

## SAFETY DATA SHEET

### Foster® 40-20

Version 1.0

Revision Date 12/21/2020

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Foster® 40-20  
Product code : 100000014631

##### 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 : Water based sealant

Restrictions on use : For industrial use only.

#### SECTION 2. HAZARDS IDENTIFICATION

##### Emergency Overview

Appearance	liquid
Color	white
Odor	sweet

##### GHS Classification

Skin sensitization : Category 1

##### GHS label elements

Hazard pictograms :



Signal Word : Warning

##### Hazard Statements:

H317 May cause an allergic skin reaction.

##### Precautionary Statements:

**Prevention:** P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves.

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**Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse.

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

#### Potential Health Effects

#### Carcinogenicity:

##### IARC

Group 2B: Possibly carcinogenic to humans During normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk.

titanium dioxide 13463-67-7

##### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

##### NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
aluminium hydroxide	21645-51-2	10 - 20
barium diboron tetraoxide	13701-59-2	5 - 10
calcium carbonate	471-34-1	5 - 10
titanium dioxide	13463-67-7	5 - 10
zinc oxide	1314-13-2	1 - 5
Distillates (petroleum), hydrotreated light	64742-47-8	0.1 - 1
3-iodo-2-propynyl butylcarbamate	55406-53-6	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.  
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

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If swallowed : Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Not combustible.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : none

Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.

Specific extinguishing methods :

Further information : This product is an aqueous mixture that will not burn. Dried product film will burn in a fire.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : No special environmental precautions required.  
Prevent product from entering drains.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : No special precautions are needed in handling this material.

Conditions for safe storage : Keep container closed when not in use.  
Keep in a dry, cool place.

Materials to avoid : Do not freeze.  
No special restrictions on storage with other products.

Storage temperature :  $\geq 40$  °F

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
aluminium hydroxide	21645-51-2	TWA (Respirable particulate matter)	1 mg/m <sup>3</sup>	ACGIH
		TWA (Respirable particulate matter)	1 mg/m <sup>3</sup>	ACGIH
barium diboron tetraoxide	13701-59-2	TWA	0.5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	0.5 mg/m <sup>3</sup>	ACGIH
		TWA	0.5 mg/m <sup>3</sup>	OSHA P0
		TWA	0.5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	0.5 mg/m <sup>3</sup>	ACGIH
		TWA	0.5 mg/m <sup>3</sup>	OSHA P0
		TWA	0.5 mg/m <sup>3</sup>	NIOSH REL
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
titanium dioxide	13463-67-7	TWA	10 mg/m <sup>3</sup>	ACGIH
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Total dust)	10 mg/m <sup>3</sup>	OSHA P0
zinc oxide	1314-13-2	TWA (Respirable particulate matter)	2 mg/m <sup>3</sup>	ACGIH
		STEL (Respirable particulate matter)	10 mg/m <sup>3</sup>	ACGIH
		TWA (Fumes)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1

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		TWA (Total)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Respirable fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA	5 mg/m <sup>3</sup>	OSHA P0
		STEL	10 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
		TWA (Fumes)	5 mg/m <sup>3</sup>	OSHA P0
		STEL (Fumes)	10 mg/m <sup>3</sup>	OSHA P0
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup>	ACGIH
		TWA	400 ppm 1,600 mg/m <sup>3</sup>	OSHA P0

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.  
In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection**

Material : Nitrile rubber  
Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Protective measures : No special protective equipment required.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid  
 Color : white  
 Odor : sweet  
 Odor Threshold : No data available  
 Melting point/freezing point : 32 °F  
 Boiling point/boiling range : 212 °F  
 Evaporation rate : is not determined  
 Flammability (solid, gas) : Not classified as a flammability hazard

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Upper explosion limit	:	Upper flammability limit is not determined
Lower explosion limit	:	Lower flammability limit is not determined
Relative vapor density	:	is not determined
Density	:	11.5 - 12.3 lb/gal
Solubility(ies)	:	
Water solubility	:	dispersible
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	is not determined
VOC, less water, in g/l	:	42

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**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	Hazardous polymerization does not occur.
Hazardous decomposition products	:	Stable under normal conditions.

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

Acute oral toxicity	:	Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate : 108.91 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method

**Components:****Distillates (petroleum), hydrotreated light:**

Acute inhalation toxicity	:	LC50 Rat: > 5.2 mg/l Exposure time: 4 h Test atmosphere: vapor
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**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**No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Distillates (petroleum), hydrotreated light :**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 2.2 mg/l  
Exposure time: 96 h  
Test Method: static test

**Persistence and degradability**

No data available

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

No data available

**Other adverse effects**

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No data available

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

Waste from residues : 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.  
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**

Not regulated as a dangerous good

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

UN/ID No. : 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(ZINC OXIDE)  
Class : 9  
Packing group : III  
Labels : 9  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964

**IMDG-Code**

UN number : 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(ZINC OXIDE)  
Class : 9  
Packing group : III  
Labels : 9



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EmS Code : F-A, S-F  
Marine pollutant : no**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** : Respiratory or skin sensitization**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:

barium diboron tetraoxide	13701-59-2
zinc oxide	1314-13-2
150	Not Assigned

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

**US State Regulations****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>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

## SAFETY DATA SHEET

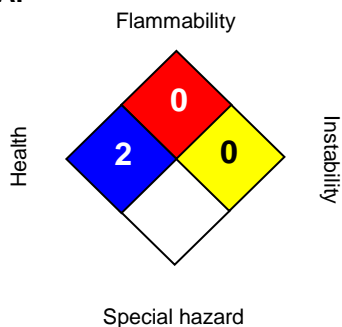
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#### Further information

##### NFPA:



##### HMIS III:

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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

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