Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier — **DE-LYME**

Registration number — ECHA-67b3b986-d59d-4d4e-82be-5b18ebbbf282

1.2 Relevant identified uses of the substance or mixture — Lime and Mineral Scale Remover

Uses advised against — Not applicable

1.3 Supplied by (Authorised Rep. for CE)

PESKETT SOLUTIONS LTD
Unit 4-5 Brampton Business Park
55 Brampton Road
Eastbourne, East Sussex
BN22 9AF

Manufactured by

RUHOF CORPORATION
393 Sagamore Avenue, Mineola,
New York 11501-1919 USA

Effective Date: 11 October 2011
Data Sheet Reference:
Contact: Matthew Peskett
Email: matthew@ruhof.co.uk

1.4 Emergency Telephone Number — 01323 511038, 07973 166737

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Product Definition: Mono-constituent substance

Classification according to Regulation (EC) No. 1272/2008 and its amendments

Eye Contact — **R36** Irritation and Reddening, Category 1.
Skin Contact — **R38** Irritation Category 1.
Inhalation — **R37** Irritation of respiratory tract, Category 1.
Ingestion — **R22** Gastric upset and irritation. Category 1.

Classification according to Directive 67/548/EEC, 1999/45/EC and its amendments

Medical Conditions Generally Aggravated by Exposure: **R38**-DERMATITIS

Category of Danger? IRRITANT, XI, CONTAINS PHOSPHORIC ACID

2.2 Label elements

Hazard pictograms None

Hazard symbols

Risk phrase R36/37/38 Irritating to eyes, respiratory system and skin

2.3 Other hazards

No data available

Section 3: Composition/information on ingredients

Substance/mixture Mono-constituent substance

Product/ingredient name	Identifier	HSC(UK) WEL	% (Optional)
Phosphoric Acid	7664-38-2	1mg/M3	

Section 4: First-Aid Measures:

4.1 Description of first aid measures

Eye Contact — **S36** Flush 15 minutes with clean water
Skin Contact — **S28** Flush with a large amount of water, Neutralize with soap or Bicarbonate of soda
Inhalation — **S63** Remove to fresh air
Ingestion — **S62** If ingested (not likely) give one or two glasses of water and consult physician.

De-Lyme

4.2 Most important symptoms and effects, both acute and delayed

Eye Contact	Irritation and reddening
Skin Contact	Irritation
Inhalation	Irritation of respiratory tract
Ingestion	No specific data

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested.
Specific Treatments	No specific treatment

Section 5: Firefighting Measures

5.1 Extinguishing media

Extinguishing Media — Not Flammable

5.2 Special hazards arising from the substance or mixture

Fire/Explosion Hazards	Hydrogen Gas can be generated by contact with some metals.
Hazardous Decomposition/Byproducts	Will not occur

5.3 Advise for firefighters

Special Fire Fighting Procedures	Fight surrounding fire. Treat as a Chemical fire. Wear protective equipment.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	No action shall be taken involving any personal risk without suitable training. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also information in "For non-emergency personnel".

6.2 Environmental precautions — This product is full biodegradable. Follow all national or regional regulations for disposal.

6.3 Methods and material for containment and cleaning up

In Case Material Is Released or Spilled	NEUTRALIZE WITH BICARBONATE, SOAP, SODA ASH. MOP AND DISPOSE OF IN SANITARY SEWER IN ACCORDANCE WITH REGULATIONS.

6.4 Reference to other sections

See section 1 for emergency contact information.
See section 8 for information on appropriate personal protective equipment.
See section 13 for additional waste treatment information.

Section 7: Handling and storage

7.1 Precautions for safe handling — Handle with usual precautions for chemicals. Put on appropriate personal protective equipment (see Section 8). Do no ingest.

7.2 Conditions for safe storage, including any incompatibilities — Store in a cool dry area in accordance with local regulations. **S3/14** – KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM STRONG ALKALINES. **S18** - USE PRECAUTIONS FOR HANDLING ACIDS

7.3 Specific end use(s)

Recommendations	N/A
Industrial sector specific solutions	N/A

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Recommended monitoring procedures — If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect levels	No DELs available
Predicted effect concentrations	No PECs available

8.2 Exposure Controls

Eye Protection	S39 - Safety Glasses
Hand Protection/Gloves	S37- Plastic or Rubber
Respiratory Protection	Not usually needed
Special Clothing/ Equipment	S36 - APRON.
Other Work/Hygiene Precautions	Wash contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Clear Yellow Liquid
Odour:	Pleasant Odour
pH:	1.5
Boiling Point:	100°C
Melting Point:	N/A
Evaporation Rate:	1
Evaporation Standard:	Water

De-Lyme

Specific Gravity (Water=1):	1.2
Vapour Pressure (mm Hg):	As Water
Relative Density (Air = 1):	N/A
Solubility in Water:	Complete
9.2 Other information	No additional information

Section 10: Stability and Reactivity

10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical Stability	The product is stable.
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	None
10.5 Incompatible materials	**S14** - HYPOCHLORITES, CYANIDES, SOFT METALS
10.6 Hazardous decomposition products	HYDROGEN FROM CONTACT WITH SOFT METALS, OXIDES OF PHOSPHORUS.

Section 11: Toxicological Information

11.1 Information on toxicological effects

Carcinogenicity	No	Mutagenicity	No
NTP	No	Reproductive Toxin	No
IARC	No	Possible Sensitizer	No
HSC Regulated	No		

Section 12: Ecological information

12.1 Toxicity	Not applicable
12.2 Persistence and degradability	Biodegradable
12.3 Bioaccumulative potential	Low
12.4 Mobility in soil	Not applicable
12.5 Results of PBT and vPvB assessment	
PBT	No P: N/A. B: N/A. T: No.
vPvB	N/A vP: N/A. vB: N/A.
12.6 Other adverse effects	No known significant effects or critical hazards.

Section 13: Disposal Considerations

13.1 Waste treatment methods

Disposal Method	LANDFILL OF NEUTRALISED MATERIAL, OR SANITARY SEWER. HAVING BEEN NEUTRALISED BY USE, USED PRODUCT CAN BE DISPOSED OF TO SEWER. CONSULT LOCAL REGULATIONS ON PHOSPHATE DISPOSAL.

Section 14: Transport Information

14.1 UN number	N/A
14.2 UN proper shipping name	N/A
14.3 Transport hazard class(es)	N/A
14.4 Packing group	N/A
14.5 Environmental hazards	N/A
14.6 Special precautions for user	N/A
Product Regulated for Transport	No
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	N/A

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture

Special Health and Safety Information:	None
Classification:	None
Risk, and Safety Information for Label:	N/A
15.2 Chemical Safety Assessment	N/A

Section 16: Other information

NFPA 704(USA): Health=1 ; Flammability=0 ; Reactivity=0 ; Special=None
Sara Hazards: Fire? No ; Pressure? No ; Reactivity? NO ; Acute? Yes ; Chronic? No
The information provided in this COSHH Sheet/Safety data sheet has been obtained from sources believed to be reliable. The manufacturer provides no warranties, either expressed or implied and assumes no responsibility for accuracy or completeness of the data contained herein. The information is offered for your consideration and investigation. You should satisfy yourself that you have all current data relevant to you particular use. The manufacturer knows of no medical conditions other than those noted on this COSHH/Safety data sheet, which are generally recognised as being aggravated by exposure to this product.

De-Lyme