

1. Product and Company Identification

www.rxmarine.com

Product Name : RXSOL-44-5005-025
Product Type : Corrosion Inhibitor Amine Based

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Visakhapatnam - Gangavaram, Chennai - Ennore, Fujairah, Muscat Oman, Kenya, Canada

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

2. Composition / Information on ingredients

www.rxmarine.com

| Chemical Name | Concentration, % | CAS Number | EC Number |
|-------------------------|------------------|------------|-----------|
| 2-Amino Ethanol | 5-10 | 141-43-5 | 205-483-3 |
| 2-Diethyl Amino Ethanol | 1-10 | 100-37-8 | 202-845-2 |
| Morpholine | 5-10 | 110-91-8 | 203-815-1 |
| Propreitory Ingredients | >70 | - | - |

3. Hazards Identification

www.rxmarine.com



Corrosive

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

www.rxmarine.com

| | |
|-------------------|--|
| 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 |

5. Fire-fighting Measures

www.rxmarine.com

- 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

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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.

9. Physical and chemical properties

www.rxmarine.com

Odour

Odourless

Appearance

Liquid, pale yellow, soluble in water

PH

Alkaline

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

www.rxmarine.com

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

11. Toxicological information

www.rxmarine.com

| | |
|---------------------------|--|
| 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

www.rxmarine.com

| | |
|----------------------------------|---|
| 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

www.rxmarine.com

| | |
|-------------------------|--|
| 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

www.rxmarine.com

- Not classified as hazardous for transport

15. Regulatory information

www.rxmarine.com

| | |
|----------------|--|
| 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

www.rxmarine.com

Text of R and S phrase codes used In this safety data sheet :- R10: Flammable; R20 : Harmful by inhalation;

R20/21/22: Harmful by 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)

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.