

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

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

#### 1.1. Product identifier

**Trade name**

FIBERFIX Polyesterplast

**Article No.**

100101

**UFI code**

S73T-MFN7-A99U-NFTK

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

**Relevant identified uses**

Polyester resin.

Identified use(s):

Consumer

Professional

Industry

#### 1.3. Details of the supplier of the safety data sheet

**Supplier**

Färg-In AB

Address

Bodalsvägen 6

681 43 Kristinehamn

Sweden

Telephone

+46 55010045

Email

info@fargin.se

Web site

www.fargin.se

Contact person

Johan Thynell

#### 1.4. Emergency telephone number

See National Telephone Number (112) Poison control center

**Available outside office hours**

Yes

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

##### **Classification**

Flammable liquids, hazard category 3

Skin irritation, hazard category 2

Skin sensitisation, hazard category 1

Eye irritation, hazard category 2

Acute toxicity, inhalation, hazard category 4

Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation

Reproductive toxicity, hazard category 2

Specific Target Organ Toxicity — Repeated exposure, hazard category 1

Hazardous to the aquatic environment — Chronic hazard category 3

##### **Hazard statements**

H226, H315, H317, H319, H332, H335, H361d, H372, H412

#### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

##### **Hazard pictograms**



##### **Signal word**

Danger

##### **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure .

H412 Harmful to aquatic life with long lasting effects.

##### **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take action to prevent static discharges.

P260 Do not breathe dust / fume / gas / mist / vapours / spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P501 Dispose of contents/container to approved waste receiver.

## SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

**More information**

Contains: styrene , phthalic anhydride , Maleic anhydride , Cobolt bis(2-ethylhexanoate)

**2.3. Other hazards**

This product does not contain any PBT or vPvB substances.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
styrene	100-42-5 202-851-5 01-2119457861-32 601-026-00-0	40 - 50%	Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2, Acute Tox. 4 - inhalation, Repr. 2, STOT RE 1	H226, H315, H319, H332, H361d, H372 - -	D
Hydrocarbons, C4-, 1, 3-butadiene-free, polymerized, triisobutylene fraction, hydrogenated	93685-81-5 297-629-8 - -	0.5 - 1.5%	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4	H226, H304, H413 - -	-
phthalic anhydride	85-44-9 201-607-5 01-2119457017-41 607-009-00-4	≤0.3%	Acute Tox. 4 - oral, Skin Irrit. 2, Skin Sens. 1, Eye Dam. 1, Resp. Sens. 1, STOT SE 3 - resp. tract irrit.	H302, H315, H317, H318, H334, H335 - -	-
Silica, amorphous, fumed, crystalline-free	112945-52-5 231-545-4 01-2119379499-16 -	0.1%	-	- - -	-
Cobolt bis(2-ethylhexanoate)	136-52-7 205-250-6 01-2119524678-29 -	0.01 - <0.1%	Skin Sens. 1A, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 3, Repr. 1B	H317, H319, H360Fd., H400, H412 M-acute=1 -	-
ethanediol; ethylene glycol	107-21-1 203-473-3 01-2119456816-28 603-027-00-1	≤0.1%	Acute Tox. 4 - oral	H302 - -	-
Maleic anhydride	108-31-6 203-571-6 - 607-096-00-9	≤0.1%	Acute Tox. 4 - oral, Skin Corr. 1B, Skin Sens. 1A, Eye Dam. 1, Resp. Sens. 1,	H302, H314, H317, H318, H334, H372 - -	-

## SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
			STOT RE 1		
(2-methoxymethylethoxy) propanol	34590-94-8 252-104-2 - -	≤0.1%	-	- - -	-
1-methoxy-2-propanol; mono-propylene glycol methyl ether	107-98-2 203-539-1 01-2119457435-35 603-064-00-3	≤0.1%	Flam. Liq. 3, STOT SE 3 - narcosis	H226, H336 - -	-

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

**Inhalation**

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

If respiratory problems, artificial respiration/oxygen. Get medical attention.

**Skin contact**

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Rinse cautiously with water for several minutes.

Get medical attention promptly if symptoms occur after washing.

**Eye contact**

Immediately flush with plenty of water or eyewash solution for up to 10 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Get medical attention immediately. Continue to rinse.

**Ingestion**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.

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

Causes damage to organs (hearing organs) through prolonged or repeated exposure. Suspected of damaging the unborn child.

**Inhalation**

Harmful if inhaled.

**Skin contact**

May cause an allergic skin reaction.

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### **Eye contact**

Causes serious eye irritation.

### **Ingestion**

Harmful if swallowed.

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

Treat symptomatically.

### **Other**

#### **Information to rescue personnel**

Use personal protective equipment as required.

## SECTION 5: Firefighting measures

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

#### **Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

### **5.2. Special hazards arising from the substance or mixture**

Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

Hazardous combustion products: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire. Cool containers exposed to flames with water until well after the fire is out.

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

For personal protection, see section 8.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Do not smoke or use open fire, or other sources of ignition.

Provide adequate ventilation.

Evacuate area.

### **6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground.

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### 6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers.

Keep combustibles away from spilled material.

Remove sources of ignition. Beware of the explosion danger.

### 6.4. Reference to other sections

See section 7.

For personal protection, see section 8.

See section 12.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Preventive handling precautions

Ground container and transfer equipment to eliminate static electric sparks.

Flammable/combustible - Keep away from oxidisers, heat and flames.

Keep away from heat, sparks and open flame.

Avoid spilling, skin and eye contact.

Avoid inhalation of vapours and spray mists.

Do not use in confined spaces without adequate ventilation and/or respirator.

Avoid eating, drinking and smoking when using the product.

#### General hygiene

Private clothes and working clothes should be kept separately.

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

Store in closed original container at temperatures between 5°C and 30°C. Store in a well-ventilated place.

Keep away from heat, sparks and open flame.

Avoid contact with oxidising agents.

Store isolated from reducing agents.

### 7.3. Specific end use(s)

Do not handle until all safety precautions have been read and understood.

## SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

*National occupational exposure limits*

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	Source	Remark	Year
styrene	100-42-5 202-851-5	100 430	250 1080	EH40/2005	-	-
phthalic anhydride	85-44-9 201-607-5	- 4	- 12	EH40/2005	Sen	-
ethanediol; ethylene glycol	107-21-1 203-473-3	- 10	- -	EH40/2005	particulate; Sk	-
ethanediol; ethylene glycol	107-21-1 203-473-3	20 52	40 104	EH40/2005	vapour; Sk	-
Maleic anhydride	108-31-6 203-571-6	- 1	- 3	EH40/2005	Sen	-
(2-methoxymethylethoxy) propanol	34590-94-8 252-104-2	50 308	- -	EH40/2005	Sk	-
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2 203-539-1	100 375	150 560	EH40/2005	Sk	-
Cobalt bis(2-ethylhexanoate)	136-52-7 205-250-6	- 0.1	- -	EH40/2005	Cobalt and Cobalt compounds (as Co); Carc (cobalt dichloride and sulphate), Sen	-

*DNEL/DMEL*

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
styrene (100-42-5/202-851-5)	DNEL	Acute (short term) Inhalation	289 mg/m <sup>3</sup>	Workers	Systemic
styrene (100-42-5/202-851-5)	DNEL	Acute (short term) Inhalation	306 mg/m <sup>3</sup>	Workers	Local
styrene (100-42-5/202-851-5)	DNEL	Chronic (long term) Dermal	406 mg/kg bw/day	Workers	Systemic
styrene (100-42-5/202-851-5)	DNEL	Chronic (long term) Inhalation	85 mg/m <sup>3</sup>	Workers	Systemic
styrene (100-42-5/202-851-5)	DNEL	Acute (short term) Inhalation	174.25 mg/m <sup>3</sup>	Consumers	Systemic
styrene (100-42-5/202-851-5)	DNEL	Acute (short term) Inhalation	182.75 mg/m <sup>3</sup>	Consumers	Local

## SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
styrene (100-42-5/202-851-5)	DNEL	Chronic (long term) Dermal	343 mg/kg bw/day	Consumers	Systemic
styrene (100-42-5/202-851-5)	DNEL	Chronic (long term) Inhalation	10.2 mg/m <sup>3</sup>	Consumers	Systemic
styrene (100-42-5/202-851-5)	DNEL	Chronic (long term) Oral	2.1 mg/kg bw/day	Consumers	Systemic
Silica, amorphous, fumed, crystalline-free (112945-52-5/231-545-4)	DNEL	Chronic (long term) Inhalation	4 mg/m <sup>3</sup>	Workers	Systemic
Maleic anhydride (108-31-6/203-571-6)	DNEL	Chronic (long term) Inhalation	0.2 mg/m <sup>3</sup>	Workers	Systemic
Cobolt bis(2-ethylhexanoate) (136-52-7/205-250-6)	DNEL	Chronic (long term) Oral	55.8 µg/kg bw/day	Consumers	Systemic
Cobolt bis(2-ethylhexanoate) (136-52-7/205-250-6)	DNEL	Chronic (long term) Inhalation	235 µg/m <sup>3</sup>	Workers	Local
Cobolt bis(2-ethylhexanoate) (136-52-7/205-250-6)	DNEL	Chronic (long term) Inhalation	37 µg/m <sup>3</sup>	Consumers	Local

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
styrene (100-42-5/202-851-5)	PNEC	Freshwater	0.028 mg/l
styrene (100-42-5/202-851-5)	PNEC	Marine water	0.0028 mg/l
styrene (100-42-5/202-851-5)	PNEC	Sediment (freshwater)	0.614 mg/kg
styrene (100-42-5/202-851-5)	PNEC	Sediment (marine water)	0.0614 mg/kg
styrene (100-42-5/202-851-5)	PNEC	Soil	0.2 mg/kg
styrene (100-42-5/202-851-5)	PNEC	Sewage Treatment Plant	5 mg/l
Silica, amorphous, fumed, crystalline-free (112945-52-5/231-545-4)	PNEC	Oral (Secondary Poisoning)	60000 mg/kg
Maleic anhydride (108-31-6/203-571-6)	PNEC	Sediment (freshwater)	0.03 mg/kg dwt
Cobolt bis(2-ethylhexanoate) (136-52-7/205-250-6)	PNEC	Freshwater	0.51 µg/l
Cobolt bis(2-ethylhexanoate)	PNEC	Marine water	2.36 µg/l

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
(136-52-7/205-250-6)			
Cobolt bis(2-ethylhexanoate) (136-52-7/205-250-6)	PNEC	Sediment	9.5 mg/kg
Cobolt bis(2-ethylhexanoate) (136-52-7/205-250-6)	PNEC	Soil	7.9 mg/kg
Cobolt bis(2-ethylhexanoate) (136-52-7/205-250-6)	PNEC	Sewage Treatment Plant	0.37 mg/l

### 8.2. Exposure controls

#### **Appropriate engineering controls**

Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust.

Explosion-proof general and local exhaust ventilation.

Provide eyewash, quick drench.

#### **Personal Protective Equipment Symbols**



#### **Eye / face protection**

Wear approved, tight fitting safety glasses where splashing is probable.

Do not wear contact lenses.

#### **Hand protection**

Wear protective gloves.

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

#### **Other skin protection**

Anti-static boots.

#### **Respiratory protection**

At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.

#### **Environmental exposure controls**

See section 6.

### Other

If medical advice is needed, have product container or label at hand.

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### **Physical state**

Liquid

##### **Colour**

Blue.

##### **Odour**

Solvent.

##### **Odour threshold**

0,15 ppm

##### **Method**

Test reference: Styrene

##### **Melting point / freezing point**

No data available

##### **Boiling point or initial boiling point and boiling range**

No data available

##### **Flammability**

No data available

##### **Lower and upper explosion limit**

No data available

##### **Flash point**

31 °C

##### **Method**

CC (Closed cup).

##### **Auto-ignition temperature**

490 °C

##### **Method**

Test reference: Styrene

##### **Decomposition temperature**

No data available

##### **pH**

No data available

##### **Kinematic viscosity**

> 0,4 cm<sup>2</sup>/s; 40 °C

##### **Viscosity, dynamic**

1100 - 1300 mPa.s; 23 °C

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### **Solubility**

No data available

### **Water solubility**

Insoluble in water.

### **Partition coefficient n-octanol/water**

3

### **Method**

Test reference: Styrene

### **Vapour pressure**

6.7 hPa

### **Method**

Test reference: Styrene

### **Density and/or relative density**

No data available

### **Relative density**

1.1 - 1.2

### **Relative vapour density**

No data available

### **Evaporation Rate**

0,49 (BuAc = 1)

### **Particle characteristics**

No data available

## 9.2. Other information

No data available

### Other

Vapour density: 1.08 - 1.12 g/cm<sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Heating may cause a fire.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

In use may form flammable/explosive vapour-air mixture.

# SAFETY DATA SHEET

<b>Version number:</b>	40
<b>Issued:</b>	2022-12-13
<b>Replaces SDS:</b>	2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.  
 Keep cool. Protect from sunlight.  
 Take precautionary measures against static discharges.

### 10.5. Incompatible materials

Avoid contact with oxidising agents.  
 Strong reducing agents.  
 Inorganic peroxides.  
 Organic peroxides/hydroperoxides.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Harmful if inhaled. Harmful if swallowed.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
styrene 100-42-5 / 202-851-5	LD50	2650 mg/kg	Oral	-	Rat	-	-
styrene 100-42-5 / 202-851-5	LC50	2770 ppm	Inhalation.	4 hours	Rat	-	Vapour
styrene 100-42-5 / 202-851-5	LC50	11800 ppm	Inhalation.	4 hours	Rat	-	Vapour
styrene 100-42-5 / 202-851-5	NOAEL	615 mg/kg	Dermal	-	Rat	-	-
styrene 100-42-5 / 202-851-5	NOAEL	20 ppm	Inhalation.	-	Rat	-	Gas.
phthalic anhydride 85-44-9 / 201-607-5	LD50	1530 mg/kg	Oral	-	Rat	-	-
phthalic anhydride 85-44-9 / 201-	NOAEL	500 mg/kg	Oral	-	Rat	-	-

## SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

**FIBERFIX Polyesterplast**

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
607-5							
Cobolt bis(2-ethylhexanoate) 136-52-7 / 205-250-6	LD50	3129 mg/kg	Oral	-	Rat	OECD 425	-
-	ATE	29,56 mg/l	Inhalation.	-	-	-	Vapour
-	ATE	6939,5 ppm	Inhalation.	-	-	-	gas

**Skin corrosion/irritation**

Causes skin irritation.

Product / Substance name CAS / EC no.	Result	Value / Dose	Species
styrene 100-42-5 / 202-851-5	Slightly irritating.	500 mg	Rabbit
styrene 100-42-5 / 202-851-5	Moderately Irritating.	100%	Rabbit

**Serious eye damage/irritation**

Causes serious eye irritation.

Product / Substance name CAS / EC no.	Result	Value / Dose	Duration of exposure	Species
styrene 100-42-5 / 202-851-5	Slightly irritating.	50 ppm	-	Human
styrene 100-42-5 / 202-851-5	Moderately Irritating.	100 mg	24 hours	Rabbit
styrene 100-42-5 / 202-851-5	Strongly irritating.	100 mg	-	Rabbit

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

Respiratory sensitisation: May cause allergic contact eczema.

## SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

**FIBERFIX Polyesterplast**

Product / Substance name CAS / EC no.	Result	Species
phthalic anhydride 85-44-9 / 201-607-5	allergenic	Guinea Pig

**Germ cell mutagenicity**

Inconclusive data.

Product / Substance name CAS / EC no.	Result	Species	Method / Guideline
phthalic anhydride 85-44-9 / 201-607-5	Negative.	mammals	OECD 479 Genetic Toxicology

**Carcinogenicity**

Not entered.

Inconclusive data.

**Repeated dose toxicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Suspected of damaging fertility. Suspected of damaging the unborn child.

Known or suspected teratogen.

**STOT-single exposure**

May cause respiratory irritation.

**STOT-repeated exposure**

Causes damage to organs (central nervous system) through prolonged or repeated exposure.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Toxicity in case of inhalation**

General respiratory distress, unproductive cough.

**Toxicity in case of skin contact**

Skin irritation.

Allergic rash.

**Toxicity in case of eye contact**

Irritation of eyes and mucous membranes.

**Toxicity in case of ingestion**

However, ingestion may cause nausea, stomach pain and vomiting.

## SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

## 11.2. Information on other hazards

**Endocrine disrupting properties**

No information available.

## SECTION 12: Ecological information

## 12.1. Toxicity

**Acute toxicity**

Harmful to aquatic life with long lasting effects.

**Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Remark
styrene 100-42-5 / 202-851-5	LC50	4020 µg/l	96 hours	Pimephales promelas (Fat-head Minnow)	Freshwater

**Acute algae toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
styrene 100-42-5 / 202-851-5	EC50	33 mg/l	96 hours	Pseudokirchneriella subcapitata	-	Freshwater
phthalic anhydride 85-44-9 / 201-607-5	LCLo	> 100 mg/l	72 hours	Algae	NOEC	-

**Chronical toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
styrene 100-42-5 / 202-851-5	NOEC	1,01 mg/l	21 days	Daphnia magna

## 12.2. Persistence and degradability

The product is readily biodegradable.

## SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

**FIBERFIX Polyesterplast****12.3. Bioaccumulative potential****Bioaccumulative potential**

Product / Substance name CAS / EC no.	Bioconcentration factor (BCF)	Result
styrene 100-42-5 / 202-851-5	13.39	Low
phthalic anhydride 85-44-9 / 201-607-5	3.4	Low

**12.4. Mobility in soil****Mobility**

Product / Substance name CAS / EC no.	KOC
styrene 100-42-5 / 202-851-5	2.55

**12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6. Endocrine disrupting properties**

No information available.

**12.7. Other adverse effects****Other adverse effects**

None known.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal considerations**

Dispose of waste and residues in accordance with local authority requirements.

Make sure containers are empty before discarding (explosion risk).

Waste is classified as hazardous waste.

**Other**

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### SECTION 14: Transport information

#### 14.1. UN number

1866

#### 14.2. UN proper shipping name

**ADR / RID / ADN proper shipping name**

RESIN SOLUTION, flammable

**IMDG proper shipping name**

RESIN SOLUTION, flammable

**IATA proper shipping name**

Resin solution flammable

#### 14.3. Transport hazard class(es)

**Label**

ADR/RID/ADN



3

IMDG



3

IATA



3

**ADR / RID Class**

3

**ADR / RID Classification code**

F1

**ADR / RID hazard identification number**

30

**IMDG Class**

3

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### **IATA Class**

3

### **ADN Class**

3

### **ADN Class Code**

F1

#### **14.4. Packing group**

ADR / RID / ADN: III

IMDG: III

IATA: III

#### **14.5. Environmental hazards**

##### **Environmental hazards**

No.

##### **IMDG Marine Pollutant**

No.

#### **14.6. Special precautions for user**

##### **Special precautions for user**

Tunnel restriction code: D/E

Transport category: 3

##### **IMDG EmS**

F-E, S-E

#### **14.7. Maritime transport in bulk according to IMO instruments**

No.

IBC Instruction: IBC03

#### **Other**

##### **Additional information ADR-RID**

Limited quantity 5 L

Special provisions: 640E

##### **Additional information IMDG**

Special provisions: 223, 955

##### **Additional information IATA (ICAO)**

Limited quantity

Passenger and cargo aircraft: 60 L

Packaging instruction : 355.

Cargo aircraft only. 220 L.

Limited quantity - Passenger aircraft: : 10 L.

Packaging instruction : Y344.

Special provisions: A3

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### SECTION 15: Regulatory information

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

##### EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.  
SEVESO-category: P5c

##### National regulations

No data available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

##### Changes to previous revision

changed substances in 3.2

changed H-phrases and P-phrases

updated according to EU 2020/878

# SAFETY DATA SHEET

Version number: 40

Issued: 2022-12-13

Replaces SDS: 2016-05-06

According to Regulation (EC) No 1907/2006

## FIBERFIX Polyesterplast

### **Phrase meaning**

Flam. Liq. 3 - Flammable liquids, hazard category 3  
Skin Irrit. 2 - Skin irritation, hazard category 2  
Skin Sens. 1 - Skin sensitisation, hazard category 1  
Eye Irrit. 2 - Eye irritation, hazard category 2  
Acute Tox. 4 - inhalation - Acute toxicity, inhalation, hazard category 4  
STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation  
Repr. 2 - Reproductive toxicity, hazard category 2  
STOT RE 1 - Specific Target Organ Toxicity — Repeated exposure, hazard category 1  
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3  
Asp. Tox. 1 - Aspiration hazard, hazard category 1  
Aquatic Chronic 4 - Hazardous to the aquatic environment — Chronic hazard category 4  
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
Eye Dam. 1 - Serious eye damage, hazard category 1  
Resp. Sens. 1 - Respiratory sensitisation, hazard category 1  
Skin Corr. 1B - Skin corrosion, hazard category 1B  
Skin Sens. 1A - Skin sensitisation, hazard category 1, sub-category 1A  
STOT SE 3 - narcosis - Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis  
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1  
Repr. 1B - Reproductive toxicity, hazard category 1B  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H360Fd May damage fertility. Suspected of damaging the unborn child  
H361d Suspected of damaging the unborn child.  
H372 Causes damage to organs through prolonged or repeated exposure .  
H372 Causes damage to organs through prolonged or repeated exposure .?  
H400 Very toxic to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.  
H413 May cause long lasting harmful effects to aquatic life.