

SAFETY DATA SHEET

EPX-100 Epoxy

Part B

Hazardous Substance, NON-Dangerous Goods

Section 1: Identification

Product Identifier Epoxy Resin Part B
Trade name: **EPX-100 Epoxy Part B**

Recommended Use Hardener component (Part B) of EPX-100 Epoxy solvent free two component Epoxy Resin system.

Details of supplier of the SDS
Concrete Chemical Company
2/58 Pritchard Rd
Virginia Qld 4014
Contact Person
Scott Swift, Managing Director

24/7 Emergency
1300 792 207

Email
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

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

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- 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