

## Vetro Power Fibre Protect Coating With Cross Linking Agent

### MATERIAL SAFETY DATA SHEET (MSDS)

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

##### 1.1. PRODUCT IDENTIFIER

Product name : Vetro Power Fibre Protect Coating With Cross Linking Agent  
Product code : -

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

Identified Uses: Textile auxiliary

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

**ZYAX Chem PVT. LTD.,**  
3rd Floor, Kamer Building,  
38 Cawasji Patel Street, Fort,  
Mumbai - 400001, India.  
Contact No: +91 8779240420  
info@zyax.in - www.zyax.in

##### 1.4. Emergency telephone number

Emergency number : +91 8779240420

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

According to Regulation (EC) No 1272/2008, this mixture is not classified as hazardous.

##### 2.2 LABEL ELEMENTS

No data available.

##### 2.2 OTHER HAZARDS

No information available.

#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation:** Blocked polyisocyanate

**Hazardous Component:** Quaternary ammonium compounds, (hydrogenated tallow alkyl) bis(hydroxyethyl)methyl, ethoxylated, chlorides

**CAS No:** 68187-69-9

**Content:** 1 to 5 per cent

**Classification:**

Skin Irritation Category 2 H315

Eye Irritation Category 2 H319

Aquatic Chronic Category 3 H412

For the complete wording of hazard statements, see Section 16.

This product does not contain substances of very great concern under REACH Article 57 above the permitted concentration limits.



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### SECTION 4: FIRST AID MEASURES

#### 4.1 DESCRIPTION OF FIRST AID MEASURES

**After inhalation:** Ensure supply of fresh air.

**After skin contact:** Wash thoroughly with plenty of water. Remove contaminated clothing and wash before reuse.

**After eye contact:** Immediately rinse carefully and thoroughly using an eye bath or clean water.

**After ingestion:** Rinse the mouth immediately and drink one glass of water.

#### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available.

#### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Provide symptomatic treatment.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 EXTINGUISHING MEDIA

Select fire extinguishing methods appropriate to the surrounding fire conditions.

#### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

The product is not flammable.

#### 5.3 ADVICE FOR FIREFIGHTERS

Wear a self-contained breathing apparatus in case of fire.

Collect contaminated extinguishing water separately and prevent it from entering drains or surface waters.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use suitable personal protective equipment.

#### 6.2 ENVIRONMENTAL PRECAUTIONS

Prevent entry into surface water or drainage systems.

#### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Absorb with liquid-binding materials such as sand, diatomaceous earth, or universal binders. Dispose of recovered material according to Section 13.

#### 6.3 REFERENCE TO OTHER SECTIONS

See Section 7 for safe handling.

See Section 8 for personal protective equipment.

See Section 13 for disposal instructions.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

No specific handling measures are required.  
No special precautions for fire or explosion protection are necessary.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

No specific joint storage requirements apply. Keep the container tightly closed. Store in a cool and dry location. Protect from heat exposure.

### 7.3 SPECIFIC END USES

No additional information available.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

No national occupational exposure limit values are currently established.

### 8.2 EXPOSURE CONTROLS

Remove contaminated clothing. Wash your hands before breaks and after finishing work. Do not eat, drink, smoke, or inhale vapours during use.

**Eye Protection:** Use eye or face protection.

**Hand Protection:** Wear chemical-resistant protective gloves bearing the CE mark with four control digits. Selection of gloves must consider workplace conditions, concentration, and quantity of hazardous substances. Consult the glove supplier to confirm chemical resistance for the intended application.

**Skin Protection:** Wear protective clothing.

**Respiratory Protection:** Use respiratory protection if ventilation is insufficient.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Liquid

**Colour:** White to beige

**Odour:** Characteristic

**pH value:** 4.0 to 6.5 undiluted

**Melting point:** Not determined

**Initial boiling point:** 100 °C

**Flash point:** Above 100 °C

The product is not explosive.

**Lower and upper explosion limits:** Not determined

**Auto-ignition temperature:** Not applicable

**Decomposition temperature:** Not determined

**Oxidising properties:** Not oxidising



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**Vapour pressure:** Not determined

**Density:** 1.04 g/cm<sup>3</sup>

**Water solubility:** Completely miscible

**Solubility in other solvents:** Not determined

**Partition coefficient:** Not determined

**Dynamic viscosity:** 1 to 10 mPa·s

**Vapour density:** Not determined

**Evaporation rate:** Not determined

### 9.2 OTHER INFORMATION

**Solid content:** Not determined

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

No hazardous reactions are expected when handled and stored as directed.

### 10.2 CHEMICAL STABILITY

Stable under normal ambient storage conditions.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No known hazardous reactions.

### 10.4 CONDITIONS TO AVOID

No specific conditions identified.

### 10.5 INCOMPATIBLE MATERIALS

No data available.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No hazardous decomposition products are known.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity:** Greater than 5000 mg/kg OECD 401

**Skin and Eye Irritation:** Slightly irritating to skin and eyes

**Sensitisation:** Classification criteria not met based on available data

**Carcinogenicity, Mutagenicity, Reproductive Toxicity:** Classification criteria not met

**STOT Single Exposure:** Classification criteria not met

**STOT Repeated Exposure:** Classification criteria not met

**Aspiration Hazard:** Classification criteria not met

The mixture is not classified as hazardous under Regulation (EC) No 1272/2008 CLP.



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### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 TOXICITY

Fish LC50 10 to 100 mg/l OECD 203  
Bacteria EC50 greater than 100 mg/l OECD 209

#### 12.2 PERSISTENCE AND DEGRADABILITY

More than 70 per cent OECD 302B  
Expected to be removed by adsorption to sewage sludge

#### 12.3 BIOACCUMULATIVE POTENTIAL

No evidence of bioaccumulation.

#### 12.4 MOBILITY IN SOIL

Not tested.

#### 12.5 RESULTS OF PBT AND VPVB ASSESSMENT

Not tested.  
Chemical Oxygen Demand 520 mg/g  
Biochemical Oxygen Demand 10 mg/g  
MBAS 0 mg/g  
BiAS 0 mg/g  
AOX 0.00 per cent

#### 12.6 OTHER ADVERSE EFFECTS

Prevent release into surface water, drains, or soil.

### SECTION 13: DISPOSAL CONSIDERATIONS

Do not discharge into surface water, drainage systems, or soil. Dispose of waste in accordance with applicable legislation.

Clean, uncontaminated packaging may be recycled. Contaminated packaging should be treated in the

### SECTION 14: TRANSPORT INFORMATION

This product is not classified as dangerous under ADR, RID, ADN, IMDG, or IATA transport regulations.

UN Number: Not applicable

Proper Shipping Name: Not applicable

Transport Hazard Class: Not applicable

Packing Group: Not applicable

Not environmentally hazardous for transport purposes.

Transport in bulk under MARPOL Annex II and IBC Code: Not applicable

### SECTION 15: REGULATORY INFORMATION

#### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS



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Not subject to Directive 2012/18/EU SEVESO III.  
Water hazard class Germany: 2, clearly hazardous to water.

### 15.2 CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been performed for substances within this mixture.

### SECTION 16: OTHER INFORMATION

This safety data sheet includes revisions in Sections 2 through 16 compared to the previous version.

Relevant Hazard Statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long-lasting effects.

The information provided reflects the current level of knowledge and does not constitute a guarantee of product properties nor establish a contractual legal relationship. The recipient is responsible for compliance with applicable laws and regulations.

Data for hazardous ingredients were obtained from the most recent safety data sheet provided by the supplier.