

## 1. Product and Company Identification

www.rxmarine.com

Product Name : Lime Scale Remover  
Part Number : RXSOL-11-1052-025

### Company Details:

**RX MARINE INTERNATIONAL**  
**105, A wing , BSEL , TECH PARK.**  
**VASHI ,NEW BOMBAY 400703 INDIA**

**Branch : Kandla, Sikka, Dahej, Hazira, JNPT, Goa, Mangalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Kolkata, UAE, Singapore.**

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## 2. Composition / Information on ingredients

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Name of Substance	Cas Number
PHOSPHORIC ACID	7664-38-2
ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE	68424-85-1
Quaternary Ammonium Chloride	68391-01-5
Propan-2-ol	67-63-0

## 3. Hazards Identification

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Classification (EC 1272/2008)	Not Classified
Physical hazards	
Health hazards	Skin Corr. 1B - H314 Eye Irrit. 2 - H319
Environmental hazards	Aquatic Chronic 3 - H412
Label elements	Pictogram
Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage. H319 Causes serious eye irritation. H412 Harmful to aquatic life with adverse
Precautionary statements	P280 Wear protective clothing, gloves, eye and face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical advice/ attention if you feel unwell. P501 Dispose of contents/ container in accordance with national regulations.
Contains	PHOSPHORIC ACID
Detergent labelling	< 5% cationic surfactants, < 5% non-ionic surfactants, Contains ALPHASOMETHYLIONONE, CITRONELLOL, LIMONENE

Supplementary precautionary P362+P364 Take off contaminated clothing and wash it before reuse.

statements

Other hazards None

## 4. First Aid Measures

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Description of first aid measures Inhalation

If spray/mist has been inhaled, proceed as follows. M

keep warm and at rest in a position comfortable for  
continues

Ingestion

Never give anything by mouth to an unconscious  
thoroughly with water. Get medical attention immedi

Skin contact

Remove affected person from source of contaminati

Eye contact

skin thoroughly with soap and water. Get medical att

Remove affected person from source of contaminati

Most important symptoms and effects, both acute and delayed Inhalation

eyelids wide apart. Continue to rinse for at least  
Continue to rinse.

Ingestion

This is unlikely to occur but symptoms similar to tho

Skin contact

May cause chemical burns in mouth and throat. May

Eye contact

This product is strongly corrosive.

Notes for the doctor

Causes serious eye damage

Treat symptomatically.

## 5. Fire-fighting Measures

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Suitable extinguishing media

The product is not flammable. Use fire-extinguishing me

Hazardous combustion  
products

None known.

Protective actions during firefighting

No specific firefighting precautions known.

Special protective equipment

Firefighter's clothing conforming to European standard E  
boots and gloves) will provide a basic level of protection f

for firefighters

## 6. Accidental Release Measures

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Personal precautions

Wear protective clothing as described in Section 8 of

Environmental Precaution

Avoid discharge to the aquatic environment. The prod

which may have hazardous effects on aquatic organis  
Section 13

Methods and materials for  
containment and cleaning up

Do not touch or walk into spilled material. Stop leak i  
sand or earth and place into containers. Flush contam

Reference to other sections

For personal protection, see Section 8.

## 7. Handling and Storage

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Precautions for safe handling Usage precautions

Storage precautions

Specific end use(s)

Avoid spilling. Avoid contact with skin and eyes.

Store in closed original container at temperatures below 30°C (see Section 10).

The identified uses for this product are detailed in Section 10.

## 8. Exposure controls and personal protection

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PHOSPHORICACID

Ingredient comments

DNEL

ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE (CAS: 68424-85-1) DNEL

PNEC

Personal Protection

Appropriate engineering controls

Other skin and body

protection

Hygiene measures

Respiratory protection

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup> WEL = Workplace Exposure Limit

WEL = Workplace Exposure Limits

Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup> General population - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

Workers - Inhalation; Long term systemic effects: 5.7 mg/kg/day General population - Inhalation; Long term systemic effects: 3.4 mg/kg/day

- Fresh water; 0.0009 mg/l - Marine water; 0.0009 mg/l - Sediment (Freshwater); 12.27 mg/kg - Sediment (Marine)

**Eye protection :** Eyewear complying with an appropriate standard indicates eye contact is possible. The following protection is recommended: eye protection, face shield.

**Hand protection :** Chemical-resistant, impervious gloves should be worn if

a risk assessment indicates skin contact is possible. Consultation with the glove supplier/manufacturer, taking into account the time of the glove material. It is recommended that natural rubber (natural, latex).

Avoid inhalation of vapours. Observe any occupational health and safety requirements.

Wear appropriate clothing to prevent any possibility of contact with the product.

Provide eyewash station and safety shower. Wash promptly after contact with the product.

Promptly remove any clothing that becomes contaminated with the product.

No specific recommendations



Gloves Suit

## 9. Physical and chemical properties

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Appearance

Liquid.

Colour

Blue.

Odour

Perfume.

Odour threshold

Not determined.

pH

pH (concentrated solution): 1.3

Melting point

Not determined.

Initial boiling point and range	Not determined.
Flash point	Not applicable
Evaporation rate	Not determined
Upper/lower flammability or explosive limits	Not applicable
Vapour density	Not determined.
Relative density	Not determined.
Vapor pressure	No data available
Relative vapor density	No data available
Relative density	Not applicable
Solubility(ies)	Soluble in water
Partition coefficient	Not determined.
Auto-ignition temperature	Not applicable
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for classification as oxidising.
Other information	None

## 10. Stability and reactivity

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Reactivity	The following materials may react with the product: Alkalis. Chemically-active metals. Inorganic halides. Oxidising agents.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Not known
Incompatible materials	Strong oxidising agents. Acid-reactive materials. Alkalis. Inorganic halides. Isocyanates. chlorine-based bleaching agents.
Hazardous decomposition products	No known hazardous decomposition products.
Condition to Avoid	Avoid excessive heat for prolonged periods of time. Avoid contact with the following materials: Strong alkalis. Oxidising materials.

## 11. Toxicological information

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Acute toxicity - oral	8,693.69
ATE oral (mg/kg)	
Acute toxicity - dermal Notes (dermal LD??)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	Based on available data the classification criteria are not met.
Notes (inhalation LC??)	
Skin corrosion/irritation	Corrosive to skin.
Skin corrosion/irritation	
Serious eye damage/irritation	Risk of serious damage to eyes.
Serious eye damage/irritation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Respiratory sensitisation	

Skin sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Germ cell mutagenicity	
Genotoxicity - in vitro	Does not contain any substances known to be mutagenic
Carcinogenicity	Does not contain any substances known to be carcinogenic.
Carcinogenicity	
Reproductive toxicity	Does not contain any substances known to be toxic to reproduction.
Reproductive toxicity - fertility	
Specific target organ toxicity - single exposure	No information available
STOT - single exposure	
Specific target organ toxicity - repeated exposure	No information available.
STOT - repeated exposure	
Aspiration hazard	Based on available data the classification criteria are not met.
Aspiration hazard	
Inhalation	May cause damage to mucous membranes in nose, throat, lungs and bronchial system
Ingestion	May cause chemical burns in mouth, oesophagus and stomach.
Skin contact	This product is corrosive.
Eye contact	May cause chemical eye burns.
Acute toxicity oral (LD??)	795.0
mg/kg)	
Species	Rat Rat
ATE oral (mg/kg)	795.0
Acute toxicity dermal (LD??)	1,560.0
mg/kg)	
Species	Rata
ATE dermal (mg/kg)	1,560.0
Skin corrosion/irritation	Primary dermal irritation index: 6.29
Animal data	

## 12. Ecological information

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Ecotoxicity	Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.
Persistence and degradability	No data is available on the degradability of this product
Bioaccumulative potential	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disrupting potential, global warming potential) are expected from this component.

## 13. Disposal considerations

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Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water
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