



RXSOL

VARANASI CHEMICAL | RX MARINE INTERNATIONAL

RXSOL-41-8605-025

VIPER SR

Material Safety Data Sheet (MSDS)

www.rxmarine.com

1. Product and Company Identification

Product Name	RXSOL-40-4023-125
Product Type	Nitrite Borate based Corrosion Inhibitor

Company Details:

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

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

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

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2. Composition / Information on ingredients

Product contains:	CAS No.	Contents	Health (class)	Risk(R)
Borax	1303-96-4	10-30	O,T, N	
Sodium nitrite	7632-00-0	70-75%	O,T, N	8, 25, 50
Triazole	93-147	1.5 - 2 %	Xn, N	20-22, 36, 53

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3. Hazards Identification

Symbol(s)	T,N
Risk Phrase(s)	R25, 51/53

This product is toxic if swallowed.

Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

4. First Aid Measures

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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	Drench 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

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Extinguishing Media	Water
Unsuitable Extinguishing Media	None
Exposure Hazards	N/A
Hazardous Combustion Products	It decomposes on heating to liberate toxic fumes
Special equipment for fire fighting	Fire fighters should wear self contained breathing apparatus

6. Accidental Release Measures

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Personal precautions	Wear personal protective clothing. Avoid contact with the product
Environmental precautions	Do not allow to enter water course or drains
Clean up Procedure	Small spillages - Can be washed to drain with plenty of water Large spillages - Should be absorbed with a suitable material the rest must be washed to drain

7. Handling and Storage

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Handling	Exposure by inhalation or skin contact should be minimised by good industrial hygiene practice.
Storage	Store in a cool dry place away from acids and other oxidising materials

8. Exposure controls and personal protection

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Exposure limits:	(8hrs) Not ascribed
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

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Appearance	Crystal Powder LIGHT Yellow
Odour	Odourless
pH	11 approx
Boiling Point / Boiling Range	Not determined
Melting Point/Melting Range	N/A
Flash Point	N/A
Flammability	Non flammable
Autoflammability	N/A
Explosive Properties	N/A
Oxidising Properties	N/A
Vapour Pressure	Not determined
Relative Density	1.18 approx
Solubility in water	Miscible

Solubility in other solvents	Not determined
Partition coefficient and N-octanol/water	-----
Other Data	None

10. Stability and reactivity

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Stability	Non combustible
Conditions to Avoid	None
Materials to avoid	Avoid all strong acids
Hazardous reactions	No known hazardous reactions.
Hazardous Decompositions	May omit toxic fumes in a fire (oxides of nitrogen)

11. Toxicological information

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May cause congestion of the chest, heart burns, accompanied by shortness of breath due to the escape of fluids in the lungs. Ingestion of large amounts may result in severe abdominal pain, vomiting, diarrhoea, convulsions and collapse. In severe cases methemoglobinemia i.e. greyish-blue discoloration of the skin and mucous membrane may result - 9gms may be fatal.

Toxicology:-

Results of both animal and epidemiological studies, have provided no conclusive evidence that the product will present a carcinogenic hazard to man. The product may however react with secondary or tertiary amines under acidic conditions to form carcinogenic nitrosamines.

12. Ecological information

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Environmental Effects	Product is toxic to aquatic organisms
Mobility	n/a
Degradability	n/a
Bioaccumulative Potential	n/a
Marine Pollutant	Yes

13. Disposal considerations

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

14. Transport information

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LAND TRANSPORT	
UN Class	6.1
Subsidiary class	None
ADR Class	6.1
UN Number	3287
Packaging Group	III
Proper Shipping Name (PSN)	Toxic liquid, inorganic, NOS (contains sodium nitrite)
UN No	3287
SEA TRANSPORT	
UN Number	3287
Subsidiary class	None
Class	6.1
Packing Group	III
Marine Pollutant	yes
EMS	6.1-02
MFAG	---
IMDG Code	6270/1
PSN	Same as above

15. Regulatory information

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Chemical identity: Aqueous solution inorganic salts , and hetrocyclics
 Labelling according to the chemical (Hazard Information and Packaging) Regulations 2002 CHIP 3

EEC Number	N/A
Symbol(s)	T - Toxic N - Dangerous for the environment
RiskPhrase(s)	
R25	Toxic if swallowed
Safety Phrase(s)	

S26	In case of contact with eyes rinse immediately with plenty of water and seek medical advice
S28	After contact with skin, wash with plenty of water and seek medical advice
S46	If swallowed seek medical advice immediately

16. Other information

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Product contains Sodium Nitrate and Triazole O - Oxidising, T - Toxic, Xn -Harmful, N - Dangerous for the environment

R8	contact with combustible material can cause fire
R20	Harmful by Inhalation R50 - Very toxic to aquatic organisms
R36	Irritating to eyes
R22	Harmful if swallowed R53 - May cause long-term adverse effects in the aquatic environment
R25	Toxic if swallowed
	Further details might be available upon request from Accepta Limite
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