

SAFETY DATA SHEET

FIBERFIX Epoxihärdare 43 Medium _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 | 15.05.2016 |
| Revision date | 13.12.2022 |

1.1. Product identifier

| | |
|--------------|-------------------------------------|
| Product name | FIBERFIX Epoxihärdare 43 Medium _EN |
| UFI | 2EP1-R6W2-X99T-421X |
| Synonyms | Epoxy Hardener 43 Medium |
| Article no. | 2101 |

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

| | |
|--------------------------------|---------------------------|
| Use of the substance / mixture | Hardener for epoxy resin. |
| 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 Telephone 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] | Acute Tox. 4; H302 |
| | Skin Corr. 1B; H314 |
| | Skin Sens. 1; H317 |
| | Aquatic Chronic 3; H412 |
| In compliance with ATP nr. | CLP14- 2020/217 |

2.2. Label elements

Hazard pictograms (CLP)



| | |
|--------------------------|--|
| Composition on the label | Reaction products of di-, tri-, and tetra-propoxylated propane-1,2-diol with ammonia, m-phenylenebis(methylamine), 1,6-Hexanediamine, 2,2,4(or 2,4, 4)-trimethyl-, Triethanolamine, 2-Piperazin-1-ylethylamine, Ethylenediamine |
| Signal word | Danger |
| Hazard statements | H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. |
| Precautionary statements | P260 Do not breathe dust / fume / gas / mist / vapours / spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower. P308+P313 IF exposed or concerned: Get medical advice / attention. 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 | Contains no substances which cause hormonal disorders (endocrine disorders), according to criteria in (EU) 2017/2100 and (EU) 2018/605. |

SECTION 3: Composition / information on ingredients

3.2. Mixtures

| Substance | Identification | Classification | Contents | Notes |
|--|---|--|-----------|-------|
| Reaction products of di-, tri-, and tetra-propoxylated propane-1,2-diol with ammonia | CAS No.: 9046-10-0 | Acute Tox. 4; H302,H312 Skin Corr. 1B; H314 Aquatic Chronic 3; H412 Eye Dam. 1; H318 | 30 - 50 % | |
| Phenol, styrenated | CAS No.: 61788-44-1 EC No.: 262-975-0 | Aquatic Chronic 2; H411 | 10 - 20 % | |
| m-phenylenebis(methylamine) | CAS No.: 1477-55-0 | Acute tox. 4; H302 Skin Corr 1B; H314 Skin Sens. 1; H317 Acute tox. 3; H331 Aquatic Chronic 3; H412 | 5 - 15 % | |
| 1,6-Hexanediamine, 2,2,4(or 2, 4,4) -trimethyl- | CAS No.: 25513-64-8 EC No.: 247-063-2 | Acute Tox. 4; H302 Skin Corr. 1A; H314 Skin Sens. 1A; H317 Aquatic Chronic 3; H412 | 5 - 15 % | |
| Phenol, methylstyrenated | CAS No.: 68512-30-1 EC No.: 270-966-8 | Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 3; H412 | 5 - 15 % | |
| Salicylic acid | CAS No.: 69-72-7 EC No.: 200-712-3 Index No.: 607-732-00-5 | Repr. 2; H361d Acute Tox. 4; H302 Eye Dam. 1; H318 | ≤ 5 % | |
| Triethanolamine | CAS No.: 102-71-6 | | ≤ 2 % | |
| 2-Piperazin-1-ylethylamine | CAS No.: 140-31-8 EC No.: 205-411-0 Index No.: 612-105-00-4 | Acute tox. 4; H312; Acute tox. 4; H302; Skin Corr. 1B; H314; Skin Sens. 1; H317; Aquatic Chronic 3; H412; | ≤ 1 % | |
| Ethylenediamine | CAS No.: 107-15-3 EC No.: 203-468-6 Index No.: 612-006-00-6 | Flam. Liq. 3; H226; Acute tox. 4; H312; Acute tox. 4; H302; Skin Corr. 1B; H314; Resp. Sens. 1; H334; Skin Sens. 1; H317; | ≤ 1 % | |
| Substance comments | Ethylenediamine is a candidate substance (SVHC list). | | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| General | Contact physician if discomfort continues. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! |
| Inhalation | Remove victim immediately from source of exposure. Get medical attention. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Immediately call an ambulance. |
| Skin contact | Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention. |
| Eye contact | Promptly wash eyes with plenty of water while lifting the eye lids. Important! Immediately rinse with water for 15-30 minutes. Immediately call a POISON CENTER or doctor/physician. |

| | |
|-----------|---|
| Ingestion | DO NOT induce vomiting. Get medical attention immediately. Immediately call a POISON CENTER or doctor/physician. |
|-----------|---|

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

| | |
|----------------------------|--|
| Acute symptoms and effects | Harmful if swallowed or inhaled. Causes serious eye damage. Strongly corrosive. Kan förårsage allergisk hudreaktion. |
|----------------------------|--|

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 | When heated and in case of fire, toxic vapours/gases may be formed. |
|----------------------------|---|

5.3. Advice for firefighters

| | |
|--------------------------|---|
| Fire fighting procedures | Use air-supplied respirator, gloves and protective goggles. |
|--------------------------|---|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------------------|---|
| Personal protection measures | Avoid breathing dust / fume / gas / mist / vapours / spray. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. |
|------------------------------|---|

6.2. Environmental precautions

| | |
|--------------------------------------|--|
| Environmental precautionary measures | Avoid discharge into drains, water courses or onto the ground. 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. For waste disposal, see section 13. |
|-----------------|--|

6.4. Reference to other sections

| | |
|--------------------|-----------------------------|
| Other instructions | See also section 7, 8 & 13. |
|--------------------|-----------------------------|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

Avoid inhalation of vapours/spray and contact with skin and eyes.
Immediately change contaminated clothes.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Store in closed original container in a dry place.
Store at room temperature.
Protect from heat and direct sunlight.
Protect from moisture.
Store locked up.

7.3. Specific end use(s)

Recommendations

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

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

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.

Safety signs



Eye / face protection

Eye protection

Wear tight-fitting goggles or face shield.

Hand protection

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.

Skin protection

Skin protection (except hands)

Wear suitable protective clothing as protection against splashing or contamination.

Respiratory protection

Respiratory protection

Chemical respirator with organic vapour cartridge.

Tasks needing respiratory protection

In case of inadequate ventilation use suitable respirator.
Respiratory protection must be used if air contamination exceeds acceptable level.

Thermal hazards

| | |
|-----------------|--------------|
| Thermal hazards | Not entered. |
|-----------------|--------------|

Appropriate environmental exposure control

| | |
|---|-----------------|
| Environmental exposure controls, comments | See section 6.2 |
|---|-----------------|

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------|--|
| Physical state | Fluid. |
| Colour | Brown. |
| Colour intensity | Translucent. |
| Odour | Amine. |
| pH | Status: In delivery state Value: 11 |
| Boiling point / boiling range | Value: 232 °C |
| Vapour pressure | Value: 4 hPa Temperature: 20 °C |
| Relative density | Value: 1 Method: Enhed: g/cm3 |

9.2. Other information

9.2.2. Other safety characteristics

| | |
|----------|-----------------|
| Comments | No information. |
|----------|-----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------|-----------------|
| Reactivity | No information. |
|------------|-----------------|

10.2. Chemical stability

| | |
|-----------|---|
| Stability | Stable under normal temperature conditions and recommended use. |
|-----------|---|

10.3. Possibility of hazardous reactions

| | |
|------------------------------------|-----------------|
| Possibility of hazardous reactions | No information. |
|------------------------------------|-----------------|

10.4. Conditions to avoid

| | |
|---------------------|---|
| Conditions to avoid | Keep cool. Protect from sunlight. Avoid heat, flames and other sources of ignition. Avoid frost. |
|---------------------|---|

10.5. Incompatible materials

| | |
|--------------------|---|
| Materials to avoid | Avoid bases, strong acids and oxidizing agents. |
|--------------------|---|

10.6. Hazardous decomposition products

| | |
|----------------------------------|--|
| Hazardous decomposition products | None at ambient temperatures. During fire, toxic gases (CO, CO ₂) are formed. |
|----------------------------------|--|

SECTION 11: Toxicological information

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

Other information regarding health hazards

| | |
|---|---|
| Inhalation | Harmful if inhaled. |
| Skin contact | Acts corrosive. Prolonged contact causes serious skin damage. May cause an allergic skin reaction. |
| Eye contact | Corrosive. Immediate first aid is necessary. |
| Ingestion | May cause chemical burns in mouth, oesophagus and stomach. |
| Sensitisation | Pulmonary sensitiser. May cause an allergic skin reaction. |
| Germ cell mutagenicity, human experience | Classification criteria on the basis of the available data are not met |
| Carcinogenicity, other information | Classification criteria on the basis of the available data are not met |
| Reproductive toxicity | Classification criteria on the basis of the available data are not met. |
| Specific target organ toxicity - single exposure, other information | Classification criteria on the basis of the available data are not met. |
| Specific target organ toxicity - repeated exposure, other information | Classification criteria on the basis of the available data are not met. |
| Aspiration hazard, comments | Classification criteria on the basis of the available data are not met. |

11.2 Other information

| | |
|----------------------|---|
| Endocrine disruption | Contains no substances which cause hormonal disorders (endocrine disorders), according to criteria in (EU) 2017/2100 and (EU) 2018/605. |
|----------------------|---|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|------------------------|---|
| Aquatic toxicity, fish | Comments: Not entered. |
| 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 | No information. |
|--|-----------------|

12.3. Bioaccumulative potential

Bioaccumulation, comments No information.

12.4. Mobility in soil

Mobility No information.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties Contains no substances which cause hormonal disorders (endocrine disorders), according to criteria in (EU) 2017/2100 and (EU) 2018/605.

12.7. Other adverse effects

Additional ecological information None.

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

SECTION 14: Transport information

Dangerous goods Yes

14.1. UN number

ADR/RID/ADN 2735

IMDG 2735

ICAO/IATA 2735

14.2. UN proper shipping name

ADR/RID/ADN AMINES, LIQUID, CORROSIVE, N.O.S.

IMDG AMINES, LIQUID, CORROSIVE, N.O.S.

ICAO/IATA AMINES, LIQUID, CORROSIVE, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN 8

IMDG 8

ICAO/IATA 8

14.4. Packing group

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

14.5. Environmental hazards

| | |
|----------|---|
| Comments | Harmful long-term effects on aquatic organisms. |
|----------|---|

14.6. Special precautions for user

| | |
|-------------------------------------|-----------------------|
| Special safety precautions for user | See sections 4 and 8. |
|-------------------------------------|-----------------------|

14.7. Maritime transport in bulk according to IMO instruments

| | |
|----------------------------|----|
| Transport in bulk (yes/no) | No |
|----------------------------|----|

ADR/RID Other information

| | |
|--|------------------------|
| Hazard No. | 80 |
| Other applicable information ADR/ RID | Classification code C7 |

IMDG Other information

| | |
|-----------------------------|----------|
| Additional information IMDG | MFAG 320 |
| EmS | F-A, S-B |

ICAO/IATA Other information

| | |
|--------------------------|------------------------------------|
| Other transport, general | Packaging instruction 852 and 856. |
|--------------------------|------------------------------------|

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 | No |
|--------------------------------------|----|

SECTION 16: Other information

| | |
|--|--|
| List of relevant H-phrases (Section 2 and 3) | H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. |
|--|--|

| | |
|---------------------------------------|---|
| | <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H331 Toxic if inhaled.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H361d Suspected of damaging the unborn child.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> |
| Information added, deleted or revised | <p>2022-12-13:</p> <ul style="list-style-type: none">* no changed substances in 3.2,* updated according to EU 2020/878. <p>.</p> <p>2022-06-21:</p> <p>Updated due to changed substances.</p> |
| Checking quality of information | <p>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.</p> |
| Version | 2 |