SAFETY DATA SHEET

FIBERFIX Gelcoat – alla kulörer _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	26.05.2016
Revision date	29.05.2023

1.1. Product identifier

Product name	FIBERFIX Gelcoat – alla kulörer _EN
UFI	KS60-VHV1-KE97-RFP2
Synonyms	FIBERFIX Gelcoat - all colours
Article no.	5xxxx

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

Use of the substance / mixture	Gelcoat
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 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) PROC7 Industrial spraying PROC8a Transfer of substance or mixture (charging and discharging) at nondedicated facilities PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC10 Roller application or brushing PROC11 Non-industrial spraying PROC15 Use as laboratory reagent
Uses advised against	No information is available.

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]	Skin Irrit. 2; H315 Resp. Sens. 1; H317 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Acute Tox. 4; H332 Repr. 2; H361d STOT RE 1; H372 Aquatic Chronic 3; H412 EUH 211
In compliance with ATP nr.	CLP14- 2020/217

2.2. Label elements

Hazard pictograms (CLP)

Composition on the label	Styren, Titanium dioxide, Cobolt bis(2-ethylhexanoate)
Signal word	Danger
Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H226 Flammable liquid and vapour. H332 Harmful if inhaled. H361d Suspected of damaging the unborn child. H372 Causes damage to organs on hearing through prolonged or repeated exposure by inhalation. H412 Harmful to aquatic life with long lasting effects. EUH 211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Precautionary statements	P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking. P260 Do not breathe dust / fume / gas / mist / vapours / spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P370+P378 In case of fire: Use dry sand, extinguishing powder or alcohol resistant foam to extinguish. 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.
Other hazards	No information.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Composition type: Mixture

Substance	Identification	Classification	Contents	Notes
Styren	CAS No.: 100-42-5 EC No.: 202-851-5 Index No.: 601-026-00-0	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 Repr. 2; H361d STOT RE 1; H372	31 - 42 %	
Titanium dioxide	CAS No.: 13463-67-7 REACH Reg. No.: 01-2119489379-17	Carc. 2; H351 EUH 211 CLP classification, notes: Note 10: The classification as a carcinogen by inhalation applies only to mixtures	< 15 %	

		in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm. N o t e W : It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.	
Aluminium hydroxide	CAS No.: 21645-51-2 REACH Reg. No.: 01-2119529246-39	CLP classification, notes: Not classified	< 5 %
Silica, amorphous, fumed, crystalline-free	CAS No.: 112945-52-5 REACH Reg. No.: 01-2119379499-16	CLP classification, notes: Not classified	< 3 %
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	CAS No.: 64742-82-1 EC No.: 919-446-0 REACH Reg. No.: 01-2119458049-33	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336 STOT RE 1; H372 Aquatic Chronic 2; H411 EUH 066	< 1 %
Cobolt bis(2-ethylhexanoate)	CAS No.: 136-52-7 EC No.: 205-250-6 REACH Reg. No.: 01-2119524678-29	Skin Sens. 1A; H317 Eye Irrit. 2; H319 Repr. 1B; H360Fd Aquatic Acute 1; H400; M-factor M=1 Aquatic Chronic 3; H412	0,1 < 0,3 %
Maleic anhydride	CAS No.: 108-31-6 EC No.: 203-571-6 Index No.: 607-096-00-9	Acute Tox. 4; H302 STOT RE 1; H372 Skin Corr. 1B; H314 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1A; H317	0,0001 < 0,001
Substance comments	The full text for all hazard statements is displayed in section 16.		

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Provide rest, warmth and fresh air. If respiratory problems, artificial respiration/oxygen. Get immediate medical advice/attention.
Skin contact	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. If skin irritation or rash occurs: Get medical advice/ attention.
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. Never give liquid to an unconscious person. Get immediate medical advice/attention.

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

Acute symptoms and effects	Irritating to eyes, respiratory system and skin. Harmful by inhalation, in contact with skin and if swallowed. May cause an allergic skin reaction

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. Dry chemicals, sand, dolomite etc.
Improper extinguishing media	Water with full jet.

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. In case of fire, toxic gases may be formed. Vapours are heavier than air and may spread near ground to sources of ignition.

5.3. Advice for firefighters

Fire fighting procedures	Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	For personal protection, see section 8. Provide adequate ventilation. Beware of vapors accumulating to form explosive concentrations.

Wash thoroughly after dealing with a spillage.

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:
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

Other instructions: See section 12.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling:
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.
Risk of vapour concentration on the floor and in low-lying areas.
Avoid spilling, skin and eye contact.
Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Storage:
Flammable liquid storage.
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
Titanium dioxide	CAS No.: 13463-67-7	Limit value type: TWA Limit value (8 h) : 10 mg/m³	TWA Year: 1990

		Comments: Refers to dust content	
Aluminium hydroxide	CAS No.: 21645-51-2	Limit value type: TWA Limit value (8 h) : 10 mg/m³ Comments: Inhalable dust	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	CAS No.: 64742-82-1	Limit value type: TWA Limit value (8 h) : 500 mg/m³ Comments: Approximately, for White spirit, with 2-25% aromatics	
Cobolt bis(2-ethylhexanoate)	CAS No.: 136-52-7	Limit value (8 h) : 0,1 mg/m³ **Exposure limit letter** Letter description: Carc (cobalt dichloride and sulphate) , Sen.	TWA Year: 2005
Maleic anhydride	CAS No.: 108-31-6	Limit value (8 h) : 1 mg/m³ **Limit value (short term)** Value: 3 mg/m³ **Exposure limit letter** Letter code: Sen	

DNEL / PNEC

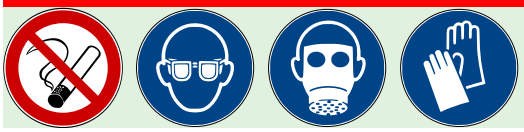
Substance	Styren
DNEL	**Group:** Industrial **Route of exposure:** Acute inhalation (systemic) **Value:** 289 **Group:** Industrial **Route of exposure:** Acute inhalation (local) **Value:** 306 mg/m³ **Group:** Industrial **Route of exposure:** Long-term dermal (systemic) **Value:** 406 **Group:** Industrial **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
Substance	Cobolt bis(2-ethylhexanoate)
DNEL	**Group:** Consumer **Route of exposure:** Long-term oral (systemic) **Value:** 55,8 µg/kg bw/day **Group:** Industrial **Route of exposure:** Long-term inhalation (local) **Value:** 235 µg/m³ **Group:** Consumer **Route of exposure:** Long-term inhalation (local) **Value:** 37 µg/m³
PNEC	**Route of exposure:** Freshwater **Value:** 0,51 µg/l **Reference:** (information refers to Cobalt) **Route of exposure:** Saltwater **Value:** 2,36 µg/l **Reference:** (information refers to Cobalt) **Route of exposure:** Sediment **Value:** 9,5 mg/kg **Reference:** (information refers to Cobalt) **Route of exposure:** Soil **Value:** 7,9 mg/kg **Reference:** (information refers to Cobalt) **Route of exposure:** Sewage treatment plant STP **Value:** 0,37 mg/l **Reference:** (information refers to Cobalt)

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. Provide eyewash station.

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	Use protective gloves made of: Nitrilgummi, Viton, PVC (polyvinylclorid) 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)	Impervious clothing

Respiratory protection

Respiratory protection	At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Use respiratory equipment with combination filter, type A2/P3.

Hygiene / environmental

Specific hygiene measures	When using do not eat, drink or smoke.

Other information

Other information	Provide shower facilities near the work place.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Varying.
Odour	Solvent. Pungent.
Odour limit	Value: 0,2 ppm Test reference: (styren)
pH	Status: In delivery state

	Comments: Not relevant.
Melting point / melting range	Value: -30 °C Method: (styren)
Boiling point / boiling range	Value: 145 °C Test reference: (styren)
Flash point	Value: 31 °C Method: (closed cup)
Evaporation rate	Value: 0,49 Test reference: (BuAc = 1) (Styren)
Lower explosion limit with unit of measurement	Value: 1,1 % Test reference: (styren)
Upper explosion limit with units of measurement	Value: 6,1 % Test reference: (styren)
Vapour pressure	Value: 6,7 hPa Test reference: (styren) Temperature: 20 °C
Vapour density	Value: 3,6 hPa Test reference: (styren) Reference gas: (Air = 1)
Relative density	Value: 1,10 - 1,50 Method: 23 °C
Solubility description	Insoluble in water.
Partition coefficient: n-octanol/ water	Value: 3
Auto-ignition temperature	Value: 490 °C Method: (styren)
Decomposition temperature	Comments: No information.
Viscosity	Value: 17500 - 23000 mPa.s Method: Brookfield Testmetod Temperature: 23 °C

9.2. Other information

9.2.2. Other safety characteristics

Comments	No information.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The product can ignite and burn at temperatures above the flash point.

10.2. Chemical stability

Stability	Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	In use, flammable/explosive vapor-air mixtures may form.

10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight. Take precautionary measures against static discharge.

10.5. Incompatible materials

Materials to avoid	Strong oxidising substances. Strong acids. Metal salts. Polymeriseringsindikator. Copper. Copper alloys. Brass.

10.6. Hazardous decomposition products

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

Other information regarding health hazards

General	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Oral	LD50 = 5000 mg/kg (Rat) 5046 mg/kg (ATEmix value)
Dermal	LD50 > 2000 mg/kg (Rat) 2020 mg/kg (ATEmix value)
Inhalation of vapor	LC50 = 11.8 mg/l (4h) (Rat) 11.9 mg/l (ATEmix value)
Inhalation	Harmful by inhalation. In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.
Skin contact	Irriterar huden. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
Eye contact	Irritating.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea. Harmful: possible risk of irreversible effects if swallowed.
Assessment of skin corrosion / irritation, classification	Not relevant.
Irritation	Causes skin irritation.
Sensitisation	May cause an allergic skin reaction.
Mutagenicity	Inconclusive data.
Assessment of germ cell mutagenicity, classification	Inconclusive data.

Carcinogenicity, other information	There is no convincing evidence that styrene has significant potential for cancer in humans.
Assessment of carcinogenicity, classification	Inconclusive data.
Teratogenic properties	Suspected of damaging the unborn child
STOT-repeated exposure	In humans, styrene may cause transient decrease in color discrimination and affect hearing. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of styrene. Styrene may cause damage to the liver, eyes, brain, respiratory system and central nervous system during prolonged or repeated exposure through inhalation.

11.2 Other information

Endocrine disruption	No data.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity, fish	Value: 3,24 - 4,99 mg/L Test duration: 96h Species: Pimephales promelas Method: LC50 Test reference: flow-through (styren) Comments: LC50 = 58,75-95,32 mg/L, Poecilia reticulata, 96 h, static (styren).
Aquatic toxicity, algae	Value: 0,46 - 4,3 mg/L Test duration: 72h Species: Pseudokirchneriella subcapitata Method: EC50 Test reference: (styren) Comments: EC50 = 0.639 mg/L (Kobolt bis (2-etylhexanoat)
Aquatic toxicity, crustacean	Value: 3,3 - 7,4 mg/L Test duration: 48h Species: Daphnia magna Method: EC50 Test reference: (styren)
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	Easily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation: Is not expected to be bioaccumulable.
Bioconcentration factor (BCF)	Value: 74 Test reference: Styren

Comments: Log Pow: 3

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 data.

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.
Product classified as hazardous waste	Yes
Other information	When handling waste, consideration should be made to the safety precautions applying to handling of the product.

SECTION 14: Transport information

Dangerous goods	Yes

14.1. UN number

ADR/RID/ADN	1866
IMDG	1866
ICAO/IATA	1866
Comments	ADR/RID Exception: This material meets the viscosity criteria specified in ADR/RID 2.2.3.1.5 and may be classed as "not dangerous" when packaged in containers of less than 450 litres. IMDG Exception: This material meets the viscosity criteria specified in IMDG Code 2.3.2.5 and may be exempt from the marking, labelling and package testing requirements if transported in containers of 450 litres or less.

14.2. UN proper shipping name

ADR/RID/ADN	RESIN SOLUTION
IMDG	RESIN SOLUTION
ICAO/IATA	RESIN SOLUTION

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

ADR/RID/ADN	No
ADN	No
IMDG	No
IMDG Marine pollutant	No
ICAO/IATA	No

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

ADR/RID Other information

Tunnel restriction code	D/E
Hazard No.	30
Other applicable information ADR/RID	Classification code F1.

IMDG Other information

EmS	F-E, S-E

ICAO/IATA Other information

Limited quantity	10 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 (Fourth Edition, published 2020)

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)	EUH 066 Repeated exposure may cause skin dryness or cracking. EUH 211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. 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. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer . 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 H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Information added, deleted or revised	2022-12-13: * changed substances in 3.2, * updated according to EU 2020/878. . 2021-05-31: * Changed P-phrases in 2.2. * 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	4