

## SAFETY DATA SHEET

### Foster® 90-66B

Version 1.0

Revision Date 12/22/2020

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Foster® 90-66B  
 Product code : 100000015062

##### 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	black
Odor	solvent

##### GHS Classification

Flammable liquids : Category 2  
 Skin irritation : Category 2  
 Reproductive toxicity : Category 2  
 Specific target organ toxicity -  
 repeated exposure : Category 2  
 Aspiration hazard : Category 1

##### GHS label elements

Hazard pictograms :   

Signal Word : Danger

## SAFETY DATA SHEET

### Foster® 90-66B

Version 1.0

Revision Date 12/22/2020

#### Hazard Statements:

H225 Highly flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H361d Suspected of damaging 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. 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. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P331 Do NOT induce vomiting. P332 + P313 If skin irritation 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 + 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 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.

Carbon black 1333-86-4

cumene 98-82-8

##### 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

Reasonably anticipated to be a human carcinogen

cumene 98-82-8

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous ingredients

Chemical name	CAS-No.	Concentration [%]
Carbon black	1333-86-4	30 - 50
toluene	108-88-3	5 - 10
1,2,4-trimethylbenzene	95-63-6	5 - 10
manganese dioxide	1313-13-9	5 - 10

## SAFETY DATA SHEET

### Foster® 90-66B

Version 1.0

Revision Date 12/22/2020

Terphenyl, hydrogenated	61788-32-7	1 - 5
cumene	98-82-8	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.  
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.

## SAFETY DATA SHEET

### Foster® 90-66B

Version 1.0

Revision Date 12/22/2020

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.  
 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
Carbon black	1333-86-4	TWA	3.5 mg/m <sup>3</sup>	ACGIH
		TWA	3.5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	3.5 mg/m <sup>3</sup>	OSHA P0
		TWA (Inhalable particulate matter)	3 mg/m <sup>3</sup>	ACGIH
toluene	108-88-3	PEL	3.5 mg/m <sup>3</sup>	CAL PEL
		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

**SAFETY DATA SHEET**
**Foster® 90-66B**

Version 1.0

Revision Date 12/22/2020

		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
manganese dioxide	1313-13-9	C	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	0.2 mg/m <sup>3</sup>	ACGIH
		C	5 mg/m <sup>3</sup>	OSHA P0
		ST	3 mg/m <sup>3</sup>	NIOSH REL
		C	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable particulate matter)	0.1 mg/m <sup>3</sup>	ACGIH
		TWA (Respirable particulate matter)	0.02 mg/m <sup>3</sup>	ACGIH
		C	5 mg/m <sup>3</sup>	OSHA P0
		TWA	1 mg/m <sup>3</sup>	NIOSH REL
		ST	3 mg/m <sup>3</sup>	NIOSH REL
Terphenyl, hydrogenated	61788-32-7	TWA	0.5 ppm	ACGIH
		TWA	0.5 ppm 5 mg/m <sup>3</sup>	NIOSH REL
		TWA	0.5 ppm 5 mg/m <sup>3</sup>	OSHA P0
		PEL	0.5 ppm 5 mg/m <sup>3</sup>	CAL PEL
cumene	98-82-8	TWA	50 ppm	ACGIH
		TWA	50 ppm 245 mg/m <sup>3</sup>	NIOSH REL
		TWA	50 ppm 245 mg/m <sup>3</sup>	OSHA Z-1
		TWA	50 ppm 245 mg/m <sup>3</sup>	OSHA P0
		PEL	50 ppm 245 mg/m <sup>3</sup>	CAL PEL

**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

**SAFETY DATA SHEET****Foster® 90-66B**

Version 1.0

Revision Date 12/22/2020

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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	: black
Odor	: solvent
Odor Threshold	: No data available
Melting point/freezing point	: is not determined
Boiling point/boiling range	: is not determined
Flash Point	: 23° C
Upper explosion limit	: Upper flammability limit is not determined
Lower explosion limit	: Lower flammability limit is not determined
Density	: 9.3 - 9.9 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	: 286

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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.
Conditions to avoid	: Heat, flames and sparks.
Hazardous decomposition products	: Stable under normal conditions.

**SAFETY DATA SHEET****Foster® 90-66B**

Version 1.0

Revision Date 12/22/2020

**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 : 122.1 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method
- Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:****toluene:**

- Acute oral toxicity : LD50 Oral Rat: 5,580 mg/kg
- Acute inhalation toxicity : LC50 Rat: 12.5 mg/l  
Exposure time: 4 h

**1,2,4-trimethylbenzene:**

- Acute oral toxicity : LD50 Oral Rat: 3,400 mg/kg
- Acute inhalation toxicity : LC50 Rat: 18 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor
- Acute dermal toxicity : LD50 Dermal Rabbit: > 3,160 mg/kg

**cumene:**

- Acute oral toxicity : LD50 Oral Rat: 1,400 mg/kg

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

**SAFETY DATA SHEET****Foster® 90-66B**

Version 1.0

Revision Date 12/22/2020

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:****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

**1,2,4-trimethylbenzene :**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 7.19 - 8.28 mg/l  
Exposure time: 96 h  
Test Method: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6.14 mg/l  
Exposure time: 48 h  
Test Method: static test



**SAFETY DATA SHEET****Foster® 90-66B**

Version 1.0

Revision Date 12/22/2020

**Terphenyl, hydrogenated :**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 0.53 mg/l  
Exposure time: 96 h  
Test Method: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.011 mg/l  
Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): > 0.53 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

**cumene :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.7 mg/l  
Exposure time: 96 h  
Test Method: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.6 mg/l  
Exposure time: 48 h  
Test Method: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (microalgae)): 2.6 mg/l  
Exposure time: 72 h  
Test Type: 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**

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.

**SAFETY DATA SHEET****Foster® 90-66B**

Version 1.0

Revision Date 12/22/2020

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

Not applicable

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

UN/ID/NA number : 1139  
Proper shipping name : Coating solution  
Class : 3  
Packing group : III  
Labels : 3  
ERG Code : 127  
Marine pollutant : yes (TERPHENYL, HYDROGENATED)

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

UN/ID No. : 1139  
Proper shipping name : Coating solution  
Packing group : III  
Labels : 3  
Packing instruction : Transport forbidden  
(passenger aircraft)

**IMDG-Code**

UN number : 1139  
Proper shipping name : COATING SOLUTION  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : yes (TERPHENYL, HYDROGENATED)

**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)  
Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)

**SAFETY DATA SHEET****Foster® 90-66B**

Version 1.0

Revision Date 12/22/2020

Aspiration hazard  
Skin corrosion or irritation**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:

toluene	108-88-3
1,2,4-trimethylbenzene	95-63-6
manganese dioxide	1313-13-9
cumene	98-82-8

**Clean Air Act**

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

toluene	108-88-3
manganese dioxide	1313-13-9
xylene	1330-20-7
cumene	98-82-8

**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>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

**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

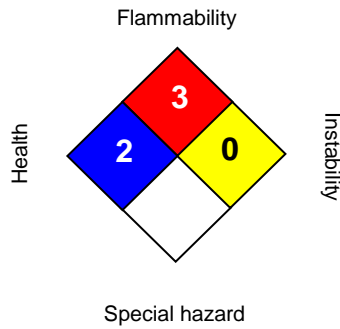
## Foster® 90-66B

Version 1.0

Revision Date 12/22/2020

### 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.