# RXSOL

VARANASI CHEMICAL | RX MARINE INTERNATIONAL

## Material Safety Data Sheet (MSDS)

**RXSOL-51-5005-025**
Condensate Amine Neutralizer Corrosion Inhibitor

## 1. Product and Company Identifaction

| | | |
|---|---|---|
| Product Name | : | **RXSOL-51-5005-210** |
| Product Type | : | Condensate Amine Neutralizer Corrosion Inhibitor |

**Company Details:**

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

Stock Point : Mumbai, Kandla, Kolkata, Visakhapatanm - Gangavaram, Chennai - Ennore, Fujairah

| | | |
|---|---|---|
| Phone | : | +91 22 27815540 / 41 / 42 |
| Fax | : | +91 22 2781 1318 :::AOH :0091 9821214367 |
| Email | : | mail@rxmarine.com |

## 2. Composition / informationon ingredients

| Chemical Name | Concentration | CAS Number | EC Number | R Phrases* | Symbols |
|---|---|---|---|---|---|
| Morpholine | 5-10 | 110-91-8 | 203-815-1 | 10, 20, 34/21/22 | Xn |
| Diethylaminoethanol DEAE | 10-30 | 100-37-8 | 202-845-2 | 10, 20/21/22, 34 | C |
| Proprietory Non Classified Ingredients | 60-100 | --- | --- | --- | |

## 3. Hazards Identification

**Corrosive**

| | |
|---|---|
| Odour | Slight smell of ammonia. |
| Appearance | Liquid, pale yellow, soluble in water. |

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|---|---|
| Contact with eyes | Vapours or aerosols may cause irritation of eyes, nose and respiratory tract |
| Contact with skin | May cause redness and irritation. |
| Inhalation | Vapours or aerosols may cause irritation of eyes, nose and respiratory tract. |
| Ingestion | Not regarded as a potential route of exposure., In cases of severe exposure,Gastro-intestinal disturbances may develop. |

## 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.Seek medical advice |
| Ingestion | Do not induce vomiting.Never give anything by mouth to an unconscious person.Give 200-300mls (half pint) water to drink.Seek immediate medical attention |
| Inhalation | Remove patient to fresh air.Seek medical attention if ill effects occur |
| General | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45) |

## 5. Fire-fighting Measures

- Not flammable
- Nitrogen and carbon oxides may be formed
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

## 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. |
| 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 | When using do not eat, drink or smoke (S20/21).Avoid contact with skin and eyes (S24/25).Eye wash bottles should be available.See Section 8. |
| Storage | Keep only in the original container in a cool, well ventilated place (S3/9/49). |

## 8. Exposure controls and personal protection

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|---|---|
| Exposure Limits | There are no recommended or established controls for this product.TLV (TWA) 1 ppm, 2.5 mg/m3 (2-Aminoethanol).TLV (TWA) 2ppm, 9.6 mg/m3 (2-Diethylaminoethanol) |
| Exposure controls | No special precautions are required for this product |
| Occupational exposure controls | Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended).Respiratory protection may be required under exceptional circumstances when excessive air contamination exists. |

Goggles

Gloves

Suit

Respirator

## 9. Physical and chemical properties

| | |
|---|---|
| Odour | Slight smell of Ammonia |
| Appearance | Liquid, pale yellow, soluble in water |
| PH | 11.5 - 12.5 at 100 % concentration, pH 10 at 1 % concentration |
| Boiling point | ~ 100 °C at 760 mm /Hg |
| Vapour pressure | not known |
| Vapour density | not known |
| Freezing point | ~ 0 °C at 760 mm/Hg |
| Completely soluble in water | |
| Specific gravity (water=1) | 1.0 |
| Not flammable | |

## 10. Stability and reactivity

- This article is considered stable under normal conditions
- Avoid overheating, Keep away from frost
- See Section 5

## 11. Toxicological information

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|---|---|
| Toxicological information | LD50 (oral,rat) 2100 mg/kg.( 2-Aminoethanol).LD50 (oral,rat) 1320 mg/kg.( 2-Diethylaminoethanol) |
| Inhalation | In cases of severe exposure, irritation may develop |
| Contact with skin | Causes irritation |
| Contact with eyes | Causes redness and irritation |
| Ingestion | The ingestion of significant quantities may cause gastro-intestinal disturbances |
| Carcinogenicity | No evidence of carcinogenic effects |

## 12. Ecological information

| | |
|---|---|
| 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 | The components in this product are readily 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 . In its intended use, the product will not be released into the environment.Presents little or no hazard to the aquatic environment. |

## 13. Disposal considerations

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|---|---|
| Classification | EU Waste class: 07.01 |
| 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

- Not classified as hazardous for transport

## 15. Regulatory information

| | |
|---|---|
| Risk Phrases | Irritating to eyes, respiratory system and skin (R36/37/38) |
| Safety Phrases | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26).Wear suitable gloves and eye/face protection (S37/39) |

## 16. Other information

Text of R and S phrase codes used In this safety data sheet :- R10: Flammable; R20 : Harmful by inhalation;
R20/21/22: Harmfulby inhalation, in contact with skin and if swallowed;
R34: Causes burns;
R36/37/38: Irritating to eyes, respiratory system and skin.The information provided about the product on t his Safety Data Sheet has been
compiled from knowledge of the individual constituents. Thedata given here is based on current knowledge and experience .
This Safety Data Sheet describes the productIn 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 othe r applications - usage in such may cause risks not mentioned in this sheet.
Do not use for other application(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)

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