



# Material Safety Data Sheet

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Issue date: January, 2007

## ACS Barrier Seal WPM

Hardener

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 Name:** ACS Epoxy Seal  
**Use:** Hardener Component for Two-Pack Epoxy Coating  
**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
Water	40-60%	-----
Inert Pigment	23-30%	-----
Fatty acid polyamides	10-20%	68410-23-1
Polyamines	<2%	Prop Comp
Non Hazardous Ingredients	To 100%	-----

### 3. HAZARD IDENTIFICATION

Hazardous according to the criteria of Worksafe Australia

#### ACUTE HEALTH EFFECTS

**Swallowed:** May be harmful in large amounts  
May cause nausea, stomach cramps/ pains and diarrhoea  
May cause caustic burns

**Eye:** Substance is irritating to the eyes. In dust form, may cause burning and corneal scarring.

**Skin:** May cause irritation, burns and tissue damage. When mixed with water, the caustic properties of the cement in the mix can dry the skin and cause alkali burns.



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- Chronic:** Prolonged or repeated contact may result in skin sensitisation
- Inhaled:** Inhalation of the vapours (generated at elevated temperatures) or mists can cause irritation to the nose and throat and upper respiratory tract.

#### 4. FIRST AID MEASURES

- Swallowed:** If swallowed, contact Doctor. **DO NOT induce vomiting** and rinse mouth and give a glass of water.
- Eye:** If in eyes, flush with plenty of water for at least 15 minutes ensuring eyelids are held open and 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, shower and normal washroom facilities.

**Advice to Doctor:**

Treat symptomatically. If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed.

#### 5. FIRE-FIGHTING MEASURES

- Flash Point** > 200°C
- Ignition Temperature** Not available
- Flammable Limits UEL** Not Available
- Flammable Limits LEL** Not Available
- Extinguishing Media** Use foam, CO2 or powder to extinguish fire.
- Unusual Fire & Explosion Hazards** None known.
- Special Instructions** Not applicable

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Protection**

Observe precautions from other sections of this Material Safety Data Sheet.

**Spills & Disposal**

Extinguish or remove all sources of ignition and stop leak if safe to do so. Contain the spill with sand or earth and take up with a vacuum truck or absorb with absorbent material, sand or earth. Place used absorbent in suitable sealed containers and follow state or local authority regulations and guidelines for disposal of the waste. Clean area with detergent and water. Do not allow product to enter drains, sewers or watercourses - inform the local authorities if this occurs.

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### 7. HANDLING AND STORAGE

#### Handling Precautions

Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

#### Precautions to Be Taken in Storage

Keep in cool, dry, ventilated storage and closed containers.

Store away from alkalis and oxidisers

Avoid freezing temperatures during storage.

Minimise contact with air to prevent inoculation with micro-organisms.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** None established for this product.

#### Personal Protection Equipment

**Clothing:** Coveralls and safety shoes/boots.

**Gloves:** PVC or rubber.

**Eyes:** Safety glasses to protect eyes.

**Respiratory protection:** Select and use respirators in accordance with AS/NZS 1715/1716. If used in poorly ventilated or very confined spaces, a standard disposable dust mask fitted with a type P1 filter should be used that complies with AS1716 Respiratory Devices and used in accordance with AS1715 which describes use and maintenance.

**Engineering Controls:** Special ventilation is not normally required due to the low volatility of the product at normal temperatures. However, in the operation of certain equipment or at elevated temperatures, mists or vapour may be generated and exhaust ventilation should be provided to maintain airborne concentration levels as low as is reasonably practicable.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Off white, homogeneous liquid with an ammoniacal odour.
<b>Boiling Point:</b>	Not available
<b>Vapour Pressure:</b>	Not available
<b>Specific Gravity:</b>	1.2-1.3 Kg/L
<b>Flash Point:</b>	Not available
<b>Flammability Limits:</b>	Not available
<b>Solubility in Water:</b>	Water reducible
<b>Viscosity:</b>	Approx 15 000 centipoise @ 25°C

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** Not applicable

**Incompatibility:** Oxidising agents (eg. perchlorates, nitrates etc.)

**Hazardous decomposition or by-products:** Oxides of carbon and noxious smoke

**Hazardous reaction:** Hazardous reactions will not occur.

Hazardous according to criteria of Worksafe Australia

### 11. TOXICOLOGICAL INFORMATION

**Acute Data:** Not established for this product.

**Eye Contact** Chemical related eye burns  
Cloudy appearance of the cornea, chemical burns, pain, impairment or loss of vision

**Skin Contact** Allergic skin effects  
Dermal effects Severe skin irritations (Redness, dryness, cracking, discolouration, swelling, blistering and itching)

**Inhalation** Upper Respiratory Tract Irritation (Coughing, sneezing, nasal discharge, headache, nose and throat pain)

**Ingestion** Irritation to the Gastrointestinal Tract (Pain, abdominal tenderness, nausea, diarrhoea and vomiting)

**Reproductive Effects** Not established for this product. Does not contain chemicals implicated in adverse reproductive effects.

**Other Information** None established for this product.

### 12. ECOLOGICAL INFORMATION

No environmental impact information is available for this product.  
Avoid contaminating waterways, drains or sewers.

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

**UN Number:** None allocated

**Proper Shipping Name:** ACS Barrier Seal WPM

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Hazchem Code:** None allocated

**Transport Information:** Harmful to aquatic organisms; may cause long term effects in the aquatic environment (R52/53) Irritating to skin (R38) Risk of serious damage to eyes (R41).

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26). Wear eye/face protection (S39). Avoid release to the environment.

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### 15. REGULATORY INFORMATION

**Risk Phrase:**

R34 Causes burns

R38 Irritating to eyes and skin.

R41 Risk of serious eye damage.

R43 May cause sensitisation by skin contact.

R51 Toxic to aquatic organisms.

R53 May cause long term adverse effects in the aquatic environment.

**Safety Phrase:**

S25 Avoid contact with eyes

S26 If contact with eyes occurs, rinse immediately with water and contact a doctor or Poisons Information Centre

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

### 16. OTHER INFORMATION

**PRINCIPAL REFERENCES:**

Material Safety Data Sheet – River Sands Pty Ltd

Issue date: 05/01/07

Issued by: Tess Flores – Technical Manager

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

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.

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