

**ACS Neat-Krete CI**

Hazardous according to the criteria set by NOHSC

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

River Sands Pty Ltd  
 ACN 009 919 215  
**A N 41 009 919 215**  
 683 Beenleigh Redland Bay Rd  
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**Emergency Advice All Hours:**  
 Australia Wide: 131 126

**Product Name:** ACS Neat-Krete CI

**Use:** Cement based Shotcrete mix made for use in a wide range of civil engineering and mining applications

**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	70 to 80%	14808-60-7
Cementitious component	20 to 30%	65997-15-1

**3. HAZARD IDENTIFICATION**

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

**ACUTE HEALTH EFFECTS**

**Swallowed:** Small amounts ingested incidental to normal handling will have little or no effect. Larger amounts ingested may cause stomach pains and discomfort.

**Eye:** Will cause moderate to severe irritation to the eye and must be promptly removed to prevent further damage. Rubbing the eye after exposure will cause severe irritation through mechanical abrasion.

**Skin:** May cause superficial burns to damp skin, especially if trapped against skin by clothing. Prolonged or repeated skin exposures may cause drying and cracking of the skin and possibly lead to dermatitis.

**Inhaled:** Will cause coughing and a dry throat. Over several years prolonged or repeated exposure to high dust concentrations may lead to lung disorders. In severe cases these may include cancer.

**Chronic:** Prolonged or repeated inhalation of fine dusts may lead to congestive diseases of the lung or in extreme cases (after years of exposure) to lung cancer.

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### 4. FIRST AID MEASURES

**Swallowed:** If swallowed, contact Doctor. **DO NOT induce vomiting** and give glass of water.

**Eye:** If in eyes, flush with water for at least 15 minutes, ensuring eyelids are held open. See a Doctor if irritation continues.

**Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water.

**Inhaled:** Move to fresh air. Monitor for respiratory distress. Seek medical attention if irritation occurs.

**First Aid Facilities:** Eye wash fountain shall be available.

**Advice to Doctor:** Treat symptomatically.

### 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

### 6. ACCIDENTAL RELEASE MEASURES

**Spills:** Recover spilled material by shovelling or sweeping into containers or using mechanical sweepers, avoid generating dust. If dust is created use personal protective equipment. Prevent dry material coming into contact with water. Product is designed to set with contact with water allowing for wet material to be shovelled into containers before material hardens. If contamination of drains or watercourses has occurred, advise the relevant state Environmental Protection Agency and local authorities. Otherwise blockage of waterways may occur.

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

### 7. HANDLING AND STORAGE

**Handling:** Use only in well ventilated areas. Wear protective clothing to minimise skin contact. The use of P1 Masks, tight fitting goggles and barrier creams is recommended.

**Storage:** Store in a cool dry place

### 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:

<b>High Alumina cement</b>	10mg/m <sup>3</sup> TWA
<b>Portland Cement</b>	10mg/m <sup>3</sup> TWA
<b>Crystalline Silica</b>	0.1 mg/m <sup>3</sup> respirable dust TWA
	0.7 mg/m <sup>3</sup> 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.

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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. 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.

**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 cement coloured free flowing powder

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**Boiling Point:** Not relevant  
**Vapour Pressure:** Not relevant  
**Bulk Density:** ~1300 kg/m<sup>3</sup>  
**Flash Point:** Not relevant  
**Flammability Limits:** Not relevant  
**Solubility in Water:** Negligible

10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions of use.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None allocated.  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**INCOMPATIBILITIES:** None allocated.  
**CONDITIONS TO AVOID:** None allocated.

11. TOXICOLOGICAL INFORMATION

No toxicological information is available for this product.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways, drains or sewers as material will harden there for possibility of block flow of water.

When in contact with water cements will cause the pH to rise and give a sufficient increase may be toxic to aquatic life in these circumstances.

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:** None allocated  
**Dangerous Goods Class:** None allocated  
**Packing Group:** None allocated  
**Hazchem Code:** None allocated

15. REGULATORY INFORMATION

**Poison Schedule:** This material is not poisonous.

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**Risk Statement:** R38 Irritating to skin.  
R41 Risk of serious damage to eyes.

**Safety Statement:** 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: 17/09/2012  
Issued by: Dr Duncan Hywel-Evans C.Sci. C.Chem. M.R.S.C.  
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:**

Product Release  
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 MSDS**