

Safety Data Sheet



1. Identification

Product Name: Duracoat EBHB Resin
Other Names:
Recommended use: Epoxy Resin
Supplier: Uroxsys Ltd
Street Address: 2 Stonedon Drive, East Tamaki, Auckland
Telephone Number: +64 9 2740808 (8.00am to 5.00pm, Monday to Friday)
Emergency Telephone: After hours phone CHEMCALL 0800 243622 (or +64 4 9179888)
National Poison Information Centre 0800 POISON (764766)
Date of issue 1 September 2022

2. Hazards identification

GHS classification of the substance/mixture:

Classified as Hazardous according to Hazardous Substances (Hazard Classification) Notice 2020
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020
Transport of Dangerous Goods.



Skin Irritation Category 2, Skin sensitisation Category 1, Eye irritation Category 2, STOT (repeated exposure) Category 2, Aquatic toxicity (chronic) Category 2

EPA Approval: HSR002670.

Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2020
6.3A, 6.4A, 6.5B, 6.9B, 9.1B

Signal Word:

WARNING

Hazard Statements:

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements – Prevention:

P103: Read label before use.
P260: Do not breathe fume/gas/mist/vapours/spray.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P272: Contaminated clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection.

Precautionary Statements – Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314: Get medical advice/attention if you feel unwell.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before re-use.
P363: Wash all contaminated clothing before reuse.
P391: Collect spillage.

Precautionary Statements – Storage:

P405: Store locked up.

Precautionary Statements – Disposal:

P501: Do not let product enter the environment. Do not dispose of in waterways or sewers. Empty container: Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should reacted with appropriate amount of hardener and be allowed to cure and then disposed of via domestic waste collection. Disposal of empty paint containers via domestic recycling programmes may differ between local authorities. Check with your local council first.

3. Composition/information on ingredients

Material	CAS No	Content %
bis-[4-(2,3-epoxipropoxy)phenyl]propane	1675-54-3	30-60
Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700	9003-36-5	15-30
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	<10
Non-DG fillers		Balance

4. First-aid measures

If poisoning occurs, contact a doctor or Poisons Information Centre Phone 0800 764 766.

Ingestion: If swallowed, do not induce vomiting. Seek immediate medical assistance. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth.

Inhalation: Remove victim from area of exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep

warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Get to a hospital or doctor quickly.

Skin Contact: If skin contact occurs, immediately remove contaminated clothing and wash skin thoroughly using soap if available. If irritation occurs seek medical advice.

Eye Contact: Immediately flush eyes with water for at least 15 minutes and see a doctor.

Notes to physician: Treat symptomatically. If skin sensitization has developed and causal relationship has been confirmed, further exposure should not be allowed.

5. Fire-fighting measures

Hazards from combustion: Not classified as flammable but will burn. Carbon monoxide may be evolved if incomplete combustion occurs.

Fire-fighting advice: Fire fighters to wear self-contained breathing apparatus and suitable protective clothing. Keep adjacent containers cool by spraying with water.

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam or water fog.

Hazchem Code 2X

6. Accidental release measures

Emergency procedures: If contamination of sewers or waterways has occurred advise local emergency services.

Methods for containment & clean up: Avoid accidents, clean up immediately. Wear protective equipment to prevent skin & eye contact. Wipe up with rag or absorbent paper.

For large spills: Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Contain - prevent runoff into drains and waterways. Use absorbent material (sand or earth). Collect and seal in properly labelled containers for disposal.

7. Handling and storage

Handling advice: Avoid skin and eye contact and breathing in vapours.

Storage advice: Keep container tightly closed and dry. Store at ambient temperatures. Store away from foodstuffs.

8. Exposure controls/personal protection

Occupational Exposure Limits: No value assigned for this specific material by Worksafe NZ.

Engineering Control Measures: Ensure ventilation is adequate.

Personal Protective Equipment: Wear overalls, chemical goggles and rubber gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and chemical properties

Physical state:	Liquid
Solubility in water:	Negligible
Specific Gravity:	Not determined
Flash Point (°C):	101°C
Flammability Limits (%):	Not determined
Boiling Point/Range (°C):	Not determined
Colour	Light brown

10. Stability and reactivity

Stability:	Stable at normal temperatures and storage conditions.
Materials to avoid:	Reacts with strong oxidising agents.
Hazardous decomposition products:	Not expected to form any during normal storage.

11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Single dose oral toxicity is considered to be extremely low.
Eye contact:	Slightly irritating to eyes.
Skin contact:	Slightly irritating to skin. Has caused allergic skin reaction in humans.
Inhalation:	Vapours are unlikely due to physical properties.
Long term Effects:	Prolonged or repeated exposure may cause skin sensitization.
Toxicological Data:	No LD50 data available for the product. For constituent: bis-[4-(2,3-epoxipropoxy)phenyl]propane: LD50 oral (rat) 11400 mg/kg, LD50 Dermal (rat) 2000 mg/kg Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700 LD50 oral (rat >2000 mg/kg, LD50 Dermal (rabbit) > 2000 mg/kg oxirane, mono[(C12-14-alkyloxy)methyl] derivs: Acute toxicity Oral LD50 (rat) 17100 mg/kg

12. Ecological information

Avoid contaminating waterways. Not readily biodegradable. Has the potential to bioaccumulate. If product enters soil, it will be mobile and may contaminate groundwater.

For constituent:

bis-[4-(2,3-epoxipropoxy)phenyl]propane: Acute LC50 (fish) 1.3 g/lt, 96h, Acute EC50 (Daphnia sp) 2.1 mg/lt, 48h, Acute, EC50 (aquatic plants – algae) > 11mg/lt, 72h
Formaldehyde, polymer with (chloromethyl)oxirane and phenol, mw <=700: Acute LC50 (fish) 2.54 g/lt, 96h, Acute EC50 (Daphnia sp) 2.55 mg/lt, 48h, Acute, EC50 (aquatic plants – algae) > 1000mg/lt, 72h
oxirane, mono[(C12-14-alkyloxy)methyl] derivs: Acute LC50 (fish) 1.8 g/lt, 96h, Acute EC50 (Daphnia sp) 7.2 mg/lt, 48h, Acute, EC50 (aquatic plants – algae) > 844mg/lt, 72h

13. Disposal considerations

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

Empty container: Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be reacted with appropriate amount of hardener and be allowed to cure and then disposed of via domestic waste collection. Disposal of empty paint containers via domestic recycling programmes may differ between local authorities. Check with your local council first.

14. Transport information



Road and Rail Transport

Classified as Dangerous Goods by NZS 5433 Transport of Dangerous Goods on Land

UN No.: 3082

Class: 9

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (EPOXY RESIN)

Hazchem: 2X

Packing Group: III

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No.: 3082

Class: 9

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (EPOXY RESIN)

Packing Group: III

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No.: 3082

Class: 9

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (EPOXY RESIN)

Packing Group: III

15. Regulatory information

EPA Approval: HSR002670. Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2020

16. Other information

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 Uroxsys Limited 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 Uroxsys Limited at the contact details on page 1.

While Uroxsys Ltd believes that the information contained herein is based on data considered accurate, no warranty or representation is expressed or implied for which Uroxsys Ltd assumes legal responsibility.

This version replaces all previous versions.

END OF SDS