



Material Safety Data Sheet

CCS Liquid Release Agent

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Issue Date: 28/10/08

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 Liquid Release Agent

Use: To aid in the clean release of texturing tools from wet concrete

UN Number: 1263

Proper Shipping Name: Solvent (contains Hydrocarbons)

Dangerous Goods Class: 3

Packing Group: III

Hazchem Code: 3[Y]

Poison Schedule: S5

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
Hydrocarbon Solvent	10 – < 30%	8008-20-6
Solvent Naphtha	30 - 60%	64742-94-5
Non Hazardous or component is below potentially hazardous amount to 100%		

3. HAZARD IDENTIFICATION

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

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

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



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3. HAZARD IDENTIFICATION (continued)

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: Flammable liquid. Avoid all sources of ignition, heat and naked flames. Vapours may travel a considerable distance to source of ignition and ignite.

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:

Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Take precautionary measures against static electricity. Water spray may reduce vapour; but it may not prevent ignition in closed spaces.

SMALL SPILLS:

Take up with dry sand, dirt, vermiculite or other inert materials. DO NOT use sawdust. Use non-sparking tools or HEPA vacuum system. Place into labeled drum(s) for later disposal.



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6. ACCIDENTAL RELEASE MEASURES (continued)

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. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. **Consult an expert regarding disposal of this product.**

The acrylic resin will set to a hard to sticky clear coating, which will adhere securely to most surfaces. It may be scraped off after softening with solvent.

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/m³

[STEL] 0ppm 0 mg/m³

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.

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.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid with hydrocarbon odour.
Boiling Point:	138 - 143°C
Vapour Pressure:	1 kPa @ 20°C
Specific Gravity:	0.98
Flash Point:	25°C
Flammability Limits:	LEL: 1.1% UEL: 6.6 %
Solubility in Water:	Immiscible.
Percent Volatiles:	80 %
Viscosity:	15,000 - 25,000 (cps @ 25°C)

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: Strong alkalis, acids, nitrates and oxidizing 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;

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



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

12. ECOLOGICAL INFORMATION (continued)

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

Avoid contaminating waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

UN Number: 1263

Proper Shipping Name: Solvent (contains Hydrocarbons)

Dangerous Goods Class: 3

Packing Group: III

Hazchem Code: 3[Y] E

Classified as a CLASS 3 (FLAMMABLE LIQUID) Dangerous Good 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
- Class 2.1, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3
- Class 4.2
- Class 5
- Class 6, if the Class 3 dangerous goods are nitromethane
- Class 7

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

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

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

15. REGULATORY INFORMATION (continued)

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

16. OTHER INFORMATION

Sources for data: Suppliers MSDS for component ingredients
National Code of Practice for the Preparation of Material Safety Data Sheets 2nd 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 product concerned which, in all cases, shall be in accordance with the appropriate regulations and / or legislation. **END OF DOCUMENT**