

SAFETY DATA SHEET**Foster® FIBER-FAS™ 32-16G**

Version 1.0

Revision Date 12/21/2020

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Foster® FIBER-FAS™ 32-16G
Product code : 100000013736

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	gray
Odor	sweet

GHS Classification

Reproductive toxicity : Category 1B

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements:

H360 May damage fertility or the unborn child.

Precautionary Statements:**Prevention:** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/ protective clothing/ eye

SAFETY DATA SHEET**Foster® FIBER-FAS™ 32-16G**

Version 1.0

Revision Date 12/21/2020

protection/ face protection.

Response: P308 + P313 IF exposed or concerned: Get medical advice/ attention.**Storage:** 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 humansDuring normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk.

Quartz (SiO₂) 14808-60-7

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

Paraffin waxes and 63449-39-8
Hydrocarbon waxes, chloro

Alkanes, chloro 61788-76-9

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

Known to be human carcinogenDuring normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk.

Quartz (SiO₂) 14808-60-7

Reasonably anticipated to be a human carcinogenDuring normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk.

Paraffin waxes and 63449-39-8
Hydrocarbon waxes, chloro**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
calcium carbonate	471-34-1	30 - 50
Paraffin waxes and Hydrocarbon waxes, chloro	63449-39-8	5 - 10
Alkanes, chloro	61788-76-9	5 - 10

SAFETY DATA SHEET**Foster® FIBER-FAS™ 32-16G**

Version 1.0

Revision Date 12/21/2020

kaolin	1332-58-7	1 - 5
Cellulose	9004-34-6	1 - 5
Quartz (SiO ₂)	14808-60-7	0.1 - 1
boric acid	10043-35-3	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.
- 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.

SAFETY DATA SHEET

Foster® FIBER-FAS™ 32-16G

Version 1.0

Revision Date 12/21/2020

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 : $\geq 40^{\circ}\text{F}$

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
calcium carbonate	471-34-1	PEL (Total dust)	10 mg/m ³	CAL PEL
		PEL (respirable dust fraction)	5 mg/m ³	CAL PEL
kaolin	1332-58-7	TWA (Respirable particulate matter)	2 mg/m ³	ACGIH
		TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Total)	10 mg/m ³	OSHA P0
		TWA (Respirable fraction)	5 mg/m ³	OSHA P0
		TWA (Total dust)	10 mg/m ³	OSHA P0
		TWA (respirable dust fraction)	5 mg/m ³	OSHA P0
Cellulose	9004-34-6	TWA	10 mg/m ³	ACGIH

SAFETY DATA SHEET

Foster® FIBER-FAS™ 32-16G

Version 1.0

Revision Date 12/21/2020

		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total)	15 mg/m3	OSHA P0
		TWA (Respirable fraction)	5 mg/m3	OSHA P0
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		PEL (Total dust)	10 mg/m3	CAL PEL
		PEL (respirable dust fraction)	5 mg/m3	CAL PEL
Quartz (SiO ₂)	14808-60-7	TWA (Respirable particulate matter)	0.025 mg/m3	ACGIH
		TWA (total dust)	30 mg/m3 / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	10 mg/m3 / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO ₂ +5	OSHA Z-3
		TWA (Respirable fraction)	0.1 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)	0.1 mg/m3	OSHA P0
boric acid	10043-35-3	TWA (Inhalable particulate matter)	2 mg/m3	ACGIH
		STEL (Inhalable particulate matter)	6 mg/m3	ACGIH
		TWA	2 mg/m3	ACGIH

SAFETY DATA SHEET

Foster® FIBER-FAS™ 32-16G

Version 1.0

Revision Date 12/21/2020

		(Inhalable particulate matter)		
		STEL (Inhalable particulate matter)	6 mg/m3	ACGIH

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 : gray
 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
- 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

SAFETY DATA SHEET**Foster® FIBER-FAS™ 32-16G**

Version 1.0

Revision Date 12/21/2020

Autoignition temperature : is not determined
VOC, less water, in g/l : 45

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.

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

Acute inhalation toxicity : Acute toxicity estimate : > 200 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Components:**Cellulose:**

Acute inhalation toxicity : LC50 Rat: > 5.800 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

boric acid:

Acute oral toxicity : LD50 Oral Rat: 2,660 mg/kg

Acute inhalation toxicity : LC50 Rat: 2.03 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal Rabbit: > 2,000 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

SAFETY DATA SHEET**Foster® FIBER-FAS™ 32-16G**

Version 1.0

Revision Date 12/21/2020

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

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****Paraffin waxes and Hydrocarbon waxes, chloro :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.0109 mg/l
Exposure time: 96 h
Test Method: flow-through test

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**

SAFETY DATA SHEET**Foster® FIBER-FAS™ 32-16G**

Version 1.0

Revision Date 12/21/2020

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. : 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
(ALKANES, C14-17, CHLORO)
Class : 9
Subsidiary risk : ENVIRONM.
Packing group : III
Labels : 9 (ENVIRONM.)
Packing instruction (cargo aircraft) : 956
Packing instruction (passenger aircraft) : 956

IMDG-Code

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.
Class : 9
Subsidiary risk : ENVIRONM.
Packing group : III
Labels : 9 (ENVIRONM.)
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.

SAFETY DATA SHEET**Foster® FIBER-FAS™ 32-16G**

Version 1.0

Revision Date 12/21/2020

SECTION 15. REGULATORY INFORMATION**SARA 311/312 Hazards** : Reproductive toxicity**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.**Clean Air Act**

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

ethylene glycol

107-21-1

US State Regulations**California Prop 65**

Please contact Supplier for more information.

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

All substances listed as active on the TSCA inventory

DSL

All components of this product are on the Canadian DSL

Inventories Legend 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

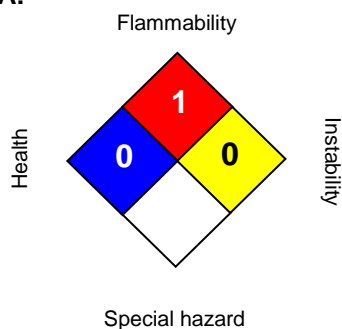
Foster® FIBER-FAS™ 32-16G

Version 1.0

Revision Date 12/21/2020

Further information

NFPA:



HMIS III:

HEALTH	0*
FLAMMABILITY	1
PHYSICAL HAZARD	0

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.