

1. Product and Company Identification

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Product Name

Sea Water Scale Dissolver RXSOL-25-1048-020

Product Type SCALE CLEANER

Company Details:

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

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

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Email 123@rxmarine.com

Website www.rxmarine.com

2. Composition / Information on ingredients

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Chemical Name

Concentration

CAS Number

EC Number

R Phrases*

Symbols

Ethanoic Acid (Acetic Acid)

20-40

64-19-07

200-580-7

35, 10

C

Corrosion Inhibitor

2-5

NA

NA

NA

Polymeric Combination 35-40

Oxalo compound 6-8% for extra cleaning of scale and rust prevntion

Citric Acid 5-7%

*See Section 16

3. Hazards Identification

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Corrosive

Odour

Strong pungent smell

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

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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

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- 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

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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

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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

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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

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Odour

Strong smell

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

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- 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

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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

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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

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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

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Proper Shipping Name:

UN

Proper Shipping Name: Ethanoic Acid solution

UN NO.

2789

Hazard Class8PackingGroupII

Road/Rail(ADR/RID)

Proper Shipping Name

Ethanoic Acid solution

ADR UN No.

2789

ADR Hazard Class

8Tremcard

80GC1789-II

Sear (IMDG)

Proper Shipping Name

Ethanoic Acid

IMDG UN No.

2789

IMDG Hazard Class8IMDG PackGroup.:

II

IMDG EmSF-A, S-BIMDG subrisk

N/A

IMDG Labels

8

IMDG Flashpoint:

N/A

Air(ICA0/IATA)

ProperShippingName

Ethanoic Acid

IMDG UNNo

2789

IMDG HazardClass8ICAO PackingGroup

II

ICAO subriskN/AICAO Labels:

8+CAO

ICAO Flashpoint

N/A

DOT/ CFR(USDepartment ofTransportation

DOTProperShippingName

Ethanoic Acid

HazardousMaterial

Ethanoic Acid

HazardClass8IdentificationNumber:UN2789

Product RQ (lbs)

N/EDOTsubrisk:

N/A

DOTLabels

8

DOTFlashpoint:N/A

- Not classified as hazardous for transport

15. Regulatory information

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Risk Phrases

Irritating to eyes (R35 - R10)

Safety Phrases Irritant

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)Wear suitable gloves and eye/face protection (S45)

16. Other information

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Text of R and S phrase codes used in this safety data sheet:-

R34 Causes burns;

R36 Irritating to eyes;

R37 Irritating to respiratory system;

R41 Risk of serious damage to eyes.

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other appli-cation(s) without

seeking advice from manufacturer This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC) This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC) This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC) Composition information in accordance with Regulation (EC) No 648 /2004 of the European Parliament and of the Council of 31 March 2004 on detergents: Nonionic surfactants 5-15 % Amphoteric surfactants <5 %

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