Material Safety Data Sheet

Corrosion Inhibitor Closed Cooling systems (RXSOL-40-4011-210)

1. Product and Company Identifaction

Product Name	Corrosion Inhibitor Closed Cooling systems
Part Number	RXSOL-40-4011-210

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Visakhpatnam, Fujairah, Muscat, Nairobi

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

2. Composition / informationon ingredients

HYDROXYPHOSPHONIC ACID	23783-26-8	01-05
SODIUM HYDROXIDE	1310-58-3	01-04
TOLUTRIAZOLE	29385-43-1	0.5-01
SODIUM NITRITE / NITRATE as Corrosion Inhibitor	7632-00-0	10-20
SODIUM BORATE as pH Buffer	1303-96-4	0.1-0.5
Silicate as a Aluminium Corrosion Inhibitor	1344-09-8	09-10
Azole as a Copper Corrosion Inhibitor	109-97-7	01-02
Properitory Blend of Polymer as a Dispersency Stabilization	---	10-20

3. Hazards Identification

Odour	Odourless
Appearance	Pale Yellowis to Clear Liquid, soluble in water
Contact with eyes	May cause pain
Contact with skin	In cases of severe exposure, severe irritation may develop
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
Ingestion	Toxic if swallowed (R25)

4. First Aid Measures

Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water Contaminated clothing should be laundered before reuse, When in doubt or symptoms persist, seek medical attention
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes Irrigate eyes thoroughly whilst lifting eyelids, Obtain immediate medical attention
Ingestion	Never make an unconscious person vomit or drink fluids Give water or milk to drink Induce vomiting (only if patient is conscious), Obtain immediate medical attention

Inhalation	Inhalation is unlikely to occur Remove patient to fresh air When in doubt or symptoms persist, seek medical attention
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

5. Fire-fighting Measures

Fire and Explosion Hazards	WATER BASED PRODUCT WITH NO SPECIAL HAZARDS
Precautions:	None
Extinguishing media:	NO SPECIAL MEDIA REQUIRED
Not suitable extinguishing media:	NONE

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8
Environmental Precautions	Do not allow to enter public sewers and watercourses
Immediate Actions	Use appropriate containment to avoid environmental contamination (S57)
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	WEAR GLOVES, EYE PROTECTION AND OVERALLS.
Storage	STORES INDOORS AND PREVENT FROM FREEZING.

8. Exposure controls and personal protection

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)


Gloves


Goggles


suit


No_Smoking

9. Physical and chemical properties

Appearance	BROWN COLOURED HAZY LIQUID
Boiling point	100 C
C Density [kg/m3]	1.17 - 1.24

Flashpoint TCC	NONE Vapour pressure [mm Hg]
Pour point	NONE Vapour density [a ir=1]:
Auto-ignition temp	NONE Soluble in organic solvent: NONE
Expl.omr. [vol%] Solubility in water [w-%]:	100%
pH concentrate:	11.5 - 12.0 pH
Rel. evaporation Rate.	N/A
Ether = 1	Butylacetate = 10 0
Freezing Point	>-20 Degree C

10. Stability and reactivity

Stability	THE PRODUCT IS STABLE AND HAS A SHELF-LIFE OF 2 YEARS
Avoid blending with	ACIDS
Dangerous products of degradation	NONE
Dangerous products of combustion	NONE

11. Toxicological information

Analysis data LD [RAT] >50 00 mg/kg [CALCULATED] 50 CONSIDERED TO BE NON-TOXI

Toxicological information	No experimental data available
Inhalation	Not applicable
Contact with skin	In cases of severe exposure, severe irritation may develop
Contact with eyes	May cause severe irritation May cause pain
Ingestion	Toxic if swallowed (R25)
Carcinogenicity	No evidence of carcinogenic effects

12. Ecological information

Analysis data: LD RAINBOW TROUT > 500 mg/l [CALCULATED] 50 CONSIDERED TO BE OF NO DANGER TO THE ENVIRONMENT

Ecotoxicity	This product contains components which are classified in the EU as dangerous for the environment. May cause acute effects in the aquatic environment
Mobility	Completely soluble in water
Persistence and Biodegradability	Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently 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.

13. Disposal considerations

Recommendations:	ALKALINE PRODUCT WHICH IN USE IS DILUTED DOWN CONSIDERABLY AND ALLOWED TO ENTER THE ENVIRONMENT.

Classification	EU Waste class: 06.03 This material and/or its container must be disposed of as hazardous waste
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

UN no

Packaging gr

ADR/RID

IMDG class: Side

EmS no

MFAG no

DGR:

Goods description

Others

15. Regulatory information

Chemical health hazard:	HARMFUL/IRRITANT
Chemical to the environment	.
Infla mmable product	
Explosive product	
Labelling category [-s]:	HARMFUL/IRRITANT
Symbol [-er]:	Xn, Xi
R-phrase [-s]:	R21-Harmful in contact with skin, R36-Irritating to eyes, R38-Irritating to skin
S-phrase [-s]:	S61-Avoid release to the environment, S45-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other information

NO CARCINOGENIC PROPERTIES HAS BEEN FOUND WITH ANY INGREDIENTS.

NO EVIDENCE OF MUTAGENIC EFFECTS

EXPOSURE LIMITS NOT ASSIGNED

Legal Disclaimre:-

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, No warranty is implied with respect to the quality or the specif ication of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

Text of R and S phrase codes used in this safety data sheet:- R25: Toxic I f swallowed; R43: May cause sensitisationby skin contact; R50: Very toxic to aquatic organisms; R50/53: Very toxic to a quatic organisms, may cause long-term adverse effects in the aquatic environment; R62: Possible risk of I mpaired fertility; R63: Possible risk of harm to the unborn child; R8: Contact with combustible material may cause fire.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 safetyr equirements 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