

## 1. Product and Company Identification

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Product Name Corrosion Inhibitor High Temp  
Product Type RXSOL-81-8154-220

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

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

Phone +91 22 27815540 / 41 / 42  
Fax +91 22 2781 1318 ::AOH :0091 9322594669  
Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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| Name                                                                                | CAS        | %     |
|-------------------------------------------------------------------------------------|------------|-------|
| Ethylene glycol mono butyl ether                                                    | 111-76-2   | 10-30 |
| Benzenesulfonic acid,<br>mono-C10-16-alkyl<br>derivs., compds. with<br>ethanolamine | 68910-32-7 | 1-5   |
| Fatty acids, tall-oil,<br>reaction products with<br>diethylenetriamine              | 61790-69-0 | 1-5   |
| Imidazole                                                                           | 288-32-4   | 1-5   |
| Proprietary Blend of Corrosion Inhibitors                                           | -          | >80   |

## 3. Hazards Identification

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Inhalation: Mist can cause irritation of respiratory tract and inflammation of lungs.

Skin Contact / Absorption: Causes irritation. May cause burns. Morpholine may be absorbed through intact skin causing liver, kidney, CNS depression and blood system damage.

Eye Contact: Causes severe irritation to the mucous membranes of the eyes. May cause ulceration of the eye.

Ingestion: Burning in mouth and esophagus; nausea, vomiting, abdominal pain and diarrhea, edema (swelling) of larynx and subsequent suffocation. Perforation of gastrointestinal tract can occur. May cause liver, kidney, central nervous system depression and blood system damage.

Exposure Limits: 2-butoxyethanol: STEL: 50 ppm 15 minute(s)  
TWA: 25 ppm 8 hour(s).

## 4. First Aid Measures

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Inhalation: Remove victim to fresh air. Give artificial respiration only if breathing

Skin Contact / Absorption:

has stopped. If breathing is difficult, give oxygen. Seek medical attention if difficulties persist.

Eye Contact:

Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.

Ingestion:

Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek medical attention if symptoms persist.

Additional Information.:

Do not induce vomiting. Drink large quantities of water or milk to dilute the chemical. Seek immediate medical attention.

Not Available.

## 5. Fire-fighting Measures

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Conditions of Flammability

Flammable liquid

Means of Extinction:

Carbon dioxide and dry chemical extinguishers. Use water spray to disperse vapours.

Flash Point:

84 degree Celsius

Auto-ignition Temperature:

Not Available

Upper Flammable Limit :

Not Available

Lower Flammable Limit:

Not Available

Hazardous Combustible Products:

Nitrogen oxides

Special Fire Fighting Procedures:

Wear NIOSH-approved self-contained breathing apparatus and protective clothing.

Explosion Hazards:

Vapours are heavier than air and may "travel" to source of ignition causing fire and explosion..

Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

## 6. Accidental Release Measures

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Leak / Spill:

Wear appropriate personal protective equipment if required. Ventilate area. Stop or reduce leak if safe to do so. Prevent material from entering sewers or water ways. Flush with water to remove any residue. Neutralize minor spills with dilute acid before washing away with plenty of water.

Deactivating Materials:

Neutralize with dilute acid..

## 7. Handling and Storage

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Handling Procedures:

Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Storage Requirements:

Store in cool area above freezing point away from incompatible materials.

## 8. Exposure controls and personal protection

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Protective Equipment Eyes:

Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn;

Respiratory

they may contribute to severe eye injury.

Gloves:

Approved respiratory protection should be used if chance of mist will be formed.

Clothing:

Impervious gloves of chemically resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Footwear:

Body suits, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Ventilation Requirements:

Impervious boots of chemically resistant material should be worn.

Engineering Controls

Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions should be provided. Supply sufficient replacement air to make up for air removed by exhaust systems.

Other:

Keep an eye wash fountain and safety shower available and in close proximity to work area.

## 9. Physical and chemical properties

Information on basic physical and chemical properties:

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Physical state: Liquid

Colour: Brown

Odour: Not available

Odour threshold: Not available

pH: 8.4

Boiling Point: Not available.

Melting point/freezing point: Not available.

Flammability (solid, gas): May be combustible at high temperature.

Flash point Closed cup: 84°C (183.2°F)

Explosive properties: Not available

Explosion limits: Not available

Oxidising properties: Not available

Vapour pressure Density: Not available

Relative density : 0.996 (25°C)

Solubility: Easily soluble in the following materials: cold water

Partition coefficient: n octanol/water: Not available

Viscosity Dynamic: 5 cP

Vapour density: Not available

Evaporation rate (butyl acetate = 1): Not available

Decomposition temperature: Not available

Auto-ignition temperature : Not available

## 10. Stability and reactivity

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|                                      |                                                         |
|--------------------------------------|---------------------------------------------------------|
| Stability:                           | Stable under normal conditions.                         |
| Incompatibility:                     | Oxidizing materials, acids, copper, copper alloys, lead |
| Hazardous Products of Decomposition: | Nitrogen oxides                                         |
| Polymerization:                      | Not Available                                           |

## 11. Toxicological information

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|                              |                                                                                  |
|------------------------------|----------------------------------------------------------------------------------|
| Severe irritant to the eyes. | Severe irritant to the eyes.                                                     |
| Sensitization:               | Not Available                                                                    |
| Chronic/Acute Effects:       | No other adverse effects expected other than those mentioned above in section 3. |
| Synergistic Materials:       | Not Available                                                                    |
| Animal Toxicity Data:        | LD50 Oral: Ethylene glycol monobutylether: 917 mg/kg                             |
| Carcinogenicity:             | Not Available                                                                    |
| Reproductive Toxicity:       | Not Available                                                                    |
| Teratogenicity:              | Not Available                                                                    |
| Mutagenicity:                | Not Available                                                                    |

## 12. Ecological information

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|                        |               |
|------------------------|---------------|
| Fish Toxicity:         | Not Available |
| Biodegradability:      | Not Available |
| Environmental Effects: | Not Available |

## 13. Disposal considerations

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Waste Disposal:  
Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

## 14. Transport information

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TDG Classification:

|            |                                                                                       |
|------------|---------------------------------------------------------------------------------------|
| Class      | 8 (3)                                                                                 |
| Group      | II                                                                                    |
| PIN Number | UN 2920                                                                               |
| Other      | Secure containers (full and/or empty) with suitable hold down devices during shipment |

## 15. Regulatory information

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WHMIS Classification.....B, D1, E

NOTE:  
THE PRODUCT LISTED ON THIS MSDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS MSDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

## 16. Other information

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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 application(s) without seeking advice from manufacturer.

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