



Material Safety Data Sheet

CCS EPOXY REPAIR KIT

Part A resin

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Issue Date: 6/09/07

Hazardous According to Criteria of Worksafe Australia

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CONCRETE COLOUR SYSTEMS

A Division of River Sands Pty Ltd

ACN 009 919 215

ABN 41 009 919 215

683 Beenleigh Redland Bay Rd

CARBROOK QLD 4129

Tel: +61 7 3287 6444

Fax: +61 7 3287 6445

Emergency Advice All Hours: 1800 124 863

Australia Wide: 131 126

Product Name: CCS Epoxy Repair Kit Part A Resin

Use: Repair of Concrete and masonry coating.

UN Number: Not allocated

Proper Shipping Name: Not allocated

Dangerous Goods Class: Not allocated

Packing Group: Not allocated

Hazchem Code: Not allocated

Poison Schedule: 5

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
Bisphenol A epoxy resin	25068-38-6	>60%
Aliphatic Glycidyl Ether	68609-97-2	10 – 30%

3. HAZARD IDENTIFICATION

Hazardous according to the criteria of Worksafe Australia

Classification: Irritant

Risk Phrases:

- R36 Wear suitable protective equipment
- R38 Irritating to Skin
- R43 May Cause skin sensation
- R51 Toxic to aquatic organisms
- R53 May cause long term adverse effects in the aquatic environment

Safety Phrase:

- S(2) Keep out of reach of children
- S24 Avoid skin contact
- S28 After skin contact wash immediately with soap and water
- S37/39 Wear suitable gloves and eye/face protection

ACUTE HEALTH EFFECTS

Swallowed: Not a likely source of exposure, however, product may cause irritation of the mouth, throat and gastrointestinal tract.

Eye: Contact with the eyes will cause severe irritation to the eyes resulting in redness and inflammation of the eyelids. Vapours may also cause irritation.



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3. HAZARD IDENTIFICATION (cont.)

Skin: Irritating to the skin. Contact with the skin may result in sensitisation characterised by inflammation of the skin or a skin rash. Once sensitised, an affected individual may subsequently react to minute levels of the material.

Inhaled: Inhalation of high concentrations of mists or vapours may cause irritation to the upper respiratory tract. Inhalation of vapours may cause eye and upper respiratory tract irritation, feeling of increased body heat, central nervous system effects such as headache, dizziness, incoordination, drowsiness and unconsciousness.

Chronic: Prolonged or repeated skin contact may cause dermatitis due to defatting effect.

4. FIRST AID MEASURES

Swallowed: If swallowed, **DO NOT induce vomiting.** Give one glass of water unless victim is drowsy, convulsing, or unconscious. **Seek medical attention.**

Eye: Immediately flush eyes with plenty of water for 20 minutes, holding eyelids open. **Rinse continuously with water on way to seeking medical attention.**

Skin: Remove contaminated clothing or shoes, wipe excess from skin and flush with plenty of water for at least 15 minutes. Use soap if available or follow by washing with soap and water. Do not reuse clothing until thoroughly cleaned. **Seek medical attention.**

Inhaled: Remove victim to fresh air and provide oxygen if breathing is difficult. Apply artificial respiration if no breathing. **Seek medical attention.**

First Aid Facilities: Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor Treat symptomatically or consult a Poisons Information Centre.

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

EXTINGUISHING MEDIA: Water for, 'alcohol' foam, dry chemical or CO₂. Do not use a direct stream of water. Product will float. Water may cause frothing which can be violent if sprayed into containers of hot or burning product.

SPECIAL FIRE FIGHTING PROCEDURES: Material will not burn unless preheated. Do not enter confined spaces without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid. Will not burn unless preheated. Do not pressurise drum containers to empty them. Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure build up which, could result in container rupture. Containers exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

Flammability

Not flammable.



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6. ACCIDENTAL RELEASE MEASURES

SPILLS and DISPOSALS: Extinguish or remove all sources of ignition and stop leak if safe to do so.

SMALL SPILLS: Take up with a vacuum absorbent material and place in non-leaking containers; seal tightly for disposal.

LARGE SPILLS: Evacuate the hazard area of unprotected personnel. Wear protective equipment as specified in the Personal Protection section of their MSDS. Dike and contain. Take up with a vacuum truck or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay sand or other suitable absorbent material; place in non-leaking containers for proper disposal. Place used absorbent in suitable sealed containers for disposal.

7. HANDLING AND STORAGE

Handling Precautions

Containers that have been emptied can contain hazardous product residues. Avoid all body contact. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse. Avoid breathing vapours, which may be produced under some conditions such as heating or applications of uncured material in large surface areas eg flooring and painting. Avoid breathing aerosols and mists, which may be formed by various methods of application.

Storage Precautions

Store in a well ventilated place away from ignition sources, oxidising agents foodstuffs and clothing. Keep containers closed when not in use. Store in suitable, labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards have been established for this product or components by Worksafe Australia.

Engineering Controls

Where mists or vapours are generated exhaust ventilation should be provided to maintain airborne concentration levels to a level as low as reasonably practicable.

Personal Protection Equipment Avoid contact with the skin and eyes and avoid breathing vapours or mists. When exposure is likely. Use personal protective equipment in a combination appropriate to the degree and nature of exposure should be selected from the following list:

CLOTHING: PVC apron and sleeves, or full PVC covering, safety shoes/boots.

GLOVES: PVC.

EYES: Safety glasses with side-shields, chemical goggles or face shield to protect eyes.

Where the concentration of vapour or mist is expected to approach the exposure limit, the following additional equipment is recommended;

1. Short elevated exposures eg spillage – goggles and correct respiratory protection should be worn. NB If the vapour/mist concentrations exceed the exposure limit by more than 10 times, air supplied apparatus should be used.
2. For prolonged elevated exposures – full face air supplied or self contained breathing apparatus should be worn.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (Cont'd)

CONTAMINATION:

If contamination occurs, change clothing and discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse. Observe good personal hygiene.

RESPIRATORY PROTECTION: Avoid breathing of vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. When gases exceed the exposure standards then the use of a half-face respirator with organic vapour cartridge is recommended. For high concentration use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus, complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant.

If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	viscous liquid
Melting Point:	Not applicable
Boiling Point:	Not available
Vapour Pressure:	<2.5 @ 20°C
Vapour Density:	>2.8 (AIR=1)
Evaporation Rate:	Not available
Solubility in Water:	Partial
Specific Gravity:	1.13 (H ₂ O=1)

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides, carbon monoxide and unidentified organic compounds (some containing nitrogen) may be formed during thermal or oxidative decomposition or combustion.

HAZARDOUS POLYMERISATION: Will not occur.

INCOMPATIBILITIES: Avoid contact with strong oxidising agents and concentrated acids.

CONDITIONS TO AVOID: Heat, flames, ignition sources and incompatibles.

11. TOXICOLOGICAL INFORMATION

No data available

Skin Irritation: Irritant.

Eye Irritation: irritant, but not sufficient to trigger an EC label.

Skin Sensitisation: May cause skin sensitiser.

Mutagenicity: Not mutagenic

Carcinogenicity: Not a carcinogen.



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Fertility Impairment: Does not impair fertility.

Development Toxicity: May cause slight foetotoxicity at doses, which are maternally toxic.

Human Effects: Prolonged/repeated contact may cause defatting of the skin, which can lead to dermatitis. Aspiration into lungs may cause chemical pneumonitis, which can be fatal.

12. ECOLOGICAL INFORMATION

R51 Toxic to aquatic organisms

R53 May cause long term adverse effects in the aquatic environment

Mobility: (1)

Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the general public or environment occurs or is likely to occur.

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

Product Name: CCS Epoxy Repair Kit Part A Resin

UN Number: Not allocated

Proper Shipping Name: Not allocated

Dangerous Goods Class: Not allocated

Packing Group: Not allocated

Hazchem Code: Not allocated

Poison Schedule: 5

15. REGULATORY INFORMATION

POISON SCHEDULE: 5

Risk Phrases:

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16. OTHER INFORMATION

CONTACT PERSON/POINT: National 24hr Emergency Response 1800 124 863

POISON'S SCHEDULE: 5

The customer is advised to consult the product Technical Data Sheets for further information including advice on suitable equipment.

Information used in the compilation of this MSDS obtained from investigations conducted at outside laboratories.

Issue date: 6/09/07

Supersedes: All previous Material Safety Data Sheets Issued

REASONS FOR UPDATE:

MSDS's are updated frequently. Please ensure that you have a current copy.

contact Point

Emergency Advice All Hours:

Australia Wide: 131 126

River Sands Pty Ltd

Tel: +61 7 3287 6444

Fax: +61 7 3287 6445

Contact: Technical Manager – River Sand Pty Ltd

Disclaimer

This Material Safety Data Sheet should be used in conjunction with the Technical Data Sheet. It does not replace them. The information given is based on our knowledge of the health and safety data of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. If clarification or further information is needed to enable appropriate risk assessment, the user should contact River Sands Pty Ltd. Our responsibility for products sold are subject to our standard terms and conditions sent to customers. No liability whatsoever can be accepted with regard to the handling, processing or use of the product concerned which, in all cases, shall be in accordance with the appropriate regulations and / or legislation.

End of MSDS