

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-40-4025  
Product Type Corrosion Inhibitor - Antifoulant

### Company Details:

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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This product is classified as dangerous in accordance with the Preparations Directive 1999/45/EC

Product contains	CAS No	Contents	Health (class)	Risk (R)
Sodium nitrite	007632-00-0	24-25%	O, T, N	8, 25, 50
Triazole	95-14-7	2-2.5 %	Xn, N	20, 22, 36, 53

## 3. Hazards Identification

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

## 5. Fire-fighting Measures

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

## 6. Accidental Release Measures

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<b>Personal precautions</b>	Wear personal protective clothing. Avoid contact with the product
<b>Environmental Precautions</b>	<b>Do not allow to enter water course or drains</b>
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	<b>Exposure by inhalation or skin contact should be minimised by good industrial hygiene practice.</b>
STORAGE	<b>Store in a cool dry place away from acids and other oxidising materials</b>

## 8. Exposure controls and personal protection

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Exposure Limit (8hrs)	<b>Not described</b>
Type	N/A
<b>Protective Measures</b>	
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	<b>Colourless</b>
<b>Odour</b>	<b>Odourless</b>
<b>pH</b>	<b>11 approx</b>
Boiling Point / Boiling Range	<b>Not determined</b>
<b>Melting Point/Melting Range</b>	N/A
<b>Flash Point</b>	N/A
<b>Flammability</b>	Non flammable
<b>Autoflammability</b>	N/A
<b>Explosive Properties</b>	N/A
Oxidising Properties	N/A
Vapour Pressure	Not determined
Relative Density	1.22 approx
<b>Solubility in water</b>	<b>Miscible</b>
<b>Solubility in other solvents</b>	<b>Not determined</b>
Partition coefficient and N-octanol/water	-----
Other Data	None

## 10. Stability and reactivity

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Stability	<b>Non combustible</b>
<b>Conditions to Avoid</b>	<b>None</b>
<b>Materials to avoid</b>	<b>Avoid all strong acids</b>
Hazardous reactions	No known hazardous reactions.
Hazardous Decompositions	May omit toxic fumes in a fire

## 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 ie 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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<b>Environmental Effects</b>	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 :	<b>In accordance with national waste regulations</b>
Container	Wash empty container thoroughly with water before disposal

## 14. Transport information

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### LAND TRANSPORT

UN Class	6.1
<b>Subsidiary class</b>	None
<b>ADR Class</b>	6.1
<b>UN Number</b>	<b>3287</b>
Packaging Group	<b>III</b>
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	N/A
IMDG Code	6231
PSN	Same as above

## 15. Regulatory information

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

<b>EEC Number</b>	N/A
Symbol(s)	T - Toxic N - Dangerous for the environment
<b>RiskPhrase(s)</b>	
<b>R25</b>	Toxic if swallowed
R51/53	Toxic to aquatic organisms/may cause long-term adverse effects in the aquatic environment.
<b>Safety Phrase(s)</b>	
S26	<b>In case of contact with eyes rinse immediately with plenty of water and seek medical advice</b>
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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<b>R8</b>	contact with combustible material can cause fire
R20	Harmful by Inhalation
R50	Very toxic to aquatic organisms
<b>R36</b>	Irritating to eyes
<b>R22</b>	Harmful if swallowed
R53 -	May cause long-term adverse effects in the aquatic environment
<b>R25</b>	Toxic if swallowed

Further details might be available upon request from rxsol

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