

Section 1: Identification of the Substance/Mixture and of Supplier

Product name: L/S/R LIME SCALE REMOVER

Recommended use: As an acidic cleaner for the removal of lime scale in machine dishwashers

Supplier: Space Industries Limited

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Wiri, Auckland
New Zealand

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Website: www.spaceindustries.co.nz

Emergency Telephone: 0800 764 766 (all hours)

Date of preparation: 11 April 2017

Section 2: Hazards Identification



ERMA Approval Code: HSR002526

Hazard Classification: 6.1D (oral), 8.1A, 8.2C, 8.3A, 9.1D (other), 9.3C

Section 3: Composition/information on ingredients

Product Description: A acidic cleaner for the removal of lime scale in machine dishwashers

Hazardous Component(s): ORTHOPHOSPHORIC ACID

CAS Number: 7664-38-2

Proportion: 30-50%

CAS Number: HYDROCHLORIC ACID

Proportion: 7647-01-0

Risk Phrases: <2%
R20, R21, R22

Section 4: First Aid Measures

Show this Safety Data Sheet to a Doctor

Inhalation: Remove from source of vapour

Skin Contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek medical assistance if the effects persist.

Eye Contact: Irrigate eyes with generous quantities of water for 15 minutes. Remove contact lenses, if

Ingestion:	present and easy to do. Seek medical assistance if the effects persist. Immediately remove product from mouth.. DO NOT induce vomiting. Give a glass of water to effectively dilute the product. Seek immediate medical attention. Neutralise the acid with copious quantities of milk followed by milk of magnesia.
Notes for the Doctor:	Treat symptomatically.
For advice, contact the Poisons Information Centre 0800 764 766 or a doctor	

Section 5: Fire Fighting Measures

Specific Hazards:	Product is non-combustible, however the packaging material may burn to emit noxious fumes.
Suitable Extinguishing Media:	Extinguish fires with water spray, foam, carbon dioxide or dry chemical powder.
Fire-fighting advice:	Fire fighters should wear a self contained breathing apparatus to minimise risk of exposure to vapour or products of combustion.

Section 6: Accidental Release Measures

Emergency Procedures	Spillages are slippery. Keep spectators away – rope off the area. Avoid accidents, clean up immediately. Ensure adequate ventilation. Wear protective equipment to prevent skin and eye contamination.
Methods and Materials for Containment and Clean Up	Dike and neutralize with soda ash or slaked lime. Absorb with dry earth, sand or other similar material, shovel up and dispose of in an area approved by local authority by-laws. may be safely mopped up and area washed with excess water. Residues may be safely flushed to drain, if permitted. Incineration of disposed material is not recommended, as it is unlikely to adequately burn.

Section 7: Handling and Storage

Handling:	<ul style="list-style-type: none"> • Ensure an eye bath is available and ready for use. • Observe good personal hygiene practices and recommended procedures. • Wash hands thoroughly after handling. • Do not eat, drink or smoke when using this product. • Store away from foodstuffs. • Avoid eye and skin contact.
Storage:	<ul style="list-style-type: none"> • Store in a cool, dry, well-ventilated area. • Keep product from freezing. • Keep containers tightly closed when not in use. • Inspect regularly for deficiencies such as damage or leaks. • Protect against physical damage.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:	No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).
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Engineering Control Measures:	Use in a well ventilated area.
Personal Protective Equipment:	Safety glasses or goggles. Rubber gloves for prolonged use.

Section 9: Physical and Chemical Properties

Physical state:	Mobile liquid
Colour:	Clear/colourless
Odour:	Faint acidic odour
Boiling/melting Point:	no information available
Specific Gravity/Bulk	S.G. 1.19
Vapour Pressure:	no information available
Flash Point (°C):	none
Percent Volatilise:	71.0% at 100°C
Flammability Limits:	none
Autoignition Temperature:	no fire hazard from the product or its ingredients.

Section 10: Stability and Reactivity

Stability:	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	It is a moderately acidic: the pH of 1% solution is 1:7. Not safe for use on anodised aluminium
Hazardous Decomposition Products:	Whilst the product itself is not flammable, contact with most common metals can liberate flammable Hydrogen gas.

Section 11: Toxicological Information

Ingestion:	Corrosive and harmful if swallowed
Eye contact:	Corrosive to eyes, may cause severe and permanent damage
Skin contact:	The product is corrosive to the skin.
Inhalation:	Vapours are irritating when inhaled.

Section 12: Ecological Information

Environmental fate, persistence and degradation:	Avoid contaminating waterways. Slightly harmful in the aquatic environment or are otherwise designed for biocidal action. Biodegradable
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Section 13: Disposal Considerations

<ul style="list-style-type: none"> • Recycle wherever possible. • Consult approved Waste Management Company for disposal options. • Treat and neutralise residue at an approved site. • Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.
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Section 14: Transport Information

Road and Rail Transport:	Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.
UN No:	1760
Class-primary	8
Packing Group:	III
Proper Shipping Name:	PHOSPHORIC ACID
Hazchem Code:	2R
Marine Transport:	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS
UN No:	1760
Class-primary	8
Packing Group:	III
Proper Shipping Name:	PHOSPHORIC ACID

Section 15: Regulatory Information

Classification:	6.1D (oral), 8.1A, 8.2C, 8.3A, 9.1D (other), 9.3C
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Section 16: Other Information

<p>.Issue Date: 11 April 2017</p> <p>Note: All information given by Space Industries Ltd is offered in good faith and is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all information relevant to usage is offered without warranty or guarantee and should not be construed as a representation that the product is suitable for any particular purpose or application.</p>
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