SAFETY DATA SHEET

FIBERFIX Vaxlösning _EN

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	06.05.2016
Revision date	13.12.2022

1.1. Product identifier

Product name	FIBERFIX Vaxlösning _EN
UFI	EY60-WH7U-6E97-24U6
Synonyms	Wax solution
Article no.	9072

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

Use of the substance / mixture	For the preparation of paints and as a solvent.
Relevant identified uses	SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites SU12 Manufacture of plastics products, including compounding and conversion SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC32 Polymer preparations and compounds PROC8a Transfer of substance or mixture (charging and discharging) at nondedicated facilities PROC3 Use in closed batch process (synthesis or formulation) PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC10 Roller application or brushing PROC13 Treatment of articles by dipping and pouring PROC14 Production of preparations or articles by tabletting, compression, extrusion, pelletisation PROC15 Use as laboratory reagent PROC11 Non-industrial spraying

	PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities PROC7 Industrial spraying
Industrial use	Yes
Professional use	Yes
Consumer use	Yes

1.3. Details of the supplier of the safety data sheet

Distributor

Company name	Färg-In AB
Postal address	Bodalsvägen 6
Postcode	SE-681 43
City	Kristinehamn
Country	SWEDEN
Telephone number	+46 55010045
Fax	+46 55081001
Email	info@fargin.se
Website	www.fargin.se
Enterprise No.	SE-556187-9387
Contact person	Johan Thynell

1.4. Emergency telephone number

Emergency telephone	Telephone number: See National Thelephone Number (112) Description: Poison control center

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Asp. Tox. 1; H304 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 Repr. 2; H361d STOT RE 1; H372 Flam. Liq. 3; H226
In compliance with ATP nr.	CLP14- 2020/217

2.2. Label elements

Hazard pictograms (CLP)

Composition on the label	Styren, Xylene, Ethylbenzene, Toluene
Signal word	Danger
Hazard statements	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H361d Suspected of damaging the unborn child. H372 Causes damage to organs through prolonged or repeated exposure H226 Flammable liquid and vapour.
Precautionary statements	P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking. P243 Take action to prevent static discharge. P260 Do not breathe dust / fume / gas / mist / vapours / spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician. P501 Dispose of contents / container to approved waste receiver

2.3. Other hazards

PBT / vPvB	The product does not contain any PBT or vPvB substances.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Styren	CAS No.: 100-42-5 EC No.: 202-851-5 Index No.: 601-026-00-0 REACH Reg. No.: 01-2119457861-32	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 Repr. 2; H361d STOT RE 1; H372	70 - 90 %	
Xylene	CAS No.: 1330-20-7 EC No.: 215-535-7 Index No.: 601-022-00-9 REACH Reg. No.: 01-2119488216-32	Flam. Liq. 3; H226; Acute tox. 4; H332; Acute tox. 4; H312; Skin Irrit. 2; H315; CLP classification, notes: C	10 - 20 %	
Paraffin waxes and Hydrocarbon waxes	CAS No.: 8002-74-2 REACH Reg. No.: 01-2119488076-30	CLP classification, notes: Not classified	< 6 %	
Ethylbenzene	CAS No.: 100-41-4 EC No.: 202-849-4 Index No.: 601-023-00-4 REACH Reg. No.: 01-2119489370-35	Flam. Liq. 2; H225; Acute tox. 4; H332; STOT RE 2; H373; Asp. tox. 1; H304;	1 - 5 %	

Toluene	CAS No.: 108-88-3 EC No.: 203-625-9 Index No.: 601-021-00-3 REACH Reg. No.: 01-2119471310-51	Flam. Liq. 2; H225; Repr. 2; H361d; Asp. tox. 1; H304; STOT RE 2; H373; Skin Irrit. 2; H315; STOT SE 3; H336;	< 1 %

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Place unconscious person on the side in the recovery position and ensure breathing. If respiratory problems, artificial respiration/oxygen. Keep the affected person warm and at rest. Get prompt medical attention.
Skin contact	Wash skin with soap and water. Remove contaminated clothing and launder thoroughly before re-use. Contact physician if irritation persists.
Eye contact	Rinse thoroughly with plenty of water, including under the eyelids. Keep the eye wide open during the rinse. Contact a doctor if symptoms persist.
Ingestion	DO NOT induce vomiting. Get medical attention immediately. Never give liquid to an unconscious person.

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

General symptoms and effects	May be fatal if inhaled or swallowed. Harmful if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage.

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

Medical treatment	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Foam, carbon dioxide or dry powder.
Improper 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

Fire and explosion hazards	The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back. In case of fire, toxic gases may be formed.

5.3. Advice for firefighters

Fire fighting procedures	Self contained breathing apparatus and full protective clothing must be worn in

case of fire.
Containers close to fire should be removed or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	For personal protection, see section 8. Do not smoke or use open fire, or other sources of ignition. Warn everybody of potential hazards and evacuate if necessary. If leakage cannot be stopped, evacuate area. Do not breathe vapour. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautionary measures	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.

6.3. Methods and material for containment and cleaning up

Cleaning method	Cover large spillages with foam. Keep combustibles away from spilled material. Remove sources of ignition. Beware of the explosion danger. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Other instructions	See section 12.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Avoid spilling, skin and eye contact. Change contaminated clothing. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Avoid inhalation of aerosols. Flammable/combustible - Keep away from oxidisers, heat and flames. Keep away from heat, sparks and open flame. Risk of vapour concentration on the floor and in low-lying areas. Storage tanks and other containers must be grounded. Use non sparking handtools and explosion-proof electric equipment.

Protective safety measures

Advice on general occupational hygiene	Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

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

Protect against direct sunlight.
Store in closed original container at temperatures between 5°C and 30°C.

7.3. Specific end use(s)

Specific use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Styren	CAS No.: 100-42-5	Limit value (8 h) : 100 ppm Limit value (8 h) : 430 mg/m³ **Limit value (short term)** Value: 250 ppm **Limit value (short term)** Value: 1080 mg/m³	TWA Year: 2011
Xylene	CAS No.: 1330-20-7	Limit value (8 h) : 50 ppm Limit value (8 h) : 220 mg/m³ **Limit value (short term)** Value: 100 ppm **Limit value (short term)** Value: 441 mg/m³ **Exposure limit letter** Letter code: Sk	
Paraffin waxes and Hydrocarbon waxes	CAS No.: 8002-74-2	Limit value type: TWA Limit value (8 h) : 2 mg/m³ **Limit value (short term)** Value: 6 mg/m³	
Ethylbenzene	CAS No.: 100-41-4	Limit value (8 h) : 100 ppm Limit value (8 h) : 441 mg/m³ **Limit value (short term)** Value: 125 ppm **Limit value (short term)** Value: 552 mg/m³ **Exposure limit letter** Letter code: Sk	
Toluene	CAS No.: 108-88-3	Limit value (8 h) : 50 ppm Limit value (8 h) : 191 mg/m³ **Limit value (short term)** Value: 100 ppm **Limit value (short term)** Value: 384 mg/m³ **Exposure limit letter** Letter code: Sk	

DNEL / PNEC

Substance Styren

DNEL	**Group:** Industrial **Route of exposure:** Acute inhalation (systemic) **Value:** 289 **Group:** Industrial **Route of exposure:** Acute inhalation (local) **Value:** 306 mg/m³ **Group:** Industrial **Route of exposure:** Long-term dermal (systemic) **Value:** 406 **Group:** Industrial **Route of exposure:** Long-term inhalation (systemic) **Value:** 85 mg/m³ **Group:** Consumer **Route of exposure:** Acute inhalation (systemic) **Value:** 174,25 mg/m³ **Group:** Consumer **Route of exposure:** Acute inhalation (local) **Value:** 182,75 mg/m³ **Group:** Consumer **Route of exposure:** Long-term dermal (systemic) **Value:** 343 **Group:** Consumer **Route of exposure:** Long-term inhalation (systemic) **Value:** 10,2 mg/m³ **Group:** Consumer **Route of exposure:** Long-term oral (systemic) **Value:** 2,1
PNEC	**Route of exposure:** Freshwater **Value:** 0,028 mg/l **Route of exposure:** Saltwater **Value:** 0,0028 mg/l **Route of exposure:** Freshwater sediments **Value:** 0,614 mg/kg **Route of exposure:** Saltwater sediments **Value:** 0,0614 mg/kg **Route of exposure:** Soil **Value:** 0,2 mg/kg **Route of exposure:** Sewage treatment plant STP **Value:** 5 mg/l

8.2. Exposure controls

Limitation of exposure on workplace	Provide adequate ventilation, including appropriate local extraction, to ensure

	that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

Safety signs

Eye / face protection

Eye protection	Wear splash-proof eye goggles to prevent any possibility of eye contact.
Additional eye protection measures	Do not wear contact lenses.

Hand protection

Hand protection	Chemical resistant gloves required for prolonged or repeated contact. If signs of wear and tear are noticed then the gloves should be replaced. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Skin protection

Skin protection (except hands)	Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection

Respiratory protection	At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Respiratory protection must be used if air contamination exceeds acceptable level.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	White.
Odour	Pungent.
Odour limit	Comments: 0,15 ppm (styren)
Freezing point	Value: -30 - -54 °C
Boiling point / boiling range	Value: 137 °C
Flash point	Value: 24 °C Method: ISO 1523
Evaporation rate	Value: 0,49 - 0,86 Test reference: (BuAc = 1)
Lower explosion limit with unit of measurement	Value: 1,0 %

Upper explosion limit with units of measurement	Value: 6,6 %
Vapour pressure	Value: 6,7 - 12 hPa, 20 °C
Vapour density	Value: 3,6 - 3,66 Test reference: (luft = 1)
Relative density	Value: 0,89 - 0,92 Temperature: 23 °C
Solubility description	Insoluble in water.
Partition coefficient: n-octanol/ water	Value: 3
Auto-ignition temperature	Value: 490 °C

9.2. Other information

9.2.2. Other safety characteristics

Evaporation rate	0,49 - 0,86 (BuAc = 1)

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Heating may cause a fire.

10.2. Chemical stability

Stability	Stable under normal temperature conditions. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	In use, flammable/explosive vapor-air mixtures may form. Polymerization can occur, generating heat.

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Take precautionary measures against static discharge.

10.5. Incompatible materials

Materials to avoid	Strong acids. Strong oxidising substances. Inorganic peroxides. Organic peroxides/hydroperoxides. Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	Hydrocarbons. Carbon monoxide (CO). Carbon dioxide (CO_2). 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

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: 5000 mg/kg
Species: Rat
Comments: (styren)

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: > 2000 mg/kg
Species: Rat
Comments: (styren)

Type of toxicity: Acute
Effect tested: LC50
Route of exposure: Inhalation.
Duration: 4 h
Value: 11,8 mg/l
Species: Rat
Comments: (styren)

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: 4820 mg/kg
Species: Rat
Comments: (xylen)

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: 4300 mg/kg
Species: Rat
Comments: (xylen)

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: > 1700 mg/kg
Species: Rabbit
Comments: (xylen)

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: > 2000 mg/kg
Species: Rabbit
Comments: (xylen)

Other information regarding health hazards

Inhalation

May be fatal if inhaled.

	Harmful by inhalation. In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.
Skin contact	Irritating.
Eye contact	Irritating.
Ingestion	May be fatal if swallowed. Harmful: may cause lung damage if swallowed. Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
Skin corrosion / irritation, other information	Not Irritating.
Sensitisation	Non-allergenic
Assessment of germ cell mutagenicity, classification	Inconclusive data.
Assessment of carcinogenicity, classification	Inconclusive data.
Reproductive toxicity, human experience	Contains a substance/a group of substances with possible risk of harm to the unborn child and with possible risk of impaired fertility.
Assessment of reproductive toxicity, classification	Inconclusive data.
Other adverse toxicological effects	Chapter 3.1, in GHS-document: ATEmix (oral) 4808 mg/kg ATEmix (dermal) 1996 mg/kg ATEmix (inandning - ånga) 12 mg/l.

11.2 Other information

Endocrine disruption	No information available.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic, fish LCLo	Value: 2,66 - 780 mg/L Species: 96 h Method: Pimephales promelas, et al Test reference: LC50 Evaluation: Styren: 3,24-95,32. Xylen: 2,66-780.
Aquatic toxicity, algae	Value: 0,46 - 11 mg/L Test duration: 72 h Species: Pseudokirchneriella subcapitata

	Method: EC50 Test reference: Styren: 0,46-4,3. Xylen: 11.
Aquatic toxicity, crustacean	Value: 3,3 - 7,4 mg/L Test duration: 48 h Species: Daphnia magna Method: EC50 Test reference: Styren: 3,3-7,4. Xylen: no data.
Ecotoxicity	The product is harmful to aquatic organisms. The product may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	All organic components are considered biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Bioconcentration factor (BCF)	Value: 25 - 74 Comments: Styren: BCF = 74. Log Kow = 2,95. Xylen: BCF = 25,9 (56d). Log Kow = 2,77-3,15.

12.4. Mobility in soil

Mobility	LogKoc: 2,55 (Styren)

12.5. Results of PBT and vPvB assessment

PBT assessment results	This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties	No information available.

12.7. Other adverse effects

Other adverse effects, comments	No information.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dispose of waste and residues in accordance with local authority requirements.
Other information	Waste is classified as hazardous waste.

SECTION 14: Transport information

Dangerous goods	Yes

14.1. UN number

ADR/RID/ADN	1993
IMDG	1993
ICAO/IATA	1993

14.2. UN proper shipping name

Technical name/Danger releasing substance English ADR/RID/ADN	Styren, Xylen
ADR/RID/ADN	FLAMMABLE LIQUID, N.O.S.
IMDG	FLAMMABLE LIQUID, N.O.S.
Technical name/danger releasing substance IMDG	Styren, Xylen
ICAO/IATA	FLAMMABLE LIQUID, N.O.S.
Technical name/danger releasing substance ICAO/IATA	Styren, Xylen

14.3. Transport hazard class(es)

ADR/RID/ADN	3
IMDG	3
ICAO/IATA	3

14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

IMDG Marine pollutant	No

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Additional information

Additional information	Classification code F1

ADR/RID Other information

Tunnel restriction code	D/E
Limited quantity	5 L
Hazard No.	30
Other applicable information ADR/RID	30

ADN Other information

Additional information ADN	Ventilation: VE01
Limited quantity	5 L

IMDG Other information

EmS	F-E, S-E
Limited quantity	5 L

ICAO/IATA Other information

Limited quantity	10 L
Additional information ICAO/IATA	ERG-kod: 3 L

SECTION 15: Regulatory information

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

References (laws/regulations)	(EG) nr 1907/2006 (REACH). (EG) nr 1272/2008 (CLP). . EH40/2005, Workplace exposure limits 2005, with amendments.

15.2. Chemical safety assessment

Chemical safety assessment performed	Yes
Exposure scenarios for mixture	Yes

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H372 Causes damage to organs through prolonged or repeated exposure H373 May cause damage to organs through prolonged or repeated exposure
Information added, deleted or revised	2022-12-13: * changed H- and P-phrases in 2.2, * changed substances in 3.2, * updated according to EU 2020/878 . 2021-05-31: * Changed H- and P-phrases in 2.2,

	* Changed composition in 3.2, * UFI in 1.1.
Checking quality of information	This information is based on the information we knew at the time of preparation and they have been given in good faith and provided that the product is used under normal conditions and in accordance with the specified conditions of use. Any other use of the date indicated, eventually together with other products or processes, is at your own risk.
Version	16