3, II, MARINE POLLUTANT (HEXANE),  
FLASH POINT -6°C C.C., EMS F-E, S-D

**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 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 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.

CHINA IECSC INVENTORY: 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 [reg.request@hbfuller.com](mailto:reg.request@hbfuller.com) to request an export review.

This product contains a chemical substance that is 4-Nonylphenol, branched  
subject to a Significant New Use Rule (SNUR)  
under Section 5(a)(2) of TSCA: 79 FR 59186, Oct 1, 2014 (proposed rule)

**FEDERAL REPORTING**

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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#	%
n-Hexane	110-54-3	10 - 30
Toluene	108-88-3	1 - 5

**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
Benzene (Carcinogen)	71-43-2	0.001 - 0.01
ethylbenzene (Carcinogen)	100-41-4	0.001 - 0.01
Naphthalene (Carcinogen)	91-20-3	< 10 ppm
Toluene (Developmental toxin)	108-88-3	1 - 5
Ethylene glycol (Developmental toxin)	107-21-1	0.1 - 1
Benzene (Developmental toxin)	71-43-2	0.001 - 0.01
Benzene, methyl- (Female reproductive toxin)	108-88-3	1 - 5
Benzene (Male reproductive toxin)	71-43-2	0.001 - 0.01

**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.

**SECTION 16: OTHER INFORMATION**

SDS VERSION DATE: 05-01-2017

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 -- 3 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.