

1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-11-1008-025

Product Type DESCALING LIQUID

Company Details:

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

Stock Point : Kolkata, Kandla, Chennai, Mumbai, Kandla, Fujairah, Visakhapatnam, Muscat, Nairobi Kenya, Canada

Phone +91 22 27815541 / 42

Fax +91 22 2781 1318 :: AOH : 0091 9821214367

Email mail@rxmarine.com

Website www.rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

Chemical Name

Concentration

CAS Number

EC Number

R Phrases*

Symbols

Chlorous Acid

20-40

7647-01-0

231-595-7

34, 37

C

Corrosion Inhibitor

5-10

NA

NA

NA

Phosphoric acid 32% 7664-38-2231-633-234C

Oxalo compound Mixture 6-8%-----

Acetic Acid 5-6% 64-19-7200-580-736-38C

*See Section 16

3. Hazards Identification

www.rxmarine.com



Corrosive

Odour

Strong smell of hydrogen chloride

Appearance

Liquid, pale yellow, soluble in water

Contact with eyes

Can cause damage to the eyes

Contact with skin

Prolonged skin or eye contact may cause chemical burns

Inhalation

Causes severe irritation, May cause breathing difficulty

Ingestion

Not regarded as a potential route of exposure., Causes burning sensation

4. First Aid Measures

www.rxmarine.com

Contact with skin

Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water. When in doubt or symptoms persist, seek medical attention. Contaminated clothing should be laundered before reuse.

Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes. Irrigate eyes thoroughly whilst lifting eyelids. Seek immediate medical attention. Continue flushing with water until medical help arrives.

Ingestion

Never make an unconscious person vomit or drink fluids. Give plenty of water to drink. Do not induce vomiting. Seek immediate medical attention.

Inhalation

Remove patient to fresh air. Keep warm and at rest, in a half upright position. Loosen clothing. When in doubt or symptoms persist, seek medical

attention.

General

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45).

5. Fire-fighting Measures

www.rxmarine.com

- Non combustible.
- Smoke from fires is corrosive, Hydrogen chloride may be formed.
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions.
- Substance evolves toxic fumes, wear self-contained breathing apparatus.
- Use water spray or fog to knock down and absorb corrosive fumes.

6. Accidental Release Measures

www.rxmarine.com

Personal Precautions

Wear protective clothing as per section 8 Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.

Environmental Precautions

Do not allow to enter public sewers and watercourses.

Immediate Actions

Use appropriate containment to avoid environmental contamination (S57).

Clean Up Actions

Absorb spillage in inert material and shovel up Ventilate the area and wash spill site after material pick-up is complete.

Special Precautions

Wear protective clothing as per section 8 Avoid release to the environment. Refer to special instructions/Safety data sheets (S61) Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.

7. Handling and Storage

www.rxmarine.com

Handling

Avoid contact with skin and eyes (S24/25). Do not breathe vapour/fumes (S23). Eyewash bottles should be available. Wear protective clothing as per section 8. Ensure adequate ventilation. In use, may form flammable/explosive vapour-air mixture (R18).

Storage

Keep only in the original container in a cool, well ventilated place (S3/9/49). Keep in acid store.

8. Exposure controls and personal protection

www.rxmarine.com

Exposure Limits

TLV (TWA) 20 ppm, 122 mg/m³ (1,2-Dichlorobenzene).

Exposure controls

The undiluted product must not be used in a confined space without good ventilation.

Occupational exposure controls

Wear approved respirator if exposure likely to exceed MEL/OES Wear goggles giving complete eye protection Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended).



Gloves

Suit

Visor

9. Physical and chemical properties

www.rxmarine.com

Odour

Strong smell of hydrogen chloride

Appearance

Liquid, pale yellow, Soluble in water

PH

<1.5 at 100 % concentration

Boiling point

~ 100 °C at 760 mm /Hg

Vapour pressure

105.5 at 20 deg C

Vapour density (air = 1)

1.26

Freezing point~

30 °C at 760 mm/Hg

Completely soluble in water

Specific gravity (water=1)

1.16

Non combustible

10. Stability and reactivity

www.rxmarine.com

- This article is considered stable under normal conditions, May cause rubber to swell
- Avoid overheating
- Incompatible with strong oxidizing substances, Contact with alkaline earth metals may form explosive gases, Contact with alkali metals may form explosive gases

11. Toxicological information

www.rxmarine.com

Contact with skin

In cases of severe exposure, redness and irritation may develop

Contact with eyes

Causes irritation

Ingestion

May cause gastro-intestinal disturbances

Carcinogenicity

No evidence of carcinogenic effects

12. Ecological information

www.rxmarine.com

Ecotoxicity

This product does not contain ingredients which are classified in the EU as dangerous for the environment.

Mobility

Completely soluble in water .

Persistence and Biodegradability

Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.

Bioaccumulation Potential

Bioaccumulation of the components in this product is insignificant. Other Adverse Effects No environmental problems are expected when the product is used / handled correctly.

13. Disposal considerations

www.rxmarine.com

Classification

This material and/or its container must be disposed of as hazardous waste EU Waste class Disposal considerations Do not discharge into drains or the environment, dispose to an authorised waste collection point Disposal should be in accordance with local, state or national legislation.

14. Transport information

www.rxmarine.com

Proper Shipping Name:

UN

Proper Shipping Name: Hydrochloric acid, solution

UN NO.

1789

Hazard Class 8 Packing Group II

Road/Rail (ADR/RID)

Proper Shipping Name

Hydrochloric acid, solution