

SAFETY DATA SHEET

EPX-100 Epoxy

Part A

Hazardous Substance, NON-Dangerous Goods

Section 1: Identification

Product Identifier	Epoxy Resin Part A Trade name: EPX-100 Epoxy Part A
Recommended Use	Resin component (Part A) of EPX-100 Epoxy solvent free two component Epoxy Resin
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

2.2 Poison Schedule SUSMP S5 Caution

2.3 Hazard Statements

H315 Causes skin irritation
H317 May cause allergic skin reaction
H319 Causes serious eye irritation
H401 Toxic to aquatic life



Precautionary Statement - Prevention

P103 Read label before use
P104 Read Safety Data Sheet before use
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

P302+P352 If on skin: Wash with plenty of water
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, continue rinsing
P310 If ingested: Call a Poisons Centre for advice
P332+P313 If skin irritation occurs: Get medical attention
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
Bisphenol A – Epichlorohydrin	25068-38-6	Over 60%
C12-C14 Glycidyl Ether	68609-97-2	Less than 20%
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

Not considered a hazard.

Skin Contact

If on skin: wash with plenty of soap and water. May cause redness, irritation and pain. If irritation and pain continue, seek medical advice.

Ingestion

Dilute with milk or water. DO NOT induce vomiting. Call a doctor if necessary.

Advice to Doctor

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

4.2 Symptoms Caused by Exposure

Warning, contact Dermatitis may develop from repeated skin exposures.

Section 5: Fire-Fighting Measures

Not flammable.

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

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.

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.
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	Off white colourless liquid
Physical State	Liquid
Odour	Slight
Odour Threshold	Data not available
pH	Approximately 7
Initial Boiling Point	Commences 200°C
Flash Point	Over 155°C
Flammability	Not flammable
Explosive Limits	Data not available
Vapour Pressure	Data not available
Specific Gravity	1.10
Solubility in Water	Insoluble
Explosive Properties	Will not explode
Oxidising Properties	Data not available
Auto Ignition Temperature	Not capable of auto ignition
Decomposition Temperature	Will not decompose

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 B Epoxy Hardener.

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. Avoid Nitrates bleaches and other oxidising materials.

10.4 Hazardous decomposition Products

Will not occur.

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

Not applicable. Not expected to be a respiratory sensitizer.

Acute Toxicity – Other Information

LD50, Oral, Rat: (Phosphoric Acid) 15330 mg/kg, behavioral, kidney, bladder, hair effects noted, LD50 dermal, Rat: 2740 mg/kg (Phosphoric Acid), behavioral effects noted.

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 with long lasting effects. 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**

3082

14.2 Proper Shipping Name or Technical Name

Environmental Hazardous Substance, Liquid, N.O.S. (Contains Bisphenol A)

14.3 Transport Hazard DG Class

9

14.4 Packing Group

III

14.5 Special Provisions

No data available

14.6 Label

Miscellaneous

**14.7 Hazchem code**

3Z

14.8 EPG Number

9C1

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

No data available

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