



Descale

Date of Issue: 14th December 2011

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name	Rhima Descale
Code	50154
Product Use	Low foam acidic descaler
Company Name	Rhima Australia (ABN 63 007 242 604)
Address	72 – 74 Woodlands Drive, Braeside, Victoria 3195, Australia
Telephone	03 8586 5444
Facsimile	03 8586 5454
Emergency Phone	1800 803 997

2. HAZARDS IDENTIFICATION

Classification	HAZARDOUS SUBSTANCE. DANGEROUS GOODS. Poisons Schedule S6.
Risk Phrase	R34 Causes burns.
Safety Phrases	S1/2 Keep locked up and out of the reach of children. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Phosphoric acid	7664-38-2	>60%
	Ingredients determined not to be hazardous	Not required	Balance

4. FIRST AID MEASURES

Ingestion	If swallowed do NOT induce vomiting. Immediately wash out mouth with water. Seek urgent medical attention.
Eye	If in eyes, hold eye lids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek urgent medical attention.
Skin	If skin contact occurs, remove contaminated clothing and flush skin and hair with running water. Do not re-use contaminated clothing until washed. Seek medical attention.
Inhaled	Not normally a problem due to method of use. However if breathing is affected, remove victim from contaminated area. If problem persists seek urgent medical attention.
First Aid Facilities	An eye wash fountain and general washing facility should be available adjacent to the work area.
Advice to Doctor	Treat symptomatically. For advice contact a Poisons Information Centre. (Phone Australia 131 126; New Zealand 0800 764 766)

MATERIAL SAFETY DATA SHEET24 HOUR ACCIDENT EMERGENCY LINE
1800 803 997



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5. FIRE FIGHTING MEASURES

Extinguishing Media	Use appropriate extinguishing media to suit surrounding area. Do not use a direct water stream.
Hazards from Combustion	Material does not burn. If involved in fire hazardous decomposition products include toxic gases and vapours.
Precautions for Fire Fighters	Wear chemical splash suit and SCBA. Keep containers cool by spraying with water. Contact with metals may evolve flammable hydrogen gas.
Hazchem	2R

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Keep unauthorised people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Clean Up	For minor spills mop up and rinse with water. For larger spills absorb material on mineral absorbent material or absorbent pads. Neutralise with soda ash or lime. Collect and put into plastic bags or containers and dispose of through waste disposal contractor. Rinse area with water.

7. HANDLING AND STORAGE

Handling	Wear appropriate protective clothing to prevent skin and eye contact. Use in well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product.
Storage	Corrosive product. Store in a cool, dry, well ventilated place out of direct sunlight. Store in closed containers. Store away from incompatible materials such as caustic compounds, chlorine bleaches, aluminium or zinc. Ensure storage area is secure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards	Exposure standards for phosphoric acid are: TWA 1mg/m ³ STEL 3 mg/m ³
Engineering Controls	Ensure ventilation is adequate to maintain air concentrations below exposure standards. Use product in tanks or CIP systems. Do not use through high pressure spray units.
Personal Protective Equipment	Wear overalls, chemical goggles or face mask, safety shoes or boots and impervious gloves. If mist or vapour exists wear respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Solubility in Water	Soluble
pH	<1
Flash Point	Not applicable
Melting Point	Not applicable
Boiling Point	Not available
Specific Gravity	1.34

10. STABILITY AND REACTIVITY

Stability	Stable product
Hazardous	Will not occur
Polymerisation	
Conditions to Avoid	Do not mix with caustic compounds or chlorine bleaches.
Incompatible Materials	Reacts violently with caustic and evolves chlorine gas if mixed with chlorine bleach. Attacks aluminium, tin and zinc and concrete.

11. TOXICOLOGICAL INFORMATION

Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and bleeding. Can cause chemical burns to the mouth, oesophagus and gastrointestinal tract.
Eye	Corrosive to eyes. Will cause severe irritation and chemical burns. Contamination of eyes can result in permanent injury or blindness if not treated promptly.
Skin	Contact with skin will result in severe irritation. Corrosive to skin – may cause skin burns.
Inhalation	Vapours and mists cause severe irritation to the mucous membranes and upper respiratory tract.
Chronic Effects	Prolonged or repeated exposure to this product will result in skin irritation and possibly result in dermatitis.
Toxicological Data	For phosphoric acid Oral LD L50 : 1530mg/kg (rat) Skin 595mg/24H: Severe (rabbit) Eye 119mg: Severe (rabbit) (Reference: Dangerous Properties of Industrial Materials 7 th Edition)

12. ECOLOGICAL INFORMATION

Ecotoxicity	Ecotoxicity value :For phosphoric acid TLm mosquito fish 138mg/L/24-96 hr in turbid water at 22 – 24 °C. Avoid contaminating waterways.
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13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through licensed waste contractor. Assure conformity with all applicable regulations.



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14. TRANSPORT INFORMATION

UN No.	1805
Proper Shipping Name	PHOSPHORIC ACID
Hazchem Code	2 R
Class	8 Corrosive
Packing Group	III

15. REGULATORY INFORMATION

Classification	This material is classified as hazardous according to criteria of Safe Work Australia
Approvals	C: Corrosive

16. OTHER INFORMATION

Contact Point	Rhima Australia. Phone 03 8586 5444 24 hour medical emergency 1800 803 997
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