Material Safety Data Sheet

Corroision Inhibitor for Closed Chilled Systems Concentrate (RXSOL-40-4036-025)

1. Product and Company Identifaction

Product Name	:	RXSOL-40-4021
Product Type	:	Corroision Inhibitor for Closed/Chilled Systems with Nitrite

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
Website	:	www.rxmarine.com

2. Composition / informationon ingredients

Chemica Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Sodium nitrite	10-30	7632-00-0	231-555-9	8, 25, 50	T, O,N
Sodium Polyacrylate	5 %	9003-04-7	215-540-4	36	Xn
Be nzotriazole	1 %	95-14-7	2299129	22,36, 37,38	O
Triethanol amine	5 %	102-71-6		R8 , R25	
PBTC	5 %	37971-36-1		R34	

*See Section 16

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

- Nitrogen oxides may be formed
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Substance evolves toxic fumes, wear self-contained breathing apparatus
- Water spray jet, extinguishing powder or foam, carbon dioxide

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 protective clothing as per section 8 Avoid contact with skin and eyes (S24/25) Eyewash bottles should be available
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49) Protect from heat Protect from frost

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)

9. Physical and chemical properties

Odour	Odourless
Appearance	Pale yellowish to clear Liquid, soluble in water
pH	8.5 - 9.5 at 100 % concentration
Boiling point	>100 °C at 760 mm /Hg
Vapour pressure	not known
Vapour density	not applicable
Freezing point	0 °C at 760 mm/Hg
Completely soluble in water	
Specific gravity (water=1)	1.15

10. Stability and reactivity

- This article is considered stable under normal conditions
- Avoid contact with acid
- Incompatible with acid, Contact with acids liberates toxic gas (R31)
- See Section 5

11. Toxicological information

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

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

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

- Not classified as hazardous for transport

15. Regulatory information

Classification and labeling	Contains Benzothiazol-2-thiol. May produce an allergic reaction. Cooling Water Treatment 15 Regulatory information (....)
Risk Phrases	Toxic if swallowed (R25)
Safety Phrases	Wear suitable protective clothing, eye/face protection and gloves (S36/37/39) In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45) This material and its container must be disposed of in a safe way (S35)

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R25: Toxic I f swallowed; R43: May cause sensitisation by 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