



Material Safety Data Sheet

CCS Solvent 100

Page 1 of 6

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 Solvent 100

Use: Industrial solvent for diluting sealers

UN Number: 1307

Proper Shipping Name: Xylene

Dangerous Goods Class: 3

Packing Group: III

Hazchem Code: 3[Y]E

Poison Schedule: 6

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
XYLENE	100%	1330-20-7

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

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

S25 Avoid contact with eyes

ACUTE HEALTH EFFECTS

Swallowed: CCS Solvent 100 is classified as harmful and an irritant. The material will cause severe gastrointestinal irritation. Vomiting may cause the product to be aspirated in the lungs possibly resulting in chemical pneumonitis.

Eye: Avoid contact with eyes. Product may cause moderate eye irritation and pronounced inflammation.

Skin: Avoid contact with skin. Harmful effects or illness can result from absorption through the skin.

Inhaled: Avoid breathing vapour or spray mist. Vapour concentrations above 100 ppm are irritating to nose and throat resulting in possible headaches, dizziness, loss of coordination, nausea and possibly loss of consciousness.

Chronic: Repeated or prolonged contact may cause irritant contact dermatitis.



Material Safety Data Sheet

CCS Solvent 100

Page 2 of 6

Issue Date: 29/10/08

Hazardous according to the criteria set by NOHSC

4. FIRST AID MEASURES

Swallowed: For advice, contact a Poisons Information Centre in Australia, phone 131 126, or a doctor at once. If swallowed, **DO NOT induce vomiting**. Give glass of water to drink. Seek urgent medical attention.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes and seek medical attention.

Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Remove contaminated clothing. Wash clothing before reuse.

Inhaled: Remove victim to fresh air. Apply resuscitation if victim is not breathing. Seek medical attention.

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

Advice to Doctor:

Due to the risks of lung damage by aspiration of this product, 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.

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.**

7. HANDLING AND STORAGE

Flammability

CCS Solvent 100 is a flammable liquid. Vapour may form explosive mixtures with air. Avoid heat and all ignition sources. Use only in well ventilated areas. Flameproof equipment is necessary in any area where product is being used. Product transfer and storage equipment must be earthed. Prevent build-up of flammable vapours. Consult AS1940 for further information on safe storage and handling of flammable liquids. Handle in accordance with state or territory regulations for flammable liquids. Take precautionary measures against static electricity. Store in original packages as approved by manufacturer.



Material Safety Data Sheet

CCS Solvent 100

Page 3 of 6

Issue Date: 29/10/08

Hazardous according to the criteria set by NOHSC

7. HANDLING AND STORAGE (continued)

Storage

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Substance	STEL (mg/m ³)	STEL (ppm)	TWA (mg/m ³)	TWA (ppm)
Xylene	655	1500	350	80

TWA Time-Weighted Average airborne concentration over an eight hour working day, for a five-day working week over an entire working life.

STEL Short Term Exposure Limit – the average airborne concentration over a 15 minute period which should not be exceeded at any time during normal eight-hour workday.

According to current knowledge these concentrations should neither impair the health, nor cause undue discomfort to, nearly all workers. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to, as low a level as is workable. Exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Controls

Flammable liquid, maintain adequate ventilation at all times. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition. Elevated temperature or mechanical action may form vapours, mists or fumes, which may require local, exhaust ventilation systems.

Personal Protection Equipment

CLOTHING: PVC or rubber apron, coveralls, safety shoes/boots.

GLOVES: PVC or rubber.

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

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:	Clear, Colourless, mobile liquid with sweet odour.
Boiling Point:	139°C
Vapour Pressure:	68mmHg @ 20°C
Specific Gravity:	0.869 g/ml
Flash Point:	27°C
Flammability Limits:	LEL: 1.1 % UEL: 6.6 %
Solubility in Water:	Immiscible with water
Percent Volatiles:	100 %



Material Safety Data Sheet

CCS Solvent 100

Page 4 of 6

Issue Date: 29/10/08

Hazardous according to the criteria set by NOHSC

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

Toxicological Data:

For Xylene: Oral LD50 (rat) : >2000 mg/kg
Dermal LD50 (rabbit) : >2000 mg/kg
Inhalation LC50 (rat) : >20 mg/L/4hr
SKIN: Moderate irritant (rabbit)

Skin Irritation: Irritant

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

Skin Sensitisation: Not expected to be a skin sensitiser

Mutagenicity: Not mutagenic

Carcinogenicity: Not a carcinogen

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

Ecotoxicity: Harmful to aquatic life.

Fish: Toxic 1<LC/EC/IC50 <= 10mg/l

Aquatic Invertebrates: Toxic 1<LC/EC/IC50 <= 10mg/l

Algae: Toxic 1<LC/EC/IC50 <= 10mg/l

Mobility: Floats on water. Absorbs to soil and has a low mobility

Bioaccumulative Potential: Has potential to bioaccumulate

Environmental Protection

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.

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 (Contains XYLENE)

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



Material Safety Data Sheet

CCS Solvent 100

Page 5 of 6

Issue Date: 29/10/08

Hazardous according to the criteria set by NOHSC

14. TRANSPORT INFORMATION (continued)

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

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

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

S25 Avoid contact with eyes

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 28/10/2008

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

Contact Point

Emergency Advice All Hours:



CONCRETE
COLOUR
SYSTEMS

Material Safety Data Sheet

CCS Solvent 100

Page 6 of 6

Issue Date: 29/10/08

Hazardous according to the criteria set by NOHSC

Australia Wide: 131 126

16. OTHER INFORMATION (continued)

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