

Antiscalant RO 4101 (RXSOL-33-6005-100)

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

1. Product and Company Identification

www.rxmarine.com

Product Code	RXSOL-33-6005-100
Product Name	Antiscalant RO 4101

Company Details:

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

Stock Point : Fujairah, Muscat, Mumbai, Kolkata, Vizag, Chennai, Gandhidham, Nairobi Kenya, Canada

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 ::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

Ingredients	CAS no	Concentration
Nitrilotris(methylene)phosphonate sodium salt	94021-23-5	30-50%
Proprietary Blend of dispersants and antiscalants		> 50%

3. Hazards Identification

www.rxmarine.com

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

4. First Aid Measures

www.rxmarine.com

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

www.rxmarine.com

EXTINGUISHING MEDIA	Material itself will not burn
BASIC FIRE FIGHTING PROCEDURES	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

6. Accidental Release Measures

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

Engineering controls	General or local exhaust ventilation and other forms of engineering controls are the preferred means for controlling exposures.
----------------------	---

Eye/face protection	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

www.rxmarine.com

Appearance	Clear, Pale yellow liquid
Odour	Slight odour
pH	Alkaline
Melting point/freezing point	NA
Specific Gravity	>1.15
Freezing Point	-15 degree C
Water solubility	Soluble

10. Stability and reactivity

www.rxmarine.com

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

11. Toxicological information

www.rxmarine.com

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 may be aggravated by exposures to this product.
Recommendations to physicians	Treat symptoms and eliminate exposure.
Irritation	YES This product can be irritating to contaminated tissue.
Sensitization	NO

Carcinogenicity	NO
Mutagenicity	NO
Reproductive toxicity	NO
Biological Exposure Index	N/A
Other potential health effects	Currently, there are no Biological Exposure Indices (BEIs) for any component of this product.

12. Ecological information

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

No information available.

16. Other information

www.rxmarine.com

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if RX Marine International has been advised of the possibility of such damages.

DISCLAIMER OF LIABILITY : The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.