



# SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

<b>Product Identifier</b>	<b>CALCIUM, LIME AND RUST REMOVER</b>
<b>Other Names</b>	None
<b>Manufacturer's Product Code</b>	16413
<b>Recommended Use</b>	Acidic liquid detergent

### Details of Supplier/Manufacturer

Company:	Recochem Inc. ABN: 69 010 485 999
Address:	1809 Lytton Road, Lytton, Queensland 4178
Phone:	(07) 3308 5200 Fax: (07) 3308 5201
Website:	www.recochem.com.au

### Emergency Telephone Numbers

Business Hours:	(07) 3308 5200
After Hours:	1300 131 001
Poisons Information:	Australia: 13 11 26 New Zealand: 0800 764 766

## SECTION 2 HAZARDS IDENTIFICATION

<b>Hazardous chemical</b>	<i>according to classification by Safe Work Australia</i>
<b>Dangerous goods</b>	<i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i>

<b>Signal Word</b>	<b>WARNING</b>
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<b>GHS Classification</b>	<b>Pictogram</b>	<b>Hazard statement</b>
Chronic Aquatic Toxicity, Category 3	N/A	H412 Harmful to aquatic life with long lasting effects

### Precautionary statements:

<b>GENERAL</b>	
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
<b>PREVENTATIVE</b>	
P273	Avoid release to the environment
<b>RESPONSE</b>	
P391	Collect spillage

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**SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS**

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**Ingredients Names and Proportions**

Chemical Entity	CAS Number	Proportion (%)
Sulphamic Acid	5329-14-6	< 10
Glycolic Acid	79-14-1	< 10
Surfactants	-	< 5
Other non-hazardous ingredients	-	balance

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**SECTION 4 FIRST AID MEASURES**

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**Description of necessary first aid measures**

Inhalation:	Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin Contact:	If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If any irritation persists, seek medical attention.
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes and seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Give a glass of water and seek immediate medical attention.

**Symptoms caused by exposure**

Inhalation:	May cause irritation and possible chemical burns to the respiratory tract and nasal passages.
Skin:	May cause irritation. Prolonged contact may cause chemical burns.
Eye:	May cause severe irritation and reddening. Prolonged contact may cause permanent damage.
Ingestion:	May cause burns to the mouth and digestive tract.

**Medical attention and special treatment**

Treat symptomatically.

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**SECTION 5 FIRE FIGHTING MEASURES**

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**Suitable extinguishing equipment**

Use water fog, or fine spray mist to extinguish.

**Specific hazards arising from the chemical**

Fire or excessive heat may produce hazardous decomposition products such as nitrous gases and sulphur oxides.

**Special protective equipment and precautions for fire fighters**

Wear full protective clothing and self-contained breathing apparatus. Hazchem code 2X.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures**

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Spills may be slippery. Ensure that any alkalis, chlorine based products or other products of incompatible classes near the spill are removed. Dam and recover.

**Environmental precautions**

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using appropriate barriers.

**Product: CALCIUM, LIME AND RUST REMOVER**

**Methods and materials for containment and cleaning up**

Collect with inert absorbent material such as sand or earth. Consult Local Authority on disposal.

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**SECTION 7 HANDLING AND STORAGE**

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**Precautions for safe handling**

Non-combustible material. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Always use clean and dry equipment to dispense the product. Dispenser should be cleaned before and after use. All dispensers should be washed out after use.

**Conditions for safe storage, including any incompatibilities**

Dangerous goods for storage. When not being used, the containers should be stored upright and secured with the original closure. If transfer to another container becomes necessary, ensure that the container is clearly labelled, is of a type suitable for the product, and is clean and free of other materials. Do not store near chlorine based chemicals.

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**SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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**Exposure control measures**

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia –  
No exposure standard data is available.

**Biological monitoring**

No biological limit allocated.

**Engineering controls**

Ensure that adequate ventilation is provided. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

**Individual protection measures**

Eye and face protection:	Wear safety goggles.
Skin protection:	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Respiratory protection:	If work practices do not provide adequate ventilation, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Thermal hazards:	Not applicable.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance:	Pale clear yellow liquid
Odour:	Data not available
Odour threshold (ppm):	Data not available
pH:	0 - 1 approx.
Melting point/freezing point (°C):	0 approx.
Initial boiling point and boiling range (°C):	100 approx.
Flash point (°C):	Data not available
Evaporation rate (Butyl acetate = 1):	Data not available
Flammability:	Non-combustible
Upper/lower flammability or explosive limits (%):	Data not available

**Product: CALCIUM, LIME AND RUST REMOVER**

Vapour pressure (kPa):	Data not available
Vapour density (air = 1):	Data not available
Density (g/ml @ 15°C):	1.20 – 1.30
Solubility:	Soluble in water
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	Data not available
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm <sup>2</sup> /s @ 20°C):	Data not available

**SECTION 10 STABILITY AND REACTIVITY****Reactivity**

Will react violently with alkaline materials, generating heat. Will react releasing chlorine gas from chlorinated detergents.

**Chemical stability**

Stable under normal conditions of use.

**Possibility of hazardous reactions**

Stable under normal conditions of use.

**Conditions to avoid**

Do not store near high heat sources.

**Incompatible materials**

Alkaline materials, strong oxidising or reducing agents.

**Hazardous decomposition products**

Data not available.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Acute toxicity:	Data not available.
Skin corrosion/irritation:	Potentially irritating to skin. Prolonged contact may cause chemical burns.
Serious eye damage/irritation:	Potentially severely irritating to eyes. Prolonged contact may cause permanent damage.
Respiratory or skin sensitisation:	Not expected to be a sensitiser.
Germ cell mutagenicity:	Not expected to be mutagenic.
Carcinogenicity:	Not expected to be carcinogenic.
Reproductive toxicity:	Not expected to affect reproduction.
Specific Target Organ Toxicity (STOT) – single exposure:	Data not available.
Specific Target Organ Toxicity (STOT) – repeated exposure:	Data not available.
Aspiration hazard:	Data not available.

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Concentrated product, harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Dilute well with water and dispose of as per Local Authority regulations. Do not allow concentrated product to enter drains, waterways or sewers.

Acute toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Chronic toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

**Persistence and degradability**

Data not available.

**Bioaccumulative potential**

Data not available.

**Mobility in soil**

Data not available.

**Other adverse effects**

Data not available.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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<b>UN number:</b>	3264
<b>Proper shipping name:</b>	Corrosive Liquid N.O.S.
<b>Australian Dangerous Goods class:</b>	8
<b>Australian Dangerous Goods packing group:</b>	III
<b>Hazchem code:</b>	2X

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**SECTION 15 REGULATORY INFORMATION**

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Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	5
Australian Inventory of Chemical Substances (AICS):	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	37

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**SECTION 16 OTHER INFORMATION**

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Date of preparation:	24/11/2015
Revision number:	4
Changes in this revision:	Update to GHS SDS standard

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This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. Recochem cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact Recochem on (07) 3308 5200.

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