

Fastfix-it Enterprise Co., Ltd.

3F.,NO.296, QINGHAI RD., GUSHAN DIST.,
KAOHSIUNG CITY 804, TAIWAN
Tel: 886-7-3756058 Fax: 886-7-3756091

Safety Data Sheet

1. Identification of the Preparation and the Company

Product Name: Injection Cartridge FX-E400/FX-EP5 (585)
Typical application: Heavy duty anchoring free of expansion pressure
Company Name: Fastfix-it Enterprise Co., Ltd
No. 47-1, Lane 199, Renxin Road, Renwu District
Kaohsiung 81460, Taiwan
Telephone/Fax: 886-7-3756058 / 886-7-3756091
E-mail address: sales@fastfix-it.com

2. Composition on Ingredients

Component A:

Chemical characterization: Epoxy resins

Dangerous components:

Cement, portland, chemicals | CAS NO: 65997-15-1 | 20- <40% | R38-41
Epoxy resin | CAS NO: 25068-38-6 | <54% | R36/38-43-51/53
↑ Glycidyl ethers of bisphenol A resins (average molecular weight <700)
Hydrophilic fumed silica(SiO₂) | CAS NO: 112945-52-5 | <20% | R20

Component B:

Chemical characterization: Polyamines with inorganic fillers

Dangerous components:

Magnesium Silica | CAS NO: 1343-88-0 | 10% | R20/22,R34, R51/53
Silica | CAS NO: 60676-86-0 | 40% | R20/22,R34, R51/53
Polyaminoamide | CAS NO: 68082-29-1 | 50% | Xi;R38,R41. N;R51/53. R43

3. Hazards Identification

Xi Irritant
N Dangerous for the environment
C Corrosive
Xn Harmful

Information particular dangers for man and environment

Warning! Irritant: Product contains chemicals known to cause skin and eye irritation and may cause sensitization by skin

GHS Classification: Skin corrosion/irritation, Category 2

Serious eye damage/irritation, Category 2

Skin sensitisation, Category 1

Acute aquatic toxicity, Category 3

GHS Label Elements

Signal Word: Warning

R20/22

R36/38

R41

R43

R51/53

R52/53

R62



GHS 07

Harmful by inhalation and if swallowed

Irritating to eyes and skin

Risk of serious damage to eyes.

May cause sensitiveness by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in aquatic environment.

Harmful to aquatic organisms, any cause long-term adverse effects in the aquatic environment.

Possible risk of impaired fertility.

4. First Aid Measures

General information: Remove contaminated, saturated clothing immediately.
Skin contact: Remove contaminated clothing immediately. Wash contaminated areas with plenty of water and soap and rinse with water.
Do not use any solvent. Seek medical attention if irritation develops or persists.
Eye contact: Flush with plenty of water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. If swallowed, drink plenty of water. Seek medical attention immediately.

5. Fire Fighting Measures

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Suitable extinguishing Media: Foam, water spray, carbon dioxide, dry power extinguisher.

Not suitable extinguishing Media: Water applied with full jet.

Exposure hazards: Avoid breathing vapors and fumes. Toxic fumes formed during decomposition (carbon oxides) may cause severe health hazard. Contact with combustible material may cause fire.

Special protective equipment: Use breathing apparatus with independent air supply.

Other information: Remove product off fire area Contaminated firefighting water must not be discharged into the drainage system.

6. Accidental Release Measures

Personal protection: Ensure adequate ventilation. Keep away sources of ignition. Use personal protective equipment.

Environmental protection: Do not allow to enter into soil/subsoil.

Do not allow to enter drains/surface water/groundwater.

7. Handling & Storage

Handling: Provide good ventilation of the workroom. Keep work clothes separate. Avoid contact with skin or eyes. Do not breath. Keep away from heat source of ignition as well as from open fire.

Storage: Store in dry and cool conditions away from direct sunlight or strong oxidizers.

Keep in the original package at temperature 5 to 25°C.

8. Exposure Control / Personal Protection

Protective provisions: Provide good ventilation of the workroom.

Personal protective Respiratory protection: Wear suitable respiratory apparatus.

Equipment: Hand protection: Wear rubber or plastic coated gloves, however due to its concept of packaging, the material unmixed should not be in contact with skin.

Eyes protection: Safety glasses/goggles or face shield advised, particularly when work overhead.

Skin protection: Wear suitable protective clothing. Wash hand after each work period and before eating.

9. Physical & Chemical Properties

Appearance: Putty

Color: Resin: White(Red); Hardener: Black(White)

Odor: Low

Viscosity (25°C) 100~120 Pa.s (Part A+B mixed)

Density: 1.60~1.65 (part A+B mixed)

PH: Not Applicable

Water: Insoluble

Flash point: Not applicable

10. Stability & Reactivity

Condition to avoid: No decomposition if used as prescribed.

Material to avoid: Dangerous reactions with isocyanate, anhydrides, acids, oxidizing agents.

Hazardous decomposition products: Nitrogen oxides(NOx).

11. Toxicological Information

Irritant effects: On contact with the skin or respiratory organs irritation is possible.

California Prop 65: Silica, . Talc, not containing asbestiform fibers.

Reproduction Toxicity: Not available

Teratogenicity: Not available

Mutagenicity: Not available

Synergistic Products: Not available

Diglycidyl ether of bisphenol A:

Ingestion: The oral LD50 for rats is 11.4 g/kg.

Skin: Severe irritant, Rabbit: 24 hours 2 Milligrams

2,4,6-Tri (dimethylaminomethyl) phenol:

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Ingestion: The oral LD50 for rats is 1200 mg/kg.

Skin: The dermal LD50 for rats is 1280 mg/kg.

Skin: Severe irritant, Rat: 0.25 Milliliters

12. Ecological Information

Ecological effects: Toxic respectively harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecotoxicity

Chemical name:

Bisphenol-A-Epichlorhydrine resin <= 700 MW, CAS NO: 25068-38-6

Algae/aquatic plants: EC50 (72h) = 9.4 mg/L (Scenedesmus capricornutum) EPA-660/3-75-009

Fish: 1.2 mg/l 96Hr (Oncorhynchus mykiss)

Toxicity to microorganisms: -

Crustacea: 2.7 mg/l 48hr Daphia Magna

Polyaminoamide CAS NO: 68082-29-1

Algae/aquatic plants: EC50(72h) = 4.34 mg/l (Pseudokirchneriella subcapitata)

Fish: 7.07 mg/l 96Hr (Danio rerio)

Toxicity to microorganisms: -

Crustacea: 7.07 mg/l 48hr Daphia Magna

Persistence and degradability: No information available.

Bioaccumulative potential

Bioaccumulation: There is no data for this product.

Component Information

Bisphenol-A-Epichlorhydrine resin <= 700 MW, CAS NO: 25068-38-6

Partition coefficient: 3.26

Bioconcentration factor (BCF): 31

PBT and vPvB assessment: The components in this formulation do not meet the criteria for classification as PBT or vPvB.

13. Disposal Considerations

Product Packaging: Can be incinerated in compliance with local regulations. Contaminated packaging material should be disposed as identically to the product itself. Non contaminated packaging material should be treated as household waste or as recycling material.
Cured material may be considered insert and disposed of as builders waste.

14. Transport Informations

Classification:

Land transport ADR/RID/GGVS/GGVE: Not considered as dangerous goods.

Inland navigation AND/ADNR: Not considered as dangerous good

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Transport by sea IMDG/GGVSea: Not considered as dangerous good

Air transport ICAO/IATA: Not considered as dangerous good

DECLARATION FOR SHIPMENT BY AIR : - - -

• **OTHER INFORMATION** : Not dangerous cargo • Keep dry •
Won't cause marine pollution.

15. Regulatory Information

Component A:	Classification according to EC Council Directives 1999/45/EG
Symbol:	Xi
Classification:	N-Dangerous for the environment
Dangerous components:	Bisphenol-A-Epichlorhydrine resin, CAS NO: 25068-38-6
R-Phrases:	
R36/38:	Irritating to eyes and skin.
R41:	Risk of serious damage to eyes.
R43:	May cause sensitisation by skin contact
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-Phrases:	
S1/2:	Keep locked up and out of the reach of children.
S24:	Avoid contact with skin.
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29/35	Do not empty into drains, dispose of this material and its container in a safe way.
S37/39:	wear suitable gloves and eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.
S61:	Avoid release to the environment. Refer to special instructions/safety data sheets.
Component B:	Classification according to EC Council Directives 1999/45/EG
Symbol:	Xi
Classification:	N-Dangerous for the environment
Dangerous components:	Polyaminoamide CAS NO: 68082-29-1
R-Phrases:	
R38:	Irritating to eyes and skin.
R41:	Risk of serious damage to eyes.
R43:	May cause sensitisation by skin contact
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-Phrases:	
S1/2:	Keep locked up and out of the reach of children.
S24:	Avoid contact with skin.
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39:	Wear suitable protective clothing, gloves and eye/face protection.
S45:	In case of accident or if you feel unwell, seek medical advice immediately.
S61:	Avoid release to the environment. Refer to special instructions/safety data sheets.

16. Other Information

Recommended use:	Refer to the current technical data sheet.
Further information:	This product must be handled only by personal well informed of safety conditions. The above information is based on our present knowledge, and is intended to describe the product in terms of health & safety requirements only. No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from tries. Use of information of this since the customer's treatment of product is necessarily out of our control. The data given above is based upon products is terms of their safety requirements. It does not guarantee the properties of the products described.

Date Prepared:

2021-AUG

Prepare by:

Technical Service Department