



Material Safety Data Sheet

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Issue date: February 2011

ACS Enviro Agi Clean

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
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Emergency Advice All Hours:
Australia Wide: 131 126

Product Name:	Enviro Agi Clean
Use:	Low Hazard, low corrosion acidic liquid used to clean concrete residue from trucks and machinery.
UN Number:	1760
Proper Shipping Name:	Corrosive Liquid, NOS
Dangerous Goods Class:	8
Packing Group:	III
Hazchem Code:	2X [Aust]
Poison Schedule:	None allocated

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
ACIDIC ORGANIC COMPOUND	30 to 60%	Confidential
NONIONIC SURFACTANTS	1 to 10%	9005-64-5
WATER AND OTHER NON-HAZARDOUS SUBSTANCES	to 100%	7732-18-5

3. HAZARD IDENTIFICATION

Hazardous according to the criteria of NOHSC.
In use solution of less than 50% is not classified as hazardous according to the criteria of NOHSC Australia.

Hazard Category: Irritant (Xi)

Risk Phrases: R36/37/38 Irritating to eyes, respiratory system and skin.
If concentrated and is handled in such a way as to create mist, this may irritate the respiratory system.
This is not a likely route of exposure.

Safety Phrases: S24/25. Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.
S45 In case of accident or if you feel unwell, contact a doctor
Or Poisons Information Centre.

ACUTE HEALTH EFFECTS

Swallowed: May cause nausea, stomach cramps and constipation.

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Eye:	Direct contact will cause eye irritation.
Skin:	Prolonged or repeated contact can cause irritation.
Inhaled:	Chances of inhalation very low. Mist formed when sprayed can cause irritation of nose & throat.

4. FIRST AID MEASURES

Swallowed: If swallowed, contact Doctor. **DO NOT induce vomiting** and give 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. Seek medical attention if irritation occurs.

First Aid Facilities: Eye wash, shower and normal washroom facilities.

Advice to Doctor: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Non-combustible material

Special protective precautions and equipment: Not flammable or combustible, If involved in fire may generate noxious and corrosive fumes.

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable extinguishing media: Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Wear protective equipment to prevent skin and eye contamination. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large spills: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination .

Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material).

Collect and seal in properly labelled containers or drums for disposal. Wash down area with large quantities of water. If large contamination of sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Handling Precautions

Avoid contact with the skin and eyes, and avoid breathing vapours or mists.

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 storage area. Keep containers closed when not in use.

Store in original packages as approved by manufacturer. Store in accordance with requirements for Class 8 Acids. Under Dangerous Goods Storage regulations, must be stored within an acid proof containment area.

After long-term storage, especially at high ambient temperatures, drums may pressurise due to release of a non-toxic gas. If this condition is noticed, loosen bung to release pressure and re-seal.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits None established for this product.

Personal Protective Equipment:

Avoid contact with the skin and eyes, and avoid breathing vapours or mists. When exposure is likely, personal protective equipment in a combination appropriate to the degree and nature of exposure, should be selected from the following list:-

- (1) Eye protection
- (2) Neoprene, butyl rubber gloves
- (3) Leather boots

CONTAMINATION

If contamination occurs, change clothing taking care to avoid skin contact with the contaminated area, and discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse. Observe good personal hygiene. Eye wash fountains and safety showers should be available for emergency use.

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.

Engineering Controls Use well-ventilated area.

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.

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, smoking, applying cosmetics or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow-green liquid.
Boiling Point : Approx 100 deg.C.
Vapour Pressure: 2.4 kPa at 20 deg.C.

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Specific Gravity:	1.2
Odour:	None
Flash Point:	None
Flammability Limits:	None
Solubility in Water:	Soluble
Other Properties	
pH (neat)	Less than 1

Effect on metals :

Steel at 20°C. Slight

Aluminium at 20°C. Slight

Enviro Agi Clean concentrate is designated "Dangerous Goods" according to the Australian Dangerous Goods Code, because corrosion of aluminium exceeds 6.25mm per year at 55°C.

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions of use.
HAZARDOUS DECOMPOSITION PRODUCTS:	Emits chocking and corrosive fumes when heated to decomposition.
HAZARDOUS POLYMERIZATION:	Will not occur.
INCOMPATIBILITIES:	Incompatible with materials incompatible with acids including alkalis, oxidizing agents, pool chlorination products, cyanides.
CONDITIONS TO AVOID:	Heat, flames.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

ACUTE HEALTH EFFECTS:

Swallowed:	Ingestion will cause irritation to mouth, throat and stomach.
Eye:	Contact with eyes will cause irritation..
Skin:	Prolonged contact will cause irritation to the skin. May cause stinging if it comes into contact with a cut or broken skin.
Inhaled:	Unlikely route of exposure as the concentrate does not fume. Inhalation of mists when in use may cause irritation to the nose, throat and respiratory system.
Chronic:	Prolonged contact with eyes may cause severe eye irritation and damage.
Toxicological Data:	There is no other toxicological data available.

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.

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14. TRANSPORT INFORMATION

UN Number: 1760
Proper Shipping Name: ACS Enviro Agi Clean
Dangerous Goods Class: 8
Packing Group: III
Hazchem Code: 2X {Au}

15. REGULATORY INFORMATION

Poison Schedule: Not scheduled.
Inventory Status: All Ingredients are on the inventory.

16. OTHER INFORMATION

PRINCIPAL REFERENCES:

Material Safety Data Sheet – River Sands Pty Ltd
Issue date: 11th February 2011
Issued by : James Manikath – Technical Manager
Supersedes: None

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 ISSUE: 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 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.

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