

# SAFETY DATA SHEET

## EPX-100 Epoxy

### Part B

**Hazardous Substance, NON-Dangerous Goods**

#### Section 1: Identification

<b>Product Identifier</b>	Epoxy Resin Part B Trade name: <b>EPX-100 Epoxy Part B</b>
<b>Recommended Use</b>	Hardener component (Part B) of EPX-100 Epoxy solvent free two component Epoxy Resin system.
<b>Details of supplier of the SDS</b>	Concrete Chemical Company Suite 1005 4/16 Beenleigh Redland Bay Rd Loganholme Q 4127 <b>Contact Person</b> Scott Swift, Managing Director  <b>24/7 Emergency</b> 1300 792 207  <b>Email</b> sales@concretechemical.co

#### Section 2: Hazard Identification

**2.1 Classification of the substance or mixture** Classified as hazardous to the criteria of GHS

**2.3 Hazard Statements**

H290 May be corrosive to metals  
H302 Harmful if swallowed  
H314 Causes severe skin burns  
H317 May cause allergic skin reaction  
H318 Causes serious eye damage  
H332 Harmful if inhaled  
H412 Harmful to aquatic life



**Precautionary Statement – Prevention**

P234 Keep in prescribed container  
P260 Do not breathe vapour or fumes  
P271 Use in well ventilated area  
P264 Wash arms, hands and face after handling  
P272 Contaminated clothing should not be allowed out of the workplace  
P273 Avoid release into the environment  
P280 Wear gloves and eye protection

**Precautionary Statement – Response**

P301+P330+P331 If swallowed: Rinse mouth, do not induce vomiting. Seek medical advice.  
P303+P361+P353 If skin contact occurs wash with plenty of water. If irritation or rashes occur seek medical attention.  
P310 If ingested: Call a Poisons Centre for advice  
P362 Take off contaminated clothing and wash before use  
P501 Dispose of contents in accordance with local and state regulations

#### Section 3: Composition of Substance or Mixture

Chemical Name	CAS Number	Percentage
Diammine	2855-13-2	Over 90%
Ingredients not considered harmful	-	Balance

#### Section 4: First Aid Measures

**4.1 General First Aid Information**

**Eye Contact**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. May cause irritation, redness, pain and tearing. If symptoms persist, a sensible precaution is to seek medical attention.

**Inhalation**

If breathing becomes uncomfortable remove to fresh air. If problems persist seek medical advice. Corrosive fumes may cause lung damage.

**Skin Contact**

Material is corrosive and can cause skin burns. Gloves, arm and leg coverings are advised. Should skin contact occur wash with plenty of soap and water. Material is sticky so may take some time to wash off. In the event of rash or irritation seek medical advice.

**Ingestion**

Wash mouth with plenty of water. Remove any false teeth. DO NOT INDUCE VOMITING UNLESS DIRECTED BY MEDICAL CONTACT. Seek medical advice or the Poisons Information centre

**Advice to Doctor**

Treat symptomatically. **Positions Information Centre Australia 131 126.**

**4.2 Symptoms Caused by Exposure****Short Term (Acute)**

Eye Contact	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Skin Contact	May cause allergic reaction and burns
Ingestion	May cause burning of throat and oesophagus

**Over Exposure/Delayed**

Eye Contact	Burns and eye damage
Inhalation	Potential for lung oedema as corrosive
Skin Contact	Irritation and eye damage can occur
Ingestion	Poisonous and strongly alkaline. Can cause throat and digestive system damage.

**4.3 Indication to Doctor**

Treat symptomatically. Contact poisons specialist if large quantities ingested. Quote UN number 2735.

**Section 5: Fire-Fighting Measures****5.1 Extinguishing Media**

Foam, dry chemical, water mist. Do not use water jet.

**5.2 Special Hazards from Substance**

Firefighting water should not be drained into waterway or sewer. Decomposition products can include Carbon Dioxide, Nitrogen Oxides and Carbon Monoxide.

**5.3 Advice to Firefighters**

Wear SCBA and protective equipment.

**Section 6: Accidental Release Measures****6.1 Personal Precautions, Protective Equipment (PPE) and Emergency Procedures**

Wear protective gloves and eye protection.

**6.2 Clean-up and Containment Methods**

Collect liquid with absorbent or sand. Place in sealed bin. Dispose of waste in accordance with local and state regulations. Small spillage is generally suitable for landfill if in sealed containers.

**Section 7: Handling and Storage****7.1 Precautions for Safe Handling**

The epoxy hardener is corrosive. For open containers gloves should be worn as well as goggles and arm and leg covering. Maintain high standards of hygiene. As with all chemicals wash hands after use. Avoid contact with eyes, skin and mouth. Avoid contact with clothing. Contaminated clothing should be disposed of.

**7.2 Conditions for Safe Storage**

Store between 2 and 40 deg C. Keep away from direct sunlight. Keep away from food and drink. Carefully reseal any part container. Avoid storage near strong acids, bleaches and oxidising agents. Avoid contact with Aluminum and Copper and their alloys.

Storage Class: 8

**Section 8: Exposure Controls / Personal Protection****8.1 Occupational Exposure Limit Values.**

No exposure standards have been established for this material by Safework Australia. However, with all chemicals, exposure should be kept to the lowest possible levels.

Engineering Controls:	No specific controls are needed. Normal room or worksite ventilation is adequate.
Respiratory Protection:	Normal room ventilation is adequate.
Skin Protection:	Wear protective chemical resistant gloves. Cover arms and legs.
Eye Protection:	Wear safety glasses or goggles.

**8.2 Personal Protective Equipment**

Wear protective gloves and safety glasses or goggles eye protection. Normal room ventilation is adequate.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Clear to pale yellow liquid
<b>Physical State</b>	Viscous liquid
<b>Odour</b>	Mild amine
<b>Odour Threshold</b>	Data not available
<b>pH</b>	Approximately 13
<b>Initial Boiling Point</b>	Commences 200°C
<b>Flash Point</b>	Over 100°C
<b>Flammability</b>	Not flammable
<b>Explosive Limits</b>	Data not available
<b>Vapour Pressure</b>	0.01 Pa at 20°C
<b>Specific Gravity</b>	1.04
<b>Solubility in Water</b>	Insoluble
<b>Viscosity</b>	Viscous liquid
<b>Explosive Properties</b>	Will not explode
<b>Oxidising Properties</b>	Data not available
<b>Auto Ignition Temperature</b>	Not capable of auto ignition

## Section 10: Stability and Reactivity

### 10.1 Reactivity and Chemical Stability

Stable under normal conditions of use.

### 10.2 Possibility of Hazardous Reaction

Exothermic reaction with Part A Epoxy Resin. Can react with chlorine and bleach. Exothermic reaction with water.

### 10.3 Conditions to Avoid

Combined part A and B in bulk after mixing. Should be spread on floor surface within 5 minutes to avoid exothermic heat issue.

### 10.4 Hazardous decomposition Products

Will not occur in normal conditions of storage and use.

### 10.5 Incompatible Materials

Aluminium, copper and alloys.

## Section 11: Toxicological Information

### Acute Toxicity – Oral Exposure

Ingestion may irritate the gastric tract causing vomiting and nausea. LD50 rate greater than 2000 mg/kg

### Acute Toxicity – Dermal Exposure

Irritating on skin. Prolonged or repeated contact may result in contact dermatitis and sensitisation in some individuals.

### Acute Toxicity – Inhalation Exposure

Considered to be a respiratory sensitiser.

### Skin Corrosion and Irritation

Causes skin irritation. Wash arms, hands and face after handling. Wear protective gloves and eye protection. IF ON SKIN wash with plenty of soap and water. If skin irritation occurs take off contaminated clothing and seek medical attention.

### Serious Eye Damage and Irritation

Can cause serious eye damage. Wear eye protection. IF IN EYES rinse with water for several minutes. Remove contact lenses. Continue rinsing. Seek medical help.

### Cell Mutagenicity

Not considered mutagenic.

### Carcinogenicity

Not considered to be carcinogenic.

### Reproductive Toxicity

Not applicable

### Target Organ Toxicity from Single Exposure

Not applicable

### Target Organ Toxicity from Repeated Exposure

Not applicable

### Aspiration hazard

Not applicable

### Additional Toxicity Information

Data not available

## Section 12: Ecological Information

### 12.1 Ecotoxicity

Toxic to aquatic life. Avoid release to the environment. Dispose of contents in accordance with local, state and federal regulations.

### 12.2 Persistence and Degradability

Data not available.

### 12.3 Bioaccumulative Potential

Data not available.

### 12.4 Mobility in Soil

Data not available

### 12.5 Other adverse Ecological Effects

Data not available

## Section 13: Disposal Considerations

### 13.1 Waste Treatment Methods

Do not allow this or any chemical into drains or watercourses. If soaked up by absorbent, may be disposed of as solid waste. Wastes should be disposed of in accordance with any applicable regulations.

## Section 14: Transportation Information

### 14.1 UN Number

2735

### 14.2 Proper Shipping Name or Technical Name

Amines, Liquid, Corrosive, NOS

**14.3 Transport Hazard DG Class**

8

**14.4 Packing Group**

III

**14.5 Special Provisions**

No data available

**14.6 Label**

Corrosive

**14.7 Hazchem code**

2X

**14.8 EPG Number**

9C1

**14.9 Poisons Schedule**

S5

**Section 15: Regulatory Information****15.1 General Information**

Classified as hazardous according to the Globally harmonized System of Classification and Labeling (GHS). Classified as a poison according to the Standard for the Uniform Scheduling of medicines and Poisons (SUSMP).

**15.2 Poisons Schedule**

S5

**15.3 National / Regional Inventories**

AICS listed

**Section 16: Other Information****16.1 Revision and Date of SDS**

Issue number 1, dated 08 May 2024

**Disclaimer**

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Concrete Chemical Company cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Concrete Chemical Company representative or Concrete Chemical Company at the contact details on page 1.

Concrete Chemical Company responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

**End of Safety Data Sheet**