

## SAFETY DATA SHEET

### Foster® FOS-STIK™ 85-45

Version 1.0

Revision Date 01/18/2021

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Foster® FOS-STIK™ 85-45  
Product code : 100000015407

##### Manufacturer or supplier's details

Company : H.B. Fuller Engineering Adhesives  
Address : 9001 W Fey Drive  
Frankfort, IL, 60423  
Telephone : 1-815-464-5606

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 : Adhesive  
Restrictions on use : For industrial use only.

#### SECTION 2. HAZARDS IDENTIFICATION

##### Emergency Overview

Appearance	Aerosol containing a compressed gas
Color	colorless
Odor	solvent

##### GHS Classification

Gases under pressure : Compressed gas  
Skin irritation : Category 2  
Eye irritation : Category 2A  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

##### GHS label elements

Hazard pictograms : 

Signal Word : Warning

##### Hazard Statements:

H280 Contains gas under pressure; may explode if heated. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H304 May be fatal if

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swallowed and enters airways. H225 Highly flammable liquid and vapor.

**Precautionary Statements:**

**Prevention:** P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ eye protection/ face protection. P243 Take action to prevent static discharges. P242 Use non-sparking tools. P241 Use explosion-proof electrical equipment.

**Response:** P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse.

**Storage:** P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P410 + P403 Protect from sunlight. Store in a well-ventilated place.

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

**Potential Health Effects**

**Carcinogenicity:**

<b>IARC</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<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>	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 [%]
acetone	67-64-1	30 - 50
propane	74-98-6	30 - 50
heptane	142-82-5	20 - 30
butane	106-97-8	10 - 20

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.  
Keep patient warm and at rest.  
Consult a physician after significant exposure.

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- |                         |   |   |
|-------------------------|---|---|
| In case of skin contact | : | Wash off immediately with soap and plenty of water.<br>Call a physician if irritation develops or persists.         |
| In case of eye contact  | : | Rinse immediately with plenty of water, also under the eyelids.<br>Seek medical advice.                             |
| If swallowed            | : | If swallowed, call a poison control center or doctor immediately.<br>Do not induce vomiting without medical advice. |

#### SECTION 5. FIRE-FIGHTING MEASURES

- |  |   |   |
|--|---|---|
| Suitable extinguishing media                   | : | Carbon dioxide (CO2)<br>Sand<br>Foam  |
| Unsuitable extinguishing media                 | : | Water   |
| Hazardous combustion products                  | : | No hazardous combustion products are known  |
| Specific extinguishing methods                 | : |   |
| Further information                            | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.           |
| Special protective equipment for fire-fighters | : | Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear. |

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |   |   |  |
|---|---|--|
| Personal precautions, protective equipment and emergency procedures | : | Refer to protective measures listed in sections 7 and 8.<br>Ensure adequate ventilation.           |
| Environmental precautions   | : | Prevent product from entering drains.<br>Do not flush into surface water or sanitary sewer system. |
| Methods and materials for containment and cleaning up               | : | Ventilate the area.<br>Soak up with inert absorbent material.<br>Shovel or sweep up.               |

#### SECTION 7. HANDLING AND STORAGE

- |                         |   |  |
|-------------------------|---|--|
| Local/Total ventilation | : | Use only with adequate ventilation.                                    |
| Advice on safe handling | : | Wear personal protective equipment.<br>Do not get on skin or clothing. |

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Keep away from heat and flame.

Conditions for safe storage : Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.  
Keep in a cool, well-ventilated place.

Materials to avoid : Do not store together with oxidizing and self-igniting products.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
acetone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	1,000 ppm 2,400 mg/m3	OSHA Z-1
		TWA	750 ppm 1,800 mg/m3	OSHA P0
		STEL	1,000 ppm 2,400 mg/m3	OSHA P0
		STEL	750 ppm 1,780 mg/m3	CAL PEL
		C	3,000 ppm	CAL PEL
		PEL	500 ppm 1,200 mg/m3	CAL PEL
propane	74-98-6	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,800 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m3	OSHA P0
		PEL	1,000 ppm 1,800 mg/m3	CAL PEL
		heptane	142-82-5	TWA
		TWA	400 ppm 1,600 mg/m3	OSHA P0
		STEL	500 ppm 2,000 mg/m3	OSHA P0
		TWA	400 ppm	ACGIH
		STEL	500 ppm	ACGIH
		PEL	400 ppm 1,600 mg/m3	CAL PEL
		STEL	500 ppm	CAL PEL

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			2,000 mg/m3	
butane	106-97-8	TWA	800 ppm 1,900 mg/m3	OSHA P0
		TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm	ACGIH
		PEL	800 ppm 1,900 mg/m3	CAL PEL
		STEL	1,000 ppm	ACGIH

#### 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 : Combined particulates and organic vapor type

Hand protection  
Material : Nitrile rubber

Eye protection : Tightly fitting safety goggles  
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and body protection : Long sleeved clothing  
Preventive skin protection

Protective measures : Avoid contact with skin.

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

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aerosol containing a compressed gas  
Color : colorless  
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  
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

Density : 5 lb/gal

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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

#### SECTION 10. STABILITY AND REACTIVITY

Chemical stability : The product is chemically stable.  
Hazardous decomposition products : Nitrogen oxides (NOx)  
Sulfur oxides

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

###### Product:

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

###### Components:

###### **heptane:**

Acute oral toxicity : LD50 Oral Mouse: 5,000 mg/kg  
Acute dermal toxicity : LD50 Dermal Rabbit: 3,000 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

No data available

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#### 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:

##### heptane :

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10 mg/l  
Exposure time: 24 h  
Test Method: static 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 : Do not dispose of together with household waste.  
Do not dispose of waste into sewer.  
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. Disposal via incineration at an approved facility is recommended, as industry best practice. Consult state, local or provincial authorities for more

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restrictive requirements.

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

Not applicable

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

UN/ID/NA number : 1950  
Proper shipping name : Aerosols  
Class : 2.1  
Packing group : Not Assigned  
Labels : 2.1  
ERG Code : 126  
Marine pollutant : no

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

UN/ID No. : 1950  
Proper shipping name : Aerosols, flammable  
Packing group : Not Assigned  
Labels : 2.1  
Packing instruction : Transport forbidden  
(passenger aircraft)

**IMDG-Code**

UN number : 1950  
Proper shipping name : AEROSOLS  
Class : 2.1  
Packing group : Not Assigned  
Labels : 2.1  
EmS Code : F-D, S-U  
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** : Flammable (gases, aerosols, liquids, or solids)  
Aspiration hazard  
Skin corrosion or irritation



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Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

**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

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:

**TSCA** All substances listed as active on the TSCA inventory  
**DSL** All components of this product are on the Canadian DSL  
**ENCS** On the inventory, or in compliance with the inventory  
**KECI** On the inventory, or in compliance with the inventory  
**PICCS** 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

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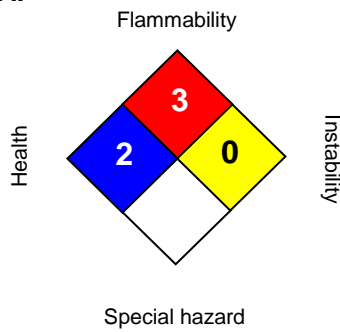
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**Further information**

**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

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