

Safety Data Sheet



1. Identification of the substance/mixture and supplier

Product Name: ECS Resin
Other Names:
Recommended use: Resin component for two pack epoxy system.
Supplier: Uroxsys Ltd
Street Address: 2 Stonedon Drive, East Tamaki, Auckland
Telephone Number: +64 9 2740808 (8.00am to 5.00pm, Monday to Friday)
Facsimile: +64 9 2740500
Emergency Telephone: After hours phone 0800 867666 (or 09 3034580), quote reference:
Uroxsys Helpline
National Poison Information Centre 0800 POISON (764766)
Date of issue 11th July 2018

2. Hazards identification

WARNING



6.1E (Oral), 6.1E (Inhalation), 6.1E (Dermal), 6.4A, 6.5B, 9.1B, 9.2C

EPA Approval: HSR002670.

Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006

Hazard Statements:

H303 May be harmful if swallowed.
H333 May be harmful if inhaled.
H313 May be harmful in contact with skin.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H423 Harmful to the soil environment.

Prevention Statements

P103 Read label before use.
P210 Keep away from heat/sparks/open flame/hot surfaces – No smoking
P102 Keep out of reach of children.

- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves/eye protection/face protection.
- P261 Avoid breathing fume/gas/mist/vapours/spray.
- P273 Avoid release to the environment.

Response Statements

- P101 If medical advice is needed, have product container or label at hand.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.

Storage Statement

P403+P235 Store in well ventilated place. Keep cool.

Disposal Statement

Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should reacted with appropriate quantity of hardener and be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to dry out. When dry, recycle the container via recycling programmes. 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	%
Bisphenol A/epichlorohydrin	25085-99-8	> 60
Benzyl alcohol	100-51-6	10 – 30

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. On burning may emit toxic fumes, including those of hydrogen chloride and oxides of carbon.
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: Slippery when spilt. 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 labeled 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 the New Zealand Occupational Safety and Health Service (OSH).
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:	Clear liquid
Solubility in water:	Negligible
Specific Gravity:	1.1
Flash Point (°C):	101°C
Flammability Limits (%):	1.3-13
Boiling Point/Range (°C):	>200°C
Colour	Pale yellow

10. Stability and reactivity

Stability:	Stable at normal temperatures and storage conditions. Reacts with strong oxidizing agents.
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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:	Swallowing can result in nausea, vomiting, diarrhea and abdominal pain.
Eye contact:	Irritating to eyes.
Skin contact:	Slightly irritating to skin. Has caused allergic skin reaction in humans.
Inhalation:	Material may be irritant to the mucous membranes of the respiratory tract (airways)
Long Term Effects:	Prolonged or repeated exposure may cause skin sensitization.
Toxicological Data:	No LD50 data available for the product. However, for constituent Bisphenol A/epichlorhydrin: Oral LD50 (rat) >5000 mg/kg, Dermal LD50 (rabbit) >20000 mg/kg Benzyl alcohol: Oral LD50 (rat) 1040 mg/kg, Dermal LD50 (rabbit) 2000 mg/kg

12. Eco toxicological information

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

Acute toxicity – fish; Toxic, 1>LC/EC/IC 50 <= 10 mg/l

13. Disposal considerations

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

Empty container: **Disposal Statements:**

Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be reacted with appropriate quantity of hardener and be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to dry out. When dry, recycle the container via recycling programmes. 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 2006

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