

MATERIAL SAFETY DATA SHEET

Date of Issue: June 2005

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)
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IDENTIFICATION

Product Name: RYDLYME

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 roasted almond type odour.

Flashpoint (°C): Not applicable

Flammability Limits (%): Not applicable

Boiling Point (°C): 101°C

Vapour Pressure: 30 mm Hg

(pascals or mm of Hg at 25°C)

Specific Gravity: 1.045 gm/ml

Other properties:

Reactivity: Reacts with alkalis to generate heat.

pH (concentrate): 1 – 1.2

Solubility in Water (g/L):

miscible

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 diarrhea. 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: Rinse mouth with water. Do not induce vomiting. Drink milk or water. Seek medical attention.

Eye: Immediately wash the eye(s) with water for at least 15 minutes, holding the eyelid open. If irritation persists repeat washing. Seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin: Rinse off with running water for 5 minutes. If skin irritation occurs seek medical attention.

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

First Aid Facilities: None required.

Advice to Doctor: Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Standards:

RYDLYME

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.

Flammability: Not flammable or combustible.

SAFE HANDLING INFORMATION

Storage and Transport:

UN No: None

Packaging Group: None

Emergency Procedure Guide: None

Spills and Disposal: Prevent any spilled Rydlyme from entering the storm water system. If a spill occurs use an inert absorbent such as vermiculite, sand or soil to absorb the spilt Rydlyme. Collect the absorbed material and place in a sealable container for appropriate disposal. Neutralization of the residual Rydlyme can be achieved by the addition of sodium bicarbonate.

Fire/Explosion Hazard: Not flammable or combustible. No special fire fighting procedures required

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)]

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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