

**SAFETY DATA SHEET****Foster® 32-14**

Version 1.0

Revision Date 12/21/2020

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Foster® 32-14  
Product code : 100000014626

**Manufacturer or supplier's details**

Company : H.B. Fuller Construction Products

Address : 1105 South Frontenac  
Aurora, IL, 60504

Telephone : 1-800-552-6225

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

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

**Recommended use of the chemical and restrictions on use**

Recommended use : Solvent based sealant

Restrictions on use : For industrial use only.

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

Appearance	liquid
Color	gray
Odor	solvent

**GHS Classification**

Flammable liquids : Category 2  
Skin irritation : Category 2  
Skin sensitization : Category 1  
Germ cell mutagenicity : Category 1B  
Carcinogenicity : Category 1B  
Reproductive toxicity : Category 2  
Specific target organ toxicity -  
single exposure : Category 3 (Central nervous system)  
Specific target organ toxicity -  
repeated exposure : Category 2  
Aspiration hazard : Category 1

**GHS label elements**

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Hazard pictograms



Signal Word

: Danger

**Hazard Statements:**

H225 Highly flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

**Prevention:** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:** P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P331 Do NOT induce vomiting. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:** P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.

**Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

**Potential Health Effects**
**Carcinogenicity:**
**IARC**

Group 1: Carcinogenic to humans

 Distillates (petroleum), solvent- 64741-88-4  
 refined heavy paraffinic

 Quartz (SiO<sub>2</sub>) 14808-60-7

cristobalite 14464-46-1

Group 2B: Possibly carcinogenic to humans

 Distillates (petroleum), light 68410-97-9  
 distillate hydrotreating process,  
 low-boiling

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	Rutile (TiO <sub>2</sub> )	1317-80-2
	titanium dioxide	13463-67-7
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.	
<b>NTP</b>	Known to be human carcinogen During normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk.	
	Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4
	Quartz (SiO <sub>2</sub> )	14808-60-7
	crystalite	14464-46-1

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

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration [%]
n-hexane	110-54-3	20 - 30
kaolin	1332-58-7	20 - 30
Wollastonite (Ca(SiO <sub>3</sub> ))	13983-17-0	10 - 20
Distillates (petroleum), light distillate hydrotreating process, low-boiling	68410-97-9	5 - 10
toluene	108-88-3	1 - 5
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	1 - 5
Rutile (TiO <sub>2</sub> )	1317-80-2	1 - 5
calcium carbonate	471-34-1	1 - 5
Quartz (SiO <sub>2</sub> )	14808-60-7	0.1 - 1
tris(nonylphenyl) phosphite	26523-78-4	0.1 - 1
Rosin	8050-09-7	0.1 - 1
titanium dioxide	13463-67-7	0.1 - 1
crystalite	14464-46-1	0.1 - 1

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

General advice : Show this material safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

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- If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.  
Get medical attention if irritation develops and persists.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed : Do NOT induce vomiting.  
If victim is fully conscious, give a cupful of water.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

#### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.  
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.  
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Prevent spreading over a wide area (e.g., by containment or oil barriers).
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
Sweep up and shovel into suitable containers for disposal.  
Non-sparking tools should be used.

#### SECTION 7. HANDLING AND STORAGE

- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Avoid inhalation of vapor or mist.  
Do not use in areas without adequate ventilation.

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Keep away from fire, sparks and heated surfaces.  
Keep container closed when not in use.  
Take precautionary measures against static discharges.

Conditions for safe storage : Take measures to prevent the build up of electrostatic charge.  
Use explosion-proof equipment.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep away from sources of ignition - No smoking.  
Solvent vapors are heavier than air and may spread along floors.

Materials to avoid : Strong oxidizing agents

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
n-hexane	110-54-3	TWA	50 ppm	ACGIH
		TWA	500 ppm 1,800 mg/m <sup>3</sup>	OSHA Z-1
		TWA	50 ppm 180 mg/m <sup>3</sup>	OSHA P0
		PEL	50 ppm 180 mg/m <sup>3</sup>	CAL PEL
kaolin	1332-58-7	TWA (Respirable particulate matter)	2 mg/m <sup>3</sup>	ACGIH
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Respirable fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Total dust)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
Wollastonite (Ca(SiO <sub>3</sub> ))	13983-17-0	TWA	1 mg/m <sup>3</sup>	ACGIH

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		(Inhalable particulate matter)		
Distillates (petroleum), light distillate hydrotreating process, low-boiling	68410-97-9	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 1,600 mg/m <sup>3</sup>	OSHA P0
toluene	108-88-3	TWA	20 ppm	ACGIH
		TWA	200 ppm	OSHA Z-2
		CEIL	300 ppm	OSHA Z-2
		Peak	500 ppm	OSHA Z-2
		TWA	100 ppm 375 mg/m <sup>3</sup>	OSHA P0
		STEL	150 ppm 560 mg/m <sup>3</sup>	OSHA P0
		PEL	10 ppm 37 mg/m <sup>3</sup>	CAL PEL
		C	500 ppm	CAL PEL
		STEL	150 ppm 560 mg/m <sup>3</sup>	CAL PEL
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m <sup>3</sup>	ACGIH
		TWA	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
calcium carbonate	471-34-1	PEL (Total dust)	10 mg/m <sup>3</sup>	CAL PEL
		PEL (respirable dust fraction)	5 mg/m <sup>3</sup>	CAL PEL
Quartz (SiO <sub>2</sub> )	14808-60-7	TWA (Respirable particulate matter)	0.025 mg/m <sup>3</sup>	ACGIH
		TWA (total dust)	30 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2	OSHA Z-3
		TWA (respirable)	10 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO <sub>2</sub> +5	OSHA Z-3
		TWA (Respirable fraction)	0.1 mg/m <sup>3</sup>	OSHA P0
		TWA (Respirable dust)	0.05 mg/m <sup>3</sup>	OSHA Z-1

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		PEL (Respirable dust)	0.05 mg/m3	CAL PEL
		TWA (respirable dust fraction)	0.1 mg/m3	OSHA P0
titanium dioxide	13463-67-7	TWA	10 mg/m3	ACGIH
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total)	10 mg/m3	OSHA P0
		TWA (Total dust)	10 mg/m3	OSHA P0
crystalite	14464-46-1	TWA (Respirable particulate matter)	0.025 mg/m3	ACGIH
		TWA (Respirable fraction)	0.05 mg/m3	OSHA P0
		TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
		PEL (Respirable dust)	0.05 mg/m3	CAL PEL
		TWA (respirable dust fraction)	0.05 mg/m3	OSHA P0

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

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Organic vapor Type

Hand protection  
Material : Nitrile rubber

Eye protection : Safety glasses with side-shields

Hygiene measures : Avoid contact with skin, eyes and clothing.  
Provide adequate ventilation.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Color	: gray
Odor	: solvent
Odor Threshold	: No data available
Melting point/freezing point	: is not determined
Boiling point/boiling range	: is not determined
Evaporation rate	: is not determined
Upper explosion limit	: Upper flammability limit is not determined
Lower explosion limit	: Lower flammability limit is not determined
Density	: 8.85 - 9.45 lb/gal
Solubility(ies)	
Water solubility	: is not determined
Partition coefficient: n- octanol/water	: No data available
Autoignition temperature	: is not determined
Viscosity	
Viscosity, kinematic	: is not determined
VOC, less water, in g/l	: 408

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Heat, flames and sparks.
Hazardous decomposition products	: Stable under normal conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute inhalation toxicity	: Acute toxicity estimate : 140.64 mg/l Exposure time: 4 h Test atmosphere: vapor
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Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:****n-hexane:**

Acute dermal toxicity : LD50 Dermal Rabbit: 3,000 mg/kg

**toluene:**

Acute oral toxicity : LD50 Oral Rat: 5,580 mg/kg

Acute inhalation toxicity : LC50 Rat: 12.5 mg/l  
Exposure time: 4 h

**Distillates (petroleum), solvent-refined heavy paraffinic:**

Acute inhalation toxicity : LC50 Rat: 2.18 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration toxicity**

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No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****n-hexane :**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2.1 - 2.98 mg/l  
Exposure time: 96 h  
Test Method: flow-through test

**toluene :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.8 mg/l  
Exposure time: 96 h  
Test Method: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 5.46 - 9.83 mg/l  
Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 12.5 mg/l  
Exposure time: 72 h  
Test Type: static test

**Distillates (petroleum), solvent-refined heavy paraffinic :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 5,000 mg/l  
Exposure time: 96 h  
Test Method: static test

**tris(nonylphenyl) phosphite :**

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 10 mg/l  
Exposure time: 96 h  
Test Method: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.42 mg/l  
Exposure time: 48 h  
Test Method: static test

**Rosin :**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.8 - 5.4 mg/l  
Exposure time: 48 h  
Test Method: static test

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**Persistence and degradability**

No data available

**Bioaccumulative potential****Mobility in soil**

No data available

**Other adverse effects**

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : 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. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

**SECTION 14. TRANSPORT INFORMATION****Special precautions for user**

Not applicable

**Domestic regulation****49 CFR**

UN/ID/NA number : 1133  
Proper shipping name : Adhesives  
Class : 3  
Packing group : II  
Labels : 3  
ERG Code : 128  
Marine pollutant : no

**International Regulations****IATA-DGR**

UN/ID No. : 1133  
Proper shipping name : Adhesives  
Packing group : II  
Labels : 3

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Packing instruction (passenger aircraft) : Transport forbidden

**IMDG-Code**UN number : 1133  
Proper shipping name : ADHESIVES  
Class : 3  
Packing group : II  
Labels : 3  
EmS Code : F-E, S-D  
Marine pollutant : yes**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**SECTION 15. REGULATORY INFORMATION****SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Respiratory or skin sensitization  
Germ cell mutagenicity  
Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)  
Aspiration hazard  
Skin corrosion or irritation  
Carcinogenicity**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:n-hexane 110-54-3  
toluene 108-88-3**Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

n-hexane 110-54-3  
toluene 108-88-3  
ethylene glycol 107-21-1**US State Regulations**

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#### California Prop 65

Please contact Supplier for more information.

#### The ingredients of this product are reported in the following inventories:

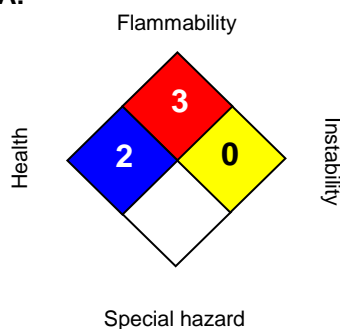
<b>TSCA</b>	All substances listed as active on the TSCA inventory
<b>DSL</b>	All components of this product are on the Canadian DSL
<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>ENCS</b>	On the inventory, or in compliance with the inventory
<b>KECI</b>	On the inventory, or in compliance with the inventory
<b>PICCS</b>	On the inventory, or in compliance with the inventory
<b>IECSC</b>	On the inventory, or in compliance with the inventory
<b>Inventories Legend</b>	TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

## SECTION 16. OTHER INFORMATION

Prepared by: Global Regulatory Department - phone: 1-651-236-5842 - email: msds.request@hbfuller.com

#### Further information

##### NFPA:



##### HMIS III:

<b>HEALTH</b>	<b>3*</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the H.B. Fuller Company from its suppliers, and because the H.B. Fuller Company has no control over the conditions of handling and use, the H.B. Fuller Company 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 the H.B. Fuller Company assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company products to comply with all applicable federal, state and local laws and regulations.

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