Material Safety Data Sheet

Corrosion Inhibitor Amine Based (RXSOL-44-5005-025)

1. Product and Company Identifaction

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, Visakhapatanm - Gangavaram, Chennai - Ennore, Fujairah, Muscat Oman, Kenya, Canada

Phone	:	+91 22 27815540 / 41 / 42
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2. Composition / informationon ingredients

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



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

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

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

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

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

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

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

11. Toxicological information

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

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)