

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

# **Foster® 95-50**

Version Revision Date: SDS Number: Date of last issue: -

1.0 12.01.2023 100000018454 Date of first issue: 12.01.2023

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Foster® 95-50

Product code : Foster® 95-50

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub- : Sealant

stance/Mixture

Recommended restrictions

on use

: For industrial use only.

1.3 Details of the supplier of the safety data sheet

Company : H.B. Fuller, Isar-Rakoll, S.A.

Address : Estrada Nacional 13

PT-4486-851 Mindelo - Vila do Conde

+351 229 288 200

Telephone : +448883513523

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E-mail address of person

responsible for the SDS

: EU-MSDS@hbfuller.com

Distributed By:

Temati Rijnland 2

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Phone: +31 (0) 251 22 91 72

1.4 Emergency telephone number

Emergency telephone number : +44 1235 239 670 (24 hours)



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### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Not a hazardous substance or mixture.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Not a hazardous substance or mixture.

# **Additional Labelling**

EUH210 Safety data sheet available on request.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

# **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

### Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
Naphtha (petroleum), hydrotreated	64742-48-9	Asp. Tox. 1; H304	>= 20 - < 30
heavy	265-150-3		
,	649-327-00-6		
ethane-1,2-diol	107-21-1	Acute Tox. 4; H302	>= 1 - < 10
	203-473-3	STOT RE 2; H373	
	603-027-00-1	(Kidney)	
	01-2119456816-28-		
	0000		

For explanation of abbreviations see section 16.



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### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

General advice : If on clothes, remove clothes.

Move the victim to fresh air.

Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the

accident.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get

medical attention.

In case of unconsciousness bring patient into stable side posi-

tion for transport.

In case of skin contact : Wash off immediately with soap and plenty of water while

removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

In case of eye contact : Flush eyes with water at least 15 minutes. Get medical atten-

tion if eye irritation develops or persists.

If swallowed : If accidentally swallowed obtain immediate medical attention.

Rinse mouth with water.

If conscious, drink plenty of water.

Do NOT induce vomiting.

If symptoms persist, call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

## 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No further relevant information available.

# **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Water mist Foam Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing : Water with a full water jet



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media

5.2 Special hazards arising from the substance or mixture

fighting

Specific hazards during fire- : No further relevant information available.

5.3 Advice for firefighters

Special protective equipment:

for firefighters

No special protective measures against fire required.

Further information In the event of fire, wear self-contained breathing apparatus.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

# **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition.

Use personal protective equipment.

Use breathing protection against the effects of

fumes/dust/aerosol.

Evacuate personnel to safe areas. Ensure adequate ventilation.

6.2 Environmental precautions

**Environmental precautions** The product should not be allowed to enter drains, water

courses or the soil.

Prevent the material from reaching sewage system, holes and

If the product contaminates rivers and lakes or drains inform

respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust). Non-sparking tools should be used.

Ensure adequate ventilation.

Send for recovery or disposal in suitable containers.

Dispose of contaminated material as waste according to sec-

tion 13.



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#### 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8., For disposal considerations see section 13.

# **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of dust and aerosols.

Use only with adequate ventilation. Take note of emission threshold. Use solvent-proof equipment.

Ensure that suitable extractors are available on processing

machines.

Handle with care.

Keep eye wash bottle available on working place.

Avoid release to the environment.

Keep away from children.

Advice on protection against

fire and explosion

Keep product and empty container away from heat and sources of ignition. Do not smoke. Take measures to prevent the build up of electrostatic charge. May form explosive mixtures in air. Highly volatile, flammable constituents are released during processing. In the event of fire and/or explosion do not breathe fumes. Keep breathing equipment ready. Have fire extinguishing equipment ready in case of nearby fire.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers

Keep dark, cool and dry. Store in cool place.

Further information on stor-

age conditions

Keep containers tightly closed in a dry, cool and wellventilated place. Store in a cool place. Heat will increase

pressure and may lead to the container exploding.

7.3 Specific end use(s)

Specific use(s) : No further relevant information available.

### **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
ethane-1,2-diol	107-21-1	TWA (Vapour)	20 ppm	GB EH40



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		52 mg/m3		
Further inform	Further information: Can be absorbed through the skin. The assigned sub-			
stances are th	stances are those for which there are concerns that dermal absorption will			
lead to system	lead to systemic toxicity.			
	TWA (particles)	10 mg/m3	GB EH40	
Further inform	Further information: Can be absorbed through the skin. The assigned sub-			
stances are th	stances are those for which there are concerns that dermal absorption will			
lead to systen	lead to systemic toxicity.			
	STEL (Vapour)	40 ppm	GB EH40	
		104 mg/m3		
Further inform	Further information: Can be absorbed through the skin. The assigned sub-			
stances are th	stances are those for which there are concerns that dermal absorption will			
lead to systen	lead to systemic toxicity.			
	STEL	40 ppm	2000/39/EC	
		104 mg/m3		
Further inform	Further information: Identifies the possibility of significant uptake through the			
skin, Indicativ	skin, Indicative			
	TWA	20 ppm	2000/39/EC	
		52 mg/m3		
Further inform	Further information: Identifies the possibility of significant uptake through the			
skin, Indicativ	е			

# **Derived No Effect Level (DNEL):**

Substance name	End Use	Exposure routes	Potential health ef-	Value
			fects	
ethane-1,2-diol	Workers	Dermal	Long-term systemic effects	106 mg/kg
	Workers	Inhalation	Long-term local ef- fects	35 mg/m3

# **Predicted No Effect Concentration (PNEC):**

Substance name	Environmental Compartment	Value
ethane-1,2-diol	Fresh water	10 mg/l
	Marine water	1 mg/l
	Fresh water sediment	20,9 mg/kg
	Sewage treatment plant	20,9 mg/l

# 8.2 Exposure controls

# **Engineering measures**

Please take care on national and local requirements.

# Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection



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Remarks : The glove material has to be impermeable and resistant to

the product/the substance/the preparation.

The exact break through time can be obtained from the protective glove producer and this has to be observed.

The gloves need to be disposed after the penetration time and replaced by new ones.

Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work.

# For the permanent contact gloves made of the following materials are suitable:

If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the Barrier 02-100 underglove from Ansell or other suppliers (penetration time: 480 min).

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Butyl rubber (minimum thickness: 0.7 mm; penetration time: 15 min)

As protection from splashes gloves made of the following materials are suitable:

Nitril (minimum thickness 0.12 mm), Disposable gloves with long cuffs

After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.

Skin and body protection : Protective clothing

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that

exposures are within recommended exposure guidelines.

In case of brief exposure or low pollution (exceeding of TLV)

use breathing filter apparatus.

In case of intensive or longer exposure use breathing appa-

ratus that is independent of circulating air.

Ensure that suitable extractors are available on processing

machines.



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Protective measures : Keep away from food, drink and animal feedingstuffs.

Instantly remove any soiled and impregnated garments.

Wash hands before breaks and immediately after handling the

product.

Avoid contact with the eyes and skin. Store protective clothing separately.

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Appearance : paste

Colour : white

Odour : characteristic

Odour Threshold : is not determined

Hq :

neutral

Melting point/freezing point : is not determined

Initial boiling point and boiling

range

> 150 °C

Flash point :  $> 61 \,^{\circ}\text{C}$ 

Evaporation rate : is not determined

Upper explosion limit / Upper

flammability limit

Upper explosion limit

7 %(V)

Lower explosion limit / Lower

flammability limit

: Lower explosion limit

0,6 %(V)

Vapour pressure : 0,5 hPa (20 °C)

13 hPa (50 °C)

Relative vapour density : is not determined

Density : 1,38 g/cm³ (20 °C)

Solubility(ies)



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Water solubility : not miscible or difficult to mix

Partition coefficient: n-

octanol/water

: no data available

Auto-ignition temperature : > 270 °C

Decomposition temperature : Not applicable

Viscosity

Viscosity, dynamic : 150.000 mPa.s (20 °C)

Explosive properties : Product is not explosive. However, formation of explosive

vapour/air mixtures is possible.

### 9.2 Other information

No data available

### **SECTION 10: Stability and reactivity**

# 10.1 Reactivity

No further relevant information available.

### 10.2 Chemical stability

No decomposition if used according to the specifications.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Develops readily flammable vapours/fumes.

10.4 Conditions to avoid

Conditions to avoid : No further relevant information available.

10.5 Incompatible materials

Materials to avoid : No further relevant information available.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

**Acute toxicity** 

**Product:** 



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Acute oral toxicity : Based on available data, the classification criteria are not met.

Acute toxicity estimate: > 2.000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Based on available data, the classification criteria are not met.

Acute dermal toxicity : Based on available data, the classification criteria are not met.

### **Components:**

Naphtha (petroleum), hydrotreated heavy:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 3.160 mg/kg

ethane-1,2-diol:

Acute oral toxicity : LD50 Oral (Rat): 4.000 mg/kg

# **SECTION 12: Ecological information**

# 12.1 Toxicity

### **Components:**

Naphtha (petroleum), hydrotreated heavy:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2.200 mg/l

Exposure time: 96 h Test Type: static test

Toxicity to daphnia and other :

Toxicity to daprillia and othe

aquatic invertebrates

EC50 (Daphnia (water flea)): 2,6 mg/l

Exposure time: 96 h Test Type: static test

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

# 12.4 Mobility in soil

**Product:** 

Mobility : Medium: Soil

Remarks: Do not allow product to reach ground water, water



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bodies or sewage system.

### 12.5 Results of PBT and vPvB assessment

### **Product:**

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

### 12.6 Other adverse effects

No data available

# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : Do not dispose of with domestic refuse.

Do not dispose of waste into sewer.

Hand over to disposers of hazardous waste.

The generation of waste should be avoided or minimized

wherever possible.

Incinerate under controlled conditions in accordance with all

local and national laws and regulations.

Disposal must be made according to official regulations.

Contaminated packaging : Disposal must be made according to official regulations.

## **SECTION 14: Transport information**

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good



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### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

# **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on

the market and use of certain dangerous substances,

mixtures and articles (Annex XVII)

Not applicable

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

Not applicable

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

Not applicable

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

Not applicable

RoHS: 2011/65/EU, Restriction of Hazardous Substanc-

es

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import

of dangerous chemicals

Not applicable

UK REACH List of substances subject to authorisation

(Annex XIV)

: Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial

emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 11,09 %, 153 g/l

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)

Not applicable



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

REACH : On the inventory, or in compliance with the inventory

#### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

### **SECTION 16: Other information**

### **Full text of H-Statements**

H302 : Harmful if swallowed.

H304 : May be fatal if swallowed and enters airways.

H373 : May cause damage to organs through prolonged or repeated

exposure.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity
Asp. Tox. : Aspiration hazard

STOT RE : Specific target organ toxicity - repeated exposure

2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first

list of indicative occupational exposure limit values

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits

2000/39/EC / TWA : Limit Value - eight hours 2000/39/EC / STEL : Short term exposure limit

GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified;



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NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### **Further information**

Other information : This safety datasheet only contains information relating to

safety and does not replace any product information or prod-

uct specification.

Contact Point : Prepared by: Global Regulatory Department

EU-MSDS@hbfuller.com

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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