

RYDLYME MARINE

MATERIAL SAFETY DATA SHEET

Date of Issue: January 2007

STATEMENT OF HAZARDOUS NATURE

This substance has been classified as Non-Hazardous according to criteria of NOHSC and a Non-Dangerous Good according to DOIR.

COMPANY DETAILS

IMPORTER: RYDLYME INTERNATIONAL Pty Ltd (ACN: 108 066 011)
76 McCoy Street Myaree Western Australia 6154

Postal address : PO Box 1 South Perth WA 6951

Telephone Number: (08) 9333 0777

Fax Number: (08) 9333 0700

Emergency Telephone Number: 0418 927 967

IDENTIFICATION

Product Name: RYDLYME MARINE

UN Number: None

Dangerous Goods Class and Sub-risk: None

Hazchem Code: None

Emergency Procedure Guide: None

Packaging Group: None

Poisons Schedule No: None

Uses: A liquid descaler that dissolves scale, lime, mud, rust and water formed deposits in water operated or cooled equipment.

Physical Description /Properties

Appearance: Dark liquid with a cherry like smell

Flashpoint (°C): No flashpoint – extinguishes flame

Flammability Limits (%): Not applicable

Boiling Point (°C): 101°C

Vapour Pressure: 30 mm Hg
(pascals or mm of Hg at 25°C)

Solubility in Water (g/L):

Miscible

Specific Gravity: 1.045

Vapour Density, (Air=1): Greater than 1

Other properties:

Reactivity: Stability:

Stable

Incompatibilities:

Strong caustics

Hazardous Decomposition Products:

None

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

Excessive heating

pH (concentrate): 1 – 1.2

Ingredients

Chemical Entity:	CAS No:	Proportion (%):
Hydrochloric acid	7647-01-0	< 10
Ingredients determined not to be hazardous		10 - 20
Water	7732-18-5	to 100

HEALTH HAZARD INFORMATION

Health Effects

Acute

Swallowed: The concentrated liquid may be irritating if swallowed but is regarded as having low toxicity. Ingestion may cause an upset stomach and result in diarrhoea. Considered an unlikely route of entry in commercial/industrial environments.

Eye: The concentrated liquid may be irritating to the eyes and may cause reddening.

Skin: The concentrated liquid is mildly irritating to the skin and may cause stinging if it comes into contact with a cut or broken skin.

Inhaled: If the concentrate is misted it may be irritating to the upper respiratory tract. Considered an unlikely route of entry in commercial/industrial environments.

Chronic

First Aid

Swallowed: If ingested do not induce vomiting – drink milk, egg whites as directed by physician.

Eye: Rinse with copious amounts of water. Consult physician.

Skin: Rinse with copious amounts of water.

Inhaled: If mist is inhaled remove to fresh air. Seek medical attention

First Aid Facilities: None required.

Advice to Doctor: Treat symptomatically.

NOTE: Adverse effects on human health are not expected from the Rydlyme Marine solution.

PRECAUTIONS FOR USE

Exposure Standards:

RYDLYME MARINE

No value assigned by Work safe Australia for this material.

For constituents:

	<u>Peak Limitation</u>	
Hydrogen Chloride	5 ppm	7.5 mg/m ³

The Exposure Standard Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes. The exposure standard means the airborne concentration in the worker's breathing zone, exposure to which according to current knowledge should not cause adverse health effects nor cause undue discomfort to nearly all workers.

Engineering Controls: Use in a well-ventilated area.

Personal Protection: Respiratory protective devices should not normally be required. Rubber, nitrile, neoprene or PVC gloves should provide adequate protection. An apron should be worn to prevent the staining of work clothing or contact with skin. Safety glasses or safety goggles should be worn if there is a risk of splashing.

Do not eat, drink or smoke in work areas. Always wash hands before eating, drinking, smoking or using the toilet.

SAFE HANDLING INFORMATION

Handling & Storing: Preserve integrity of container
Can material be stored outside: Yes – maintain temperatures between 10° - 180° F
Is material freezable?: Yes
Other precautions: Most Rydlyme Marine cleanings can be accomplished within an average of two hours. Please use material only as directed. Do not heat. Use Rydlyme Marine at an ambient temperature. Vent circulating solution to atmosphere. Some adverse reactions may occur with some alloys of aluminium, magnesium and/or zinc. Please consult the manufacturer.

Spills and Disposal: Rinse with copious amounts of water to dilute. Sodium Bicarbonate may also be used to soak up and neutralise liquid. Expended or used material may be disposed of down sewer with water flush. Material is biodegradable – even as received.

Fire/Explosion Hazard:

Flash Point: No flash point, extinguishes flame
Extinguishing Media: Does not support combustion
Special Fire Fighting Procedures: None – water will control, as will CO₂ and dry chemicals
Unusual Fire & Explosion hazards: Non-combustible or explosive, breathing apparatus recommended.

OTHER INFORMATION

Acute Toxicity Data: No data available for this product.

CONTACT POINT Mr. K Cole

Title: MANAGING DIRECTOR

Telephone Number: 0418 927 967

References

Documentation of the Exposure Standards, National Occupational Health and Safety Commission, July 1990.

National Code of Practice for the Preparation of Material Safety Data Sheets, Work safe Australia, March 1994. [NOHSC:2011(1994)]

Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Work safe Australia, May 1995. [NOHSC:1003(1995)]

FOR ADDITIONAL INFORMATION PLEASE REVIEW THE RYDLYME MARINE SPECIFICATIONS OR CONTACT YOUR RYDLYME MARINE AGENT.

The information contained in this Material Safety Data Sheet is as up-to-date and accurate as possible. As *Rydlyme International Pty Ltd* cannot control the conditions under which this product is used, each user must consider the information in the specific context of the intended application.

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