



# Material Safety Data Sheet

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Issue date: November 2006

## ACS Decra Glaze 100 Part A

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 Decra Glaze 100  
**Use:** Resin Component for Two-Pack Epoxy Casting System  
**UN Number:** 3082  
**Proper Shipping Name:** Environmentally Hazardous substances, Liquid, N.O.S.  
Contains Bisphenol Epichlorohydrin Resin

**Dangerous Goods Class:** 9  
**Packing Group:** III  
**Hazchem Code:** 2X  
**Poison Schedule:** None allocated

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
Bisphenol A epichlorohydrin resin	50-60%	25068-38-6
Bisphenol F-epichlorohydrin resin	20-30%	28064-14-4
C12-C14 Alkylglycidyl ether	To 100%	68081-84-5

### 3. HAZARD IDENTIFICATION

**Hazardous according to the criteria of Worksafe Australia.**

#### HEALTH EFFECTS

**Swallowed:** May be harmful if swallowed in large amounts. Ingestion may cause nausea, diarrhoea, abdominal pain and vomiting.  
**Eye:** Irritating to eyes. Contamination of the eyes will result in transient pain, lachrymation and redness.  
**Skin:** Irritating to skin, frequent and prolonged contact can cause skin sensation.  
**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, seek medical advice urgently. **DO NOT induce vomiting.** Immediately wash out mouth with water and give plenty of water to drink.  
**Eye:**  
If in eyes, flush with plenty of water for at least 15 minutes, ensuring eyelids are held open and see a Doctor.



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### Skin:

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

If irritation persists see a Doctor.

**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

<b>Flash Point</b>	> 150°C
<b>Ignition Temperature</b>	Not Available
<b>Flammable Limits UEL</b>	Not Available
<b>Flammable Limits LEL</b>	Not Available
<b>Extinguishing Media</b>	Use foam, CO <sub>2</sub> or powder to extinguish fire.
<b>Unusual Fire &amp; Explosion Hazards</b>	Combustible. Keep storage tanks, pipelines, fire exposed surfaces etc cool with water spray. Shut off any leak if safe and remove sources of re-ignition.
<b>Flammability</b>	Class C2 combustible liquid, will not burn unless preheated. Isolate from sources of heat, naked flames or sparks. Refer to AS 1940- Storage and handling of flammable and combustible liquids. AS 2865- Safe working in confined spaces.
<b>Special Instructions</b>	Not applicable

## 6. ACCIDENTAL RELEASE MEASURES

### 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.

## 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

Classified as a class C2 combustible liquid, store in a well ventilated place away from all sources of ignition and oxidising agents. Keep in sealed containers when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

### Personal Protection Equipment

**Avoid contact with skin, eyes and inhalation of vapours or mist.**

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

**Gloves:** PVC or rubber.



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**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>	Pale Yellow Liquid, homogeneous liquid with a slight odour.
<b>Boiling Point:</b>	Not available
<b>Vapour Pressure:</b>	Not available
<b>Specific Gravity:</b>	Not available
<b>Flash Point:</b>	>150°C
<b>Flammability Limits:</b>	Not available
<b>Solubility in Water:</b>	Negligible
<b>Viscosity:</b>	700 - 1100 centipoise @ 25°C
<b>Density:</b>	1.10 – 1.15 kg/l @ 25°C

### 10. STABILITY AND REACTIVITY

**Hazardous decomposition or by-products:**

Oxides of carbon and noxious smoke

**Hazardous reaction:**

Stable under normal conditions. Reacts with strong oxidising agents. Polymerises exothermically with amines, mercaptans and Lewis acids at ambient temperatures, and will react with bases, ammonia, alcohols and acids.

### 11. TOXICOLOGICAL INFORMATION

Oral: LD50 > 2000 mg/kg

Dermal: LD > 2000 mg/kg

Not carcinogenic

Mutagenicity: Positive in in vitro, negative in in vivo

**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

Redness, swelling, blistering and itching.

Change in skin pigmentation and/or colouration.

**Inhalation**

Upper Respiratory Tract

Irritation, cough, sneezing, nasal discharge, headache, hoarseness and nose and throat pain.

**Ingestion**

Gastrointestinal Tract

Pain, abdominal tenderness, nausea, diarrhoea and vomiting.



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Reproductive Effects

Unknown, does not contain chemicals implicated in adverse reproductive effects.

### 12. ECOLOGICAL INFORMATION

**Mobility:** Sinks in water

#### Environmental Information

Not readily biodegradable, has the potential to bioaccumulate

Acute toxicity (fish): Toxic 1 <LC50< 10mg/l.

Sewage treatment: EC50> 1-10 mg/l, lethal to organisms in sewage treatment plants.

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

**Avoid contaminating waterways, drains or sewers.**

### 13. DISPOSAL CONSIDERATIONS

Disposal of this material should be undertaken by a registered chemical disposal company.

Refer to appropriate authority in your State.

### 14. TRANSPORT INFORMATION

**UN Number:** 3082

**Proper Shipping Name:** Environmentally Hazardous substances, Liquid, N.O.S.  
Contains Bisphenol Epichlorohydrin Resin

**Dangerous Goods Class:** 9

**Packing Group:** III

**Hazchem Code:** 2X

**Transport Information:** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

### 15. REGULATORY INFORMATION

**Risk Phrase:** R36/38 Irritating to eyes and skin.  
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:** S24 Avoid contact with skin.  
S26 If contact with eyes occurs, rinse immediately with water and contact a doctor or Poisons Information Centre.  
S28 After contact with skin, wash immediately with soap and water  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.



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### 16. OTHER INFORMATION

#### **PRINCIPAL REFERENCES:**

Material Safety Data Sheet – River Sands Pty Ltd

Issue date: 7/11/2006

Issued by: Tess Flores – Technical Manager

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.

Supersedes: All previous Material Safety Data Sheets Issued

#### **REASONS FOR UPDATE:**

1. Product release

### 16. OTHER INFORMATION

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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