



CONCRETE  
COLOUR  
SYSTEMS

# Material Safety Data Sheet

## CCS Same Day Sealer

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Issue Date: 29/10/08

Hazardous according to the criteria set by NOHSC

### 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:  
Australia Wide: 131 126

Product Name: CCS Same Day Sealer  
Use: Concrete and masonry coating.

UN Number: 1866  
Proper Shipping Name: RESIN SOLUTION  
Dangerous Goods Class: 3  
Packing Group: III  
Hazchem Code: 3[Y]  
Poison Schedule: 5

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
HEAVY AROMATIC SOLVENT NAPHTHA	30 to 60%	64742-94-5
PETROLEUM AROMATIC HYDROCARBON	10 to <30%	64742-95-6
ACRYLIC POLYMER	10 to <30%	PROPRIETARY
ACRYLIC MONOMER	0 TO 0.5%	PROPRIETARY

### 3. HAZARD IDENTIFICATION

Hazardous according to the criteria set by NOHSC HAZARDOUS SUBSTANCE

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Hazard Category: Class C – flammable liquid according to AS 1940

#### Hazard Classification: Xn Harmful

#### Risk Phrases

**R10** Flammable  
**R20/21** Harmful by inhalation and in contact with skin  
**R38** Irritating to skin  
**R65** Harmful, May cause lung damage if swallowed  
**R66** Repeated exposure may cause skin dryness or cracking  
**R67** Vapours may cause drowsiness and dizziness

#### Safety Phrases

**S2** Keep out of reach of children  
**S23** do not breathe in fumes  
**S24** Avoid skin contact  
**S25** Avoid contact with eyes  
**S62** Possible risk of impaired fertility



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### 3. HAZARD IDENTIFICATION (continued)

#### ACUTE HEALTH EFFECTS

**Swallowed:** May be harmful to mouth, throat and stomach with effects including irritation to the tongue and lips and pains in the stomach. There is some probability that this product could be aspirated into the lungs and hence, if vomiting occurs, this may lead to chemical pneumonitis.

**Eye:** May cause irritation to the eyes, with effects including tearing, pain, stinging and blurred vision

**Skin:** Harmful by skin contact, Will cause irritation to the skin, with effects including redness, itchiness, and drying/ defatting

**Inhaled:** Harmful if inhaled.

May cause irritation to the nose, throat and respiratory system. Effects include: Dizziness, headache, staggering gait, nausea and if the concentration of vapours is high enough, unconsciousness.

#### Chronic:

Prolonged or repeated skin contact may lead to dermatitis.

Prolonged exposure may lead to kidney and liver damage. Permanent central nervous system and blood changes occur due to high solvent exposure over time.

### 4. FIRST AID MEASURES

**Swallowed:** If swallowed, DO NOT induce vomiting. For advice, contact a Poisons Information Centre in Australia phone 131 126. Seek urgent medical attention.

**Eye:** If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eyelids are held open. Seek urgent medical attention.

**Skin:** Remove all contaminated clothing and wash skin thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If contact is more than of minor nature, seek medical attention.

**Inhaled:** Remove source of contamination or move victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult. Seek medical attention.

#### First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities. Also provide general washroom facilities.

#### Advice to Doctor:

Treat symptomatically as for exposure to aromatic hydrocarbon solvents. Aspiration can result in pulmonary oedema. Gastric lavage should only be undertaken after endotracheal intubation.

### 5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to cool fire-exposed surfaces and to protect personnel. Avoid spreading burning liquid with water used for cooling fire exposed containers when using water spray, boil-over may occur when the product temperature reaches the boiling point of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapours from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from the point of handling.

FLAMMABILITY: Highly flammable liquid, Class 3. Keep away from heat, sparks or naked flames.



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### 6. ACCIDENTAL RELEASE MEASURES

**EMERGENCY ACTION:** Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas.

**SPILL OR LEAK PROCEDURE:** Extinguish or remove all sources of ignition. Clear area of all unprotected personnel. Wear appropriate protection equipment. Do not contaminate streams, rivers or watercourses. Do not flush drains or sewers. Inform local authority if liquid enters drains, sewers, streams etc. Shut off sources of leak if safe to do so. Dike and contain spill with sand or earth.

**SMALL SPILLS:** Absorb the liquid with sand, earth or other absorbent. Place used absorbent in suitable, sealable, labeled containers. Keep away from heat, naked flame or sparks.

#### **LARGE SPILLS:**

Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Take up liquid with vacuum truck or absorb with sand, earth or other absorbent. Place used absorbent in suitable, sealable, labeled containers. Keep away from heat, naked flame or sparks. Consult an expert regarding disposal of this product.

### 7. HANDLING AND STORAGE

#### **Precautions for safe handling**

Avoid skin and eye contact and breathing in vapour, mists and aerosols. 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.

#### **Conditions for safe storage**

Store in a cool place and out of direct sunlight.

Store away from sources of heat or ignition, strong alkalis, acids, combustibles and oxidizing agents. All equipment must be earthed. Take precautionary measures against static electricity.

Store in original packages as approved by manufacturer. Check all fittings, valves, reticulation (piping) and any ancillary equipment for leaks. A supplied air respirator or a Self-Contained Breathing Apparatus (SCBA) for emergencies should be available and checked regularly. For further information please refer to the Engineering Controls of this MSDS.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Exposure Standards**

No exposure standards are available for this product; however, the following exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC) to the following components of the product:

#### **OIL MIST**

(Worksafe Australia)

[TWA] ppm 5 mg/m<sup>3</sup>

[STEL] 0ppm 0 mg/m<sup>3</sup>

#### **Engineering Controls**

Local exhaust ventilation is usually required. Provide explosion proof ventilation system. Maintain adequate ventilation. Maintain concentration levels below the exposure limit set for the solvent. Performance of ventilation system should be regularly monitored. If air contaminant levels exceed the exposure limit, respiratory protection is required.

#### **Personal Protection Equipment**

CLOTHING: Long sleeved overalls and safety boots.



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GLOVES: PVC or rubber.

EYES: Safety glasses or chemical goggles.

RESPIRATORY PROTECTION: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian Standards

AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale to yellow liquid

Odour: Aromatic hydrocarbon

Boiling Point: 98°C

Vapour Pressure: 8.3 kPa @ 38°C \*

Specific Gravity: 0.94 – 1.05 (H<sub>2</sub>O = 1)

Flash Point: 43°C (PMCC)

Flammability Limits: LEL: 1.0 % \* UEL: 7.5 % \*

Solubility in Water: Insoluble

Evaporation Rate: 2.7 (Butyl acetate = 1) \*

Vapour Density: 3.38 (Air =1) \*

Other Information: \* for Petroleum aromatic hydrocarbon

Percent Volatiles: 80 %

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions of use.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Emits oxides of carbon when heated to decomposition.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITIES:** Halogens, molten sulfur, strong oxidising agents.

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

### 11. TOXICOLOGICAL INFORMATION

**Acute Data** Not established for this product

**Swallowed:** Harmful to mouth, throat and stomach. There is some probability that this product could be aspirated into the lungs and hence, if vomiting occurs, this may lead to chemical pneumonitis which can be fatal.

**Eye:** May cause irritation to the eyes, with effects including tearing, pain, stinging and blurred vision.

**Skin:** Harmful by skin contact. Effects including redness, itchiness, drying and defatting

**Inhalation:** Harmful by inhalation may cause lung damage, central nervous system depression, May cause irritation to the nose, throat and respiratory system with effects including Dizziness, headache staggering gait, nausea and if the concentration of vapours is high enough, and unconsciousness.

**Chronic:** Prolonged or repeated skin contact may lead to dermatitis.

Prolonged exposure may lead to kidney and liver damage. Permanent central nervous system and blood changes occur due to high solvent exposure over time.

**Carcinogen:** Product contains no known substances indicated to have carcinogenetic effects.

**Reproductive Effects** **S62** Possible risk of impaired fertility

### 12. ECOLOGICAL INFORMATION

**Avoid contaminating waterways, drains or sewers.**

Not established for this product However;



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It could be toxic to the biomass in a treatment plant and could be toxic to fish. 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.

**Degradation and Persistence:** All solvents are readily biodegradable and oxidize by photo-chemical reactions with air. No specific data is available

### 12. ECOLOGICAL INFORMATION (continued)

**Ecotoxicology:** No specific Ecotoxicology data was found for either of the ingredients

Oxidizes rapidly by photo-chemical reactions in air

Integrated environmental half-life expected to be < 1 day.

Dominant loss process = photolysis.

Expected to pose a significant risk of oxygen depletion in aquatic systems

**Bio-accumulation:** Does not bioaccumulate significantly.

**Mobility:** Floats on water. Evaporates within a day from water or soil surfaces. Dissolved material evaporates rapidly. Product remaining on soil surface evaporates within a day. If product enters soil, it will be mobile and may contaminate groundwater.

**Sewer Treatment:** Expected to be not toxic

**Other Information:** In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life. Based on product composition

### 13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for disposal by approved waste disposal agent.

### 14. TRANSPORT INFORMATION

UN Number: 1866

Proper Shipping Name: RESIN SOLUTION

Dangerous Goods Class: 3

Packing Group: III

Hazchem Code: 3[Y]

Classified as a CLASS 3 (FLAMMABLE LIQUID) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, 6th Edition

Dangerous goods of Class 3 (Flammable Liquid) are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2, spontaneously combustible Substances
- Class 5.1, Oxidising Agents
- Class 5.2, Organic Peroxides
- Class 6, Toxic Substances if the Class 3 dangerous goods are nitromethane
- Class 7, Radioactive Substances.

Emergency information (Transport):

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997)

For LIQUIDS - FLAMMABLE, Guide No: 15

### 15. REGULATORY INFORMATION

**Poison Schedule: S5**



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This material is a Scheduled (S5) Poison and must be stored, handled and used in accordance with the relevant regulations.

Hazardous according to the criteria set by NOHSC

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Hazard Category: Class C – flammable liquid according to AS 1940

### 15. REGULATORY INFORMATION (continued)

#### Hazard Classification: Xn Harmful

#### Risk Phrases

- R10** Flammable  
**R20/21** Harmful by inhalation and in contact with skin  
**R38** Irritating to skin  
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#### Safety Phrases

- S2** Keep out of reach of children  
**S23** do not breathe in fumes  
**S24** Avoid skin contact  
**S25** Avoid contact with eyes  
**S62** Possible risk of impaired fertility

### 16. OTHER INFORMATION

**Sources for data:** Suppliers MSDS for component ingredients  
National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Ed [NOHSC: 2011(2003)]  
Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(1999)]

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.

#### REASONS FOR UPDATE:

1. Product release
2. Revision Date 29/10/2008

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: Paul Moorfoot – General Manager

#### 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 is 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



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product concerned which, in all cases, shall be in accordance with the appropriate regulations and / or legislation. **END OF DOCUMENT**