



RXSOL

CHEMO PHARMA INTERNATIONAL

Material Safety Data Sheet (MSDS)

RXSOL-40-4017-025

Corrosion inhibitor for copper/copper alloy system

1. Product and Company Identification

www.rxmarine.com

Product Name	RXSOL-40-4017
Product Type	Corrosion inhibitor for copper/copper alloy system

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Product contains	CAS No	Contents	Health (class)	Risk(R)
Sodium Hydroxide	1310-73-2	5-6%	C	R35
Triazole	95-14-7	14-15%	Xn, N	R20/22, 36, 5341

3. Hazards Identification

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Symbol(s) C Risk
Phrase(s) R35, 53

Causes severe burns to skin, eyes and mucous membrane. May cause long-term adverse effect 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
Inhalation	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	Carbon dioxide, dry chemical or foam. Water spray must be ineffective
Unsuitable Extinguishing Media	None
Hazardous Combustion Products	May give off toxic fumes
Special equipment for fire fighting	Wear self-contained breathing apparatus

6. Accidental Release Measures

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

7. Handling and Storage

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Handling	Avoid contact with eyes and skin.
Storage	Store in a well ventilated area away from incompatible materials

8. Exposure controls and personal protection

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Exposure Limit for sodium hydroxide 2mg/m³ Type 15 min STEL 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	Red/brown clear liquids Solubility in water Completely miscible
Odour	Characteristic azole odour Solubility in other solvents Not known
pH	11 Partition coefficient and N-octanol/water
Boiling point	Boiling Range Not determined
Melting Point	Melting Range Not applicable Other Data None
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

10. Stability and reactivity

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Stability	Stable
Conditions to Avoid	None
Hazardous Decompositions	See Section 5

11. Toxicological information

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Irritating to the eyes and skin, inhalation may effect the respiratory tract.

Acute oral LD50 > 1000mg/kg

12. Ecological information

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

13. Disposal considerations

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

14. Transport information

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LAND TRANSPORT	
UN Class	8
UN Number	3266
Item Number	8.41 (b)
ADR Class	8

Packaging Group	II
Proper Shipping Name (PSN)	Corrosive liquid, basic, inorganic NOS (contains Sodium Hydroxide UN No 3266)
SEA TRANSPORT	
UN Number	3266
Packing Group	II
EMS	8.15
Class	Not restricted
Marine Pollutant	No
MFAG	760
IMDG Code	8147
PSN Same as above	

15. Regulatory information

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Chemical 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 long-term 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

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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 long term adverse effect in the aquatic environment

Further details might be available upon request from Accepta Limited.

Issue 2

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