



Material Safety Data Sheet

ACS Concrete

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Issue Date: May 2009

Hazardous According to Criteria of Worksafe Australia

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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 Names: ACS Concrete

Use: A general purpose premixed product designed for the do-it-yourself market.

UN Number: None allocated

Proper Shipping Name: None allocated

Dangerous Goods Class: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

Poison Schedule: None allocated

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
Silica Sand	~50%	14808-60-7
Cementitious component	20 to 40%	65997-15-1
Gravel	to 100%	----

3. HAZARD IDENTIFICATION

Hazardous according to the criteria set by Worksafe Australia. This product contains crystalline silica.

ACUTE HEALTH EFFECTS

Swallowed: May cause nausea, stomach cramps and constipation.
(Cement is mildly abrasive and corrosive.)

Eye: Product may cause moderate to severe eye irritation.

Skin: May cause slight irritation. **Long Term** - When wet, the caustic properties of the cement in the Concrete / Post Mix can dry the skin and cause alkali burns. There may be trace amounts of hexavalent chromium present and in some individuals this may cause dermatitis."

Inhaled: May irritate respiratory system if sufficient dust is inhaled. May aggravate an existing lung condition. **Long Term** – Repeated inhalation of cement dust created by mixing or cutting hardened product may cause bronchitis, silicosis or lung cancer.

4. FIRST AID MEASURES

Swallowed: Do not induce vomiting. Rinse mouth out with water or milk. Do not give carbonated (fizzy) drinks. After rinsing out mouth, give sugared water/ water or milk to drink. Seek medical advice.



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Eye: Irrigate eyes immediately and repeatedly for at least 10 minutes with clean water and seek medical attention.

Skin: Wash with soap and tepid water. Shower if necessary for 15 minutes.

Inhaled: Move to fresh air. Seek medical attention if effects persist.

Advice to Doctor

Respiratory disorders and diseases, dermatitis or other skin disorders may be aggravated by exposure.

5. FIRE-FIGHTING MEASURES

Fire Fighting Precautions: Wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing to minimise skin exposure.

Extinguishing Media: Use appropriate fire extinguisher for surrounding environment

Hazchem Code None Allocated

Product is not combustible or flammable

6. ACCIDENTAL RELEASE MEASURES

Spills: Recover spilled material by shovelling into containers or using mechanical sweepers, avoid generating dust. If dust occurs use personal protective equipment. Prevent dry material coming into contact with water. Product takes approximately 24 hours to set so retrieval is possible if completed quickly. Otherwise blockage of waterways may occur.

If contamination of drains or watercourses has occurred, advise the relevant state Environmental Protection Agency and local authorities.

Disposal: May be disposed of as inert landfill in accordance with local authority regulations.

7. HANDLING AND STORAGE

Storage Precautions: No special storage requirements.

Transport: Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (6th Edition).

Handling: Prevent all contact with skin. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.

Proper Shipping Name: None Allocated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits No exposure standards have been established for this material by NOHSC. However, exposure standards for ingredients are stated below:

Portland Cement 10mg/m³ TWA

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Crystalline Silica	0.1 mg/m ³ respirable dust TWA 0.7 mg/m ³ STEL
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	Use well-ventilated area. In Local ventilation should be considered if used in poorly ventilated or very confined space.
PERSONAL PROTECTION	
Body Protection:	Suitable PVC or rubber apron, coveralls, safety shoes/boots. Dusty clothing should be laundered before reuse. Avoid creating dust when removing or laundering clothes.
Hand Protection:	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves – Selection, use and Maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include method of handling, engineering controls as determined by appropriate risk assessments. Advice should be sought from appropriate glove manufacturers in order to ensure gloves are correct for application.
Eye Protection:	Safety glasses with side shields or goggles should be worn as described in AS/NZS 1337 – Eye Protectors for Industrial Applications. Final choice of appropriate eye/face protection will vary according to individual circumstances.
Respiratory Protection:	Where dust is generated, and exposure levels do not exceed ten times the Workplace Exposure standards, a half face piece respirator fitted with a P1 filter complying to AS/NZS 1715 and AS/NZS 1716 is recommended. Where exposure levels do exceed ten times the Workplace exposure standards, then a full face-piece respirator fitted with P2/P3 filter, or a powered air-supplied respirator fitted with P2 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 necessary changes for individual circumstances. Filter capacity and respiratory type depends on the type of particulate i.e. dust or fume and exposure levels. Final choice of appropriate respiratory protection will vary according to individual circumstances. This can include handling and engineering controls as determined by appropriate risk assessments.



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Hygiene Measures

Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material. Wash hands thoroughly before eating, drinking, and smoking, applying cosmetics or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey cementitious mix with aggregate up to a maximum particle size of 10mm
Boiling Point/Melting Point:	Not Applicable
Vapour Pressure:	Not Applicable
Per Cent Volatilities:	NONE
Specific Gravity:	2.14
Flash Point:	Not Applicable
Flammability Limits:	Not Applicable
Autoignition Temperature:	Not Applicable

Other Properties: Will set solid after contact with water.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

Hazardous decomposition: Not Applicable

Hazardous polymisation: Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology: No toxicity data is available for this material.

Environment Protection: Prevent this material entering waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

UN Number: None allocated

Proper Shipping Name: ACS Concrete

Dangerous Goods Class: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

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15. REGULATORY INFORMATION

Poison Schedule:

This material is not poisonous.

Risk Phrase:

R38 Irritating to skin.
R41 Risk of serious damage to eyes.

Safety Phrase:

S2 Keep out of reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.
S62 if swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Hazard Category: Irritant

16. OTHER INFORMATION

PRINCIPAL REFERENCES:

Material Safety Data Sheet – River Sands Pty Ltd

Issue date: 6/10/08

Supersedes: All previous Material Safety Data Sheets Issued

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:

Revision of MSDS

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 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 DOCUMENT