Material Safety Data Sheet

Corrosion Inhibitor for Closed Open Cooling System (RXSOL-43-4028-220)

1. Product and Company Identifaction

Product Name	RXSOL-40-4028-220
Product Type	Corroision Inhibitor for closed Open cooling system

Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Kolkata, Vizag, Fujairah, Muscat

Phone	+91 22 65113333 / 5555 / 9999 / 27611360
Fax	+91 22 2781 1318 ::: AOH: 0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Product contains:	CAS No	Contents	Health (class)	Risk(R)
Sodium Hydroxide	1310-73-2	5-6%	C	R35
Triazole	95-14-7	18-21%	Xn, N	20-22, 36, 53
Proprietory Polymer Blend	-----	79-81%	-----	----

3. Hazards Identification

Symbol(s) C
Risk Phrase(s R35, 53
This product is toxic if swallowed. Product can be irritating to eyes and skin.
Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

4. First Aid Measures

General Instructions	In all cases of doubt, or when symptoms persist, seek more advice. Remove from exposure, rest and keep warm. Seek medical attention, treat symptomatically.
Skin Contact	Clean affected area with plenty of water, remove contaminated clothing immediately. Seek medical attention.
Eye Contact:	Irrigate the eyes thoroughly with water for at least 15 minutes, holding the eyelids apart if necessary. Obtain medical attention.
Ingestion	Wash out mouth with water and give plenty of water to drink. DO NOT induce vomiting. Obtain medical attention.

5. Fire-fighting Measures

Extinguishing Media	Carbon dioxide, dry chemical or foam. Water spray must be ineffective
Unsuitable Extinguishing Media	None.
Exposure Hazards	n/a
Hazardous Combustion Products	May give off toxic fumes
Special equipment for fire fighting	Wear self-contained breathing apparatus

6. Accidental Release Measures

Personal precautions	Wear appropriate protective clothing (see section 8). Also apply good industrial hygiene
Environmental Precautions	Observe all relevant national regulations
Clean up Procedure	Flush spillages with large quantities of water and wash to waste

7. Handling and Storage

Handling	Avoid contact with eyes and skin
STORAGE	In a well ventilated area away from incompatible materials

8. Exposure controls and personal protection

Exposure Limit (8hrs)	For sodium hydroxide 2mg/m
Type	N/A
Protective Measures	
Respiratory:	In the event where significant exposure is possible wear self contained breathing apparatus
Hand:	Wear suitable impervious gloves
Eye:	Wear chemical goggles
Skin:	Wear suitable overalls

9. Physical and chemical properties

Appearance	Clear to Pale amber liquid
Odour	Characteristic azole odour
pH	11
Boiling Point / Boiling Range	Not determined
Melting Point/Melting Range	N/A
Flash Point	none
Flammability	Non flammable

Autoflammability	N/A
Explosive Properties	N/A
Oxidising Properties	N/A
Vapour Pressure	N/A
Relative Density	1.195
Solubility in water	Miscible
Solubility in other solvents	Not known
Partition coefficient and N-octanol/water	----------
Other Data	None

10. Stability and reactivity

Stability	Stable
Conditions to Avoid	None
Materials to avoid	Avoid all strong acids
Hazardous reactions	See Section 5

11. Toxicological information

Irritating to the eyes and skin, inhalation may effect the respiratory tract.
Acute oral LD50 > 1000mg/kg

12. Ecological information

Environmental Effects	May cause adverse effect in the aquatic environment
Mobility	n/a
Degradability	n/a
Bioaccumulative Potential	n/a
Marine Pollutant	No evidence

13. Disposal considerations

Product :	In accordance with national waste regulations
Container	Wash empty container thoroughly with water before disposal

14. Transport information

LAND TRANSPORT

Item Number	8.41 (b)
UN Class	8
ADR Class	8
UN Number	3266
Packaging Group	III
Proper Shipping Name (PSN)	Corrosive liquid, basic, inorganic NOS (contains Sodium Hydroxide UN No 3266)

SEA TRANSPORT	
UN Number	3266
Class	Not restricted
Packing Group	III
Marine Pollutant	no
EMS	8.15
MFAG	760
IMDG Code	8147
PSN	Same as above

15. Regulatory information

Chemic al identity: Aqueous solution of organic heterocyclic compounds
Labelling according to the chemical (Hazard Information and Packaging) Regulations 2002 CHIP 3

EEC Number	N/A
Symbol(s)	C- Corrosive
RiskPhrase(s)	
R35	Causes severe burns
R53	May cause adverse effect in the aquatic environment
Safety Phrase(s)	
S26	In case of contact with eyes rinse immediately with plenty of water and seek medical advice
S37/39	Wear suitable gloves and eye/face protection

16. Other information

Product contains Sodium hydroxide, Triazole C - Corrosive, Xn -Harmful, N - Dangerous for the environment

R20	Harmful by Inhalation
R22	Harmful if swallowed
R35	Causes severe burns
R36	Irritating to eyes
R53	May cause adverse effects in the aquatic environment

Further details might be available upon request

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