

1. Product and Company Identification

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Product Code RXSOL-43-3302-025
Product Name Scale Inhibitor Open Cooling Water System

Company Details:

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

Stock Point ::: Mumbai, Kolkata, Kandla, Chennai, Visakhapatnam, Fujairah, Muscat Oman, CANADA

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2. Composition / Information on ingredients

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INGREDIENTS	CAS no	Concentration	Exposure Limits / Health Hazards	EINECS
Phosphonic acid, (1-hydroxyethylidene)bis-, Disodium salt	20596-85-2 7414-83-7	10%	ND	243-900-0

NITRILOTRIS(Methylene)P
HOSPHONATE Sodium
SALT

Sodium Amino-
Tris(Methylensulphonate)

AMINOTRIMETHYLENE
PHOSPHONIC ACID
SODIUM SALT -
ATMP-4NA

NITRILOTRIS(Methylene)P
HOSPHONATE Sodium
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Sodium Amino-
Tris(Methylensulphonate)

AMINOTRIMETHYLENE
PHOSPHONIC ACID
SODIUM SALT -
ATMP-4NA

3. Hazards Identification

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SkinContact May be irritating
EyeContact May be irritating
Inhaled Breathing of the mists, vapors or fumes may irritate the nose, throat and lungs. Symptoms may include sore throat, coughing, labored breathing, sneezing and burning sensation, depending on the concentration and

duration of exposure. Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information"

4. First Aid Measures

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Inhaled	Remove to fresh air. If not breathing, institute rescue breathing. If breathing is difficult, ensure airway is clear and give oxygen
skin contact	Breathing of the mists, vapors or fumes may irritate the nose, throat and lungs. Symptoms may include sore throat, coughing, labored breathing, sneezing and burning sensation, depending on the concentration and duration of exposure. Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information"
eye contact	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. GET IMMEDIATE MEDICAL ATTENTION
Ingestion	Keep affected person warm and at rest. GET IMMEDIATE MEDICAL ATTENTION. Never give anything by mouth to an unconscious person. Do not induce vomiting because of danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis

5. Fire-fighting Measures

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EXTINGUISHING MEDIA BASIC FIRE FIGHTING PROCEDURES	Material itself will not burn Area and fight fire from a safe distance. Use extinguishing agent suitable for type of surrounding fire. Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible. Firefighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment
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6. Accidental Release Measures

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emergency action	Keep unnecessary people away. Isolate spill area and keep unnecessary people away
environmental precautions	If product is released to the environment, take immediate steps to stop and contain release. Caution should be exercised regarding personnel safety and exposure to the released product. Notify local, provincial and/or federal authorities, if required
spill or leak procedure	Large spills may be neutralized with dilute alkaline solutions of soda ash or lime. Stop leak when safe to do so. Do not touch or walk through spilled material.

7. Handling and Storage

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Precautions for safe handling	This material should be stored and shipped in plastic or plastic lined containers. Do not use with materials or equipment sensitive to acidic solutions
Conditions for safe storage, including any incompatibilities	Avoid contact with strong oxidizers, bases, and metals. Store in tightly closed containers in cool, dry area away from heat and incompatibles

8. Exposure controls and personal protection

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engineering controls	General or local exhaust ventilation and other forms of engineering
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Eye/face protection

controls are the preferred means for controlling exposures.

Wear chemical safety goggles to prevent eye contact. Have eye washing facilities readily available where eye contact can occur

Skin protection

Avoid skin contact with this material. If skin contact is anticipated, protective clothing, including impervious gloves, should be worn.

Protective glove materials include, but are not limited to natural rubber, neoprene or nitrile.

9. Physical and chemical properties

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Appearance

Colourless to Yellow Liquid

Odour

NA

pH

3.0 ± 0.5

Melting point/freezing point

-4 deegree

Specific Gravity

> 1

Bulk Density

NA

Flah Point

NA

Water solubility

Complete soluble

10. Stability and reactivity

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STABILITY/INCOMPATIBILITY:- Incompatible with bases, and oxidizers. Avoid contact with metals. See precautions under Handling & Storage

11. Toxicological information

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Skin contact

may be irritating

Eye contact

may be irritating

inhaled

Breathing of the mists, vapors or fumes may irritate the nose, throat and lungs. Symptoms may include sore throat, coughing, labored breathing, sneezing and burning sensation, depending on the concentration and duration of exposure. Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information

12. Ecological information

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11. Toxicological information

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Potential routes of exposure

Inhalation, skin contact, eye contact

Potential effects of acute overexposure

Inhalation exposure may cause tingling, coughing, sneezing, and difficulty breathing. Symptoms of skin and eye contact may include redness and irritation. Ingestion may cause stomach pains, cramps, and gastritis.

Potential effects of chronic overexposure

Prolonged or repeated skin overexposure to this product may cause dermatitis (dry, red skin). Symptoms may include tingling, redness, and visible injury.

Symptoms of over-exposure

Immediate: Inhalation exposure may cause tingling, coughing, sneezing, and difficulty breathing. Symptoms of skin and eye contact may include redness and irritation. Ingestion may cause stomach pains, cramps, and gastritis. Delayed: Prolonged or repeated skin overexposure to this product may cause dermatitis (dry, red skin). Symptoms may include tingling, redness, and visible injury.

Conditions aggravated by overexposure

Preexisting dermatitis, other skin conditions, and respiratory conditions

Recommendations to physicians

Irritation

Sensitization

Carcinogenicity

Mutagenicity

Reproductive toxicity

Biological Exposure Index

Other potential health effects

may be aggravated by exposures to this product.

Treat symptoms and eliminate exposure.

YES This product can be irritating to contaminated tissue.

NO

NO

NO

NO

N/A

Currently, there are no Biological Exposure Indices (BEIs) for any component of this product.

12. Ecological information

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Ecotoxicity

No information available.

Persistence and Degradability

The components of this product decompose in soil and water.

Bioaccumulative Potential

The components of this product are not expected to bioaccumulate.

Mobility in Soil

When spilled onto soil, this product will infiltrate downward, the rate being greater with lower concentration because of reduced viscosity. During transport through the soil, this product will dissolve some of the soil material, in particular, carbonatebased materials.

Other adverse effects

This product may be harmful to aquatic life if large volumes of it are released into an aquatic environment.

13. Disposal considerations

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Preparing Wastes of this Product for Disposal

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations or with local regulations. This product, if unaltered by the handling, may be disposed of by treatment at a permitted facility or as advised by your local waste regulatory authority.

Disposal of Contaminated Packaging

Cleaned containers can be recycled or disposed of as non-contaminated waste, if authorized by your local authorities. Dispose of containers as required by local regulations.

EPA Waste Number

Not applicable.

14. Transport information

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DOT

UN Number

Not applicable

Proper shipping name

Not applicable

Hazard Class

Not applicable

Packing group

Not applicable

Marine Pollutant NA Emergency Response Guide Number (2008)

Not applicable

Transport in Bulk (Annex II of MARPOL 73/78 and IBC Code)

Not applicable

Special Transport Precautions

Not applicable

National Motor Freight

#70

International Air Transport Association

UN Number

Not applicable

Proper shipping name

Not applicable

Hazard Class

Not applicable

Packing group	Not applicable
IATA Emergency Response Code	Not applicable
Excepted Quantity	Not applicable
International Maritime Organization	
UN Number	Not applicable
Proper shipping name	Not applicable
Hazard Class	Not applicable
Packing group	Not applicable
Marine Pollutant NA Emergency Response Guide Number (2008)	Not applicable
Transport in Bulk (Annex II of MARPOL 73/78 and IBC Code)	Not applicable

15. Regulatory information

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SARA 302 RQ	NO
SARA 302 TPQ	NO
SARA 313 LISTED	NO
SARA 311/312 ACUTE	NO
SARA 311/312 CHRONIC	YES
SARA 311/312 FIRE	NO
SARA 311/312 PRESSURE	NO
SARA 311/312 REACTIVITY	NO
EPA EXTREMELY HAZARDOUS SUBSTANCE	NO
WHMIS	E
DSL	YES
NDSL	N/A
REACH Pre-registered List	YES
TSCA	YES

16. Other information

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