

1. Product and Company Identification

www.rxmarine.com

Product Name Heat Exchanger cleaner
Product Type RXSOL-16-1681-025

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat

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2. Composition / Information on ingredients

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Ingredient	%W/W	CAS number
Lactic acid (88%)	7-13	79-33-4
Phosphoric acid	15-40	7664-38-2
Oxalic Acid	5-10	144-62-7

3. Hazards Identification

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Corrosive liquid. Causes burns. Harmful if swallowed.

4. First Aid Measures

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Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Induce vomiting only on the direct advice of a poison control centre. Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.
Eye contact:	Flush with plenty of water for at least 15 minutes. Get medical attention.
Skin contact:	Remove contaminated clothing and flush with plenty of water.

5. Fire-fighting Measures

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Flash point (test method):	Not applicable
Flammable limits (%):	Non-flammable
Lower:	Not applicable
Upper:	Not applicable
Fire extinguishing substances:	Use extinguishing media appropriate for surrounding fire.
Autoignition temperatures:	Not applicable
Hazardous combustion products:	Not applicable
Explosion data:	
Sensitivity to mechanical impact:	Not applicable
Sensitivity to static discharge:	Not applicable
Special firefighting procedures:	As for surrounding fire. Fire fighters should wear full protective clothing

and self contained breathing equipment.

6. Accidental Release Measures

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Personal precautions:

Wear appropriate protective equipment.

Environmental precautions:

Prevent from entering sewers, waterways or low areas.

Methods for cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. Handling and Storage

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Handling:

Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage:

Keep out of reach of children. Keep container tightly closed. Store in a cool, dry area.

8. Exposure controls and personal protection

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Engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator

Eye protection:

Chemical goggles. Wear a face shield if splashing hazards exists.

Other protection:

Wear protective clothing as necessary to prevent skin contact.

INGREDIENT

ACGIH

OSHA

Other

lactic acid (88%)

Not available

oxalic acid

TLV - 1 mg/m³

Phosphoric Acid

9. Physical and chemical properties

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Information on basic physical and chemical properties:

Physical state

Liquid

Boiling point:

Not available

Vapour density:

Not available

Freezing point:

Not available

Sp. Gravity:

1.109

Appearance & odour:

100%

Solubility in water

Not available

Vapour pressure:

Not available

Evaporation rate:

Not available

Odour threshold:

Clear yellow liquid with pungent odour

pH: