

Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Details: Hanson Construction Materials Pty Ltd
ABN 90 009 679 734
Address Level 10, 35 Clarence street
Sydney 2000
Tel/Fax Tel: +61 2 9323 4000 Fax: +61 2 9323 4500
Emergency Contact 1800 882 478
No

Product: Recycled water
Other NA
Names/Synonyms

Use Concrete batch plant recycled process water
Other Information NA

SECTION 2: HAZARDS IDENTIFICATION

**HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA
CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

Classification of the substance or mixture

GHS classifications

Skin Corrosion Category 1
Serious Eye Damage – Category 1
Skin Sensitisation Category 1
Specific Target Organ Toxicity (Repeated Exposure) Category 2

Label elements

Signal word WARNING **Pictograms**



Hazard Statement(s)

H302 – Harmful if swallowed
P280 – Wear protective gloves/clothing/eye protection.
H314 – Causes severe skin burns and eye damage
H317 – May cause an allergic skin reaction
H318 - Causes serious eye damage

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Prevention Statement(s)

- P264 - Wash thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product
- P272 - Contaminated work clothing should not be allowed out of the workplace
- P280 - Wear protective gloves/ protective clothing.

Response Statement(s)

- P301, P330 - If swallowed, rinse mouth. Do NOT induce vomiting.
- P303, P361, P353 - If on skin, immediately remove all contaminated clothing. Rinse skin with water.
- P305, P351, P338 – If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to
- P312 - Call a Poison Centre or doctor if you feel unwell.
- P314 - Get medical advice/attention if you feel unwell.
- P333, P313 – If skin irritation or rash occurs, get medical advice/attention.
- P363 - Wash contaminated clothing before reuse.

Storage Statement(s)

None Allocated

Disposal Statement(s)

- P501 Dispose of contents/container in accordance with relevant regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

All significant constituents are listed below:

Major Ingredients

Name	CAS	Proportion
Lime Ca(OH) ₂ *	1305-62-0	0 - 20 %
Water	7732-18-5	0 - 100 %

Other ingredients may be added:

Pigments: (metallic oxide colours)	0-10%
Chemical Admixtures:	2-10%

SECTION 4: FIRST AID MEASURES

Swallowed	Rinse mouth and lips with water. Do not induce vomiting. If symptoms persist, seek medical attention
Eye	Flush thoroughly with flowing water, while holding eyelids open, for 15 minutes to remove all traces. If symptoms such as irritation or redness persist, seek medical attention
Skin	Remove heavily contaminated clothing. Wash off skin thoroughly with water. Use a mild soap if available. Shower if necessary. Seek medical attention for persistent redness, irritation or burning of the skin
Inhaled	NA
First Aid Facilities	Safety Showers , Eye wash and normal washroom facilities

Advice to Doctor: Treat symptomatically or consult a Poisons Information Centre

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SECTION 5: FIRE FIGHTING MEASURES

Flammability:	Not flammable or combustible
Hazards from combustion products:	None
Suitable extinguishing media:	Not applicable
Special protective precautions and equipment for fire fighters:	None
Hazchem code:	2R

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills:

- Evacuate all unnecessary personnel. Wear protective clothing to minimise skin and eye exposure. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Disposal:

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

SECTION 7: HANDLING AND STORAGE

Storage Precautions No special storage requirements

Transport This material is a Class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 8 - Corrosive Substances are incompatible in a placard load with any of the following:
Class 1, Explosives
Class 4.3, Dangerous When Wet Substances
Class 5.1, Oxidising Agents & Class 5.2 - Organic Peroxides
Class 6, Toxic Substances (where the Toxic substances are cyanides and the corrosives are acids),
Class 7, Radioactive Substances and are incompatible with food and food packaging in any quantity

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 CORROSIVE LIQUID, N.O.S.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection:

- Skin:** Prevent all contact with skin
When handling recycled water personnel should wear loose comfortable clothing and impervious boots, suitable protective/impervious gloves Contact with recycled water will cause severe irritation and possible chemical burns, and dry skin (pH of 11.5 -13). 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 Remove all contaminated clothing. Wash gently and thoroughly with tepid water and non-abrasive soap. If irritation develops and persists seek medical attention. Wash hands before eating, or smoking
- Eyes** Safety glasses with side shields or safety goggles (AS/NZ 1336) or a face shield should be worn
- Respiratory:** No special respiratory protection required



- Glove Type** The use of Neoprene gloves is recommended.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to turbid liquid
Odour	Some added ingredients used in concrete washout waste may create a smell of ammonia
Ph	>11.5
Vapour Pressure	Not determined
Vapour Density	Not determined
Boiling Point/range	100°C
Freezing/melting point	Freezing 0°C
Solubility	Soluble.
Specific gravity	1 (water=1)
Flash Point	Not applicable
Upper and lower flammability Limits	Not applicable
Ignition Temp	Not applicable
Particle Size	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Chemically Stable
Condition to avoid:	None
Incompatible materials:	None
Hazardous Decomposition: Products	None
Hazardous Reactions:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Health Effects

Acute (short term)-

Swallowed	Not a likely source of exposure, however will cause irritation to the mouth, oesophagus and stomach. Symptoms of exposure can include nausea, vomiting and abdominal pain
Eye	Will cause severe irritation and possible chemical burns in contact with the eyes, which can result in stinging, pain and possible corneal injury. Risk of serious damage to eyes which may result in permanent eye damage to blindness
Skin	Will cause irritation in contact with the skin, which can result in redness, itching and contact dermatitis. Contact will cause severe irritation and possible chemical burns, cement dermatitis and dry skin
Inhaled	Inhalation of vapours or mist may result in irritation to the mucous membrane and upper airways. Symptoms of exposure can include nausea, headaches, coughing and breathing difficulties

Chronic (long term) -

Eyes	Risk of serious damage to eyes which may result in permanent eye damage
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Skin	to blindness Repeated or prolonged skin contact can dry the skin and cause alkali burns due to the caustic nature of the product. This condition is described as irritant contact dermatitis. Some individuals may experience allergic dermatitis
Inhaled	Inhalation of vapours or mist may result in irritation to the mucous membrane and upper airways. Symptoms of exposure can include nausea, headaches, coughing and breathing difficulties

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Is a alkaline slurry containing high % of water
Persistence and Degradability	Product is persistent and would have a low degradability
Mobility	High mobility

SECTION 13: DISPOSAL CONSIDERATIONS

Spills and Leaks

- Evacuate all unnecessary personnel. Wear protective clothing to minimise skin and eye exposure. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Disposal

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

SECTION 14: TRANSPORT INFORMATION

UN Number	1760
UN proper Shipping name	Corrosive Liquid N.O.S
Class and subsidiary risk	None Allocated
Packing Group	None Allocated
Hazchem Code	2R
Special precautions for user	See Above
DG class	8

SECTION 15: REGULATORY INFORMATION

- Classification
- Hazardous according to ASCC/NOHSC
 - Classified as Dangerous Goods

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Classification

Hazardous according to ASCC/NOHSC criteria.
Classified as Dangerous Goods

Hazard Symbol None allocated
Poisons Schedule None allocated

SECTION 16: OTHER INFORMATION

Emergency Contact No (All hours)

1800 882 478

Emergency Contact No (Office Hours)

Contact For further information contact the Risk Manager at your nearest Hanson office;

New South Wales & ACT

Level 18, 2-12 Macquarie St
Parramatta, NSW, 2150
Ph: (02) 9354 2600
Fax: (02) 9354 2699

Tasmania

114 Gormandston Road
Moonah, TAS, 7009
Ph: (03) 6272 6796
Fax: (03) 6272 1714

South Australia

55 Galway Avenue
Marleston, SA, 5033
Ph: (08) 8292 5950
Fax: (08) 8292 5995

Northern Territory

Winnellie Road Level 1
Winnellie, NT, 5789
Ph: (08) 8984 4266
Fax: (08) 8984 3717

Victoria

601 Doncaster rd
Doncaster, VIC, 3108
Ph: (03) 9274 3700
Fax: (03) 9274 3794

Queensland

10 The Boulevard
Brisbane Airport 4008
Toowong, Qld, 4066
Ph: (07) 3246 5500
Fax: (07) 3246 5533

Western Australia

level 1 35 Great Eastern Highway
Rivervale, WA, 6103
Ph: (08) 9311 8811
Fax: (08) 9470 2793

Authorised by: Paul Johnston

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