

## 1. Product and Company Identification

www.rxmarine.com

Product Name : RXSOL-2000  
Product Type : DIESEL COOLING WATER CORROSION  
INHIBITOR-RXSOL-40-2000-210

### Company Details:

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

Stock Point : Mumbai, Chennai, Kolkata, Visakhapatnam, Gandhidham, Hazira, Fujairah, Muscat

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## 2. Composition / Information on ingredients

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Chemical Name	Concentration	CAS Number	EC Number	R Phrases*
Sodium Nitrite	1-5	7632-00-0	231-555-9	8, 25, 50
Sodium Tetraborate	2-3	1330-43-4	215-540-4	60, 61
Sodium Metasilicate	1-5	6834-92-0	229-912-9	34, 37
Sodium Mercaptobenzothiazole	>1	2492-26-4	219-660-8	34, 43

Properitory 60-70%

This product also contains Benzotriazole, which is very effective effective corrosion inhibitor for copper and its alloys by preventing undesirable surface reactions. It is known that a passive layer, consisting of a complex between copper and benzotriazole, is formed when copper is immersed in a solution containing benzotriazole. The passive layer is insoluble in aqueous and many organic solutions. There is a positive correlation between the thickness of the passive layer and the efficiency of preventing corrosion. The exact structure of the copper-BTA complex is controversial and many proposals have been suggested.

\*See Section 16

## 3. Hazards Identification

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Odour	Odourless
Appearance	Redis to Pink, soluble in water
Contact with eyes	May cause pain
Contact with skin	In cases of severe exposure, severe irritation may develop
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
Ingestion	Toxic if swallowed (R25)

## 4. First Aid Measures

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Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water ontaminated clothing should be laundered before reuse
Contact with eyes	When in doubt or symptoms persist, seek medical attention If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes Irrigate eyes thoroughly whilst lifting eyelids
Ingestion	Obtain immediate medical attention Never make an unconscious person vomit or drink fluids Give water or

	milk to drink Induce vomiting (only if patient is conscious) Obtain immediate medical attention
Inhalation	Inhalation is unlikely to occur Remove patient to fresh air. 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)

## 5. Fire-fighting Measures

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- Nitrogen oxides 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.

## 6. Accidental Release Measures

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Personal Precautions	Wear protective clothing as per section 8
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

## 7. Handling and Storage

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Handling	Wear protective clothing as per section 8.Avoid contact with skin and eyes (S24/25) Eyewash bottles should be available
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49) Protect from heat Protect from frost

## 8. Exposure controls and personal protection

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Exposure controls	Refer 6 and 7 Points for precautions required for this product.
Occupational exposure controls	Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)

## 9. Physical and chemical properties

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Odour	Odourless
Appearance	Redis to Pink Liquid, soluble in water
pH	11.3 to 11.8 at 100 % concentration
Boiling point	100 °C at 760 mm /Hg
Vapour pressure	not known
Vapour density	not applicable
Freezing point	