



SAFETY DATA SHEET

SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

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

Details of Supplier/Manufacturer

Company:	Recochem Inc. ABN: 69 010 485 999
Address:	1809 Lytton Road, Lytton, Queensland 4178
Phone:	+617 3308 5200 Fax: +617 3308 5201
Website:	www.recochem.com.au

Details of Distributor

Company:	Owens Logistics
Address:	3-5 Kahu Street, Otahuhu, Auckland
Phone:	(09) 270 1310 Fax: (09) 270 1311

Emergency Telephone Numbers

Poisons Information:	0800 764 766
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SECTION 2 HAZARDS IDENTIFICATION

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

Signal Word	DANGER
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GHS Classification	Pictogram	Hazard statement
Skin Corrosion/Irritation, Category 1A	 CORROSION	H314 Causes severe skin burns and eye damage
Eye Damage/Irritation, Category 1		H318 Causes serious eye damage
Chronic Aquatic Toxicity, Category 3	N/A	H412 Harmful to aquatic life with long lasting effects

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

GENERAL	
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
PREVENTATIVE	
P260	Do not breathe mist/vapours/spray
P264	Wash thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
RESPONSE	
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303 + P361 + P353	IF ON SKIN (or hair): Take off contaminated clothing and wash before reuse. Rinse skin with water/shower
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician
P363	Wash contaminated clothing before reuse
P391	Collect spillage

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS**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

SECTION 4 FIRST AID MEASURES**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.

Product: CALCIUM, LIME AND RUST REMOVER

Medical attention and special treatment

Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

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.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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.

Methods and materials for containment and cleaning up

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

SECTION 7 HANDLING AND STORAGE

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.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

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.

Product: CALCIUM, LIME AND RUST REMOVER**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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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
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 ² /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.

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

SECTION 12 ECOLOGICAL INFORMATION**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.

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

Data not available.

Mobility in soil

Data not available.

Other adverse effects

Data not available.

SECTION 13 DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION

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

SECTION 15 REGULATORY INFORMATION

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
New Zealand HSNO, Classification:	Cleaning Products (Subsidiary Hazard) Group Standard: Classification – 8.2A, 8.3A

SECTION 16 OTHER INFORMATION

Date of preparation:	14/08/2017
Revision number:	5
Changes in this revision:	Updated hazard classification Updated NZ HSNO information

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 +617 3308 5200.
