Material Safety Data Sheet

CorroGuard Cooling Water Antifoulant (RXSOL-40-4019-025)

1. Product and Company Identifaction

Product Name	CorroGuard - Antifoulant
Product Type	Corrosion inhibitor with Antifoulant

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

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

Product contains	**CAS No**	Contents	**Health (class)**	**Risk (R)**
Acrylic copolymer, sodium salt	37350-42-8	>=1 - 2,5%		R52/53
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

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

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

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

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

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

Exposure Limit (8hrs)	**Not described**
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

Appearance	**Colourless**
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	1.22 approx
Solubility in water	**Miscible**
Solubility in other solvents	**Not determined**
Partition coefficient and N-octanol/water	----------
Other Data	None

10. Stability and reactivity

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

11. Toxicological information

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 esult in severe abdominal pain, vomiting, diarrhoea, convulsions and collapse. In severe cases methemoglobinemia ie greyish-blue discoloration of the skin and mucous membrane may res ult - 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

Environmental Effects	Product is toxic to aquatic organisms
Mobility	n/a
Degradability	n/a

Bioaccumulative Potential	n/a
Marine Pollutant	Yes

13. Disposal considerations

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

14. Transport information

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	N/A
IMDG Code	6231
PSN	Same as above

15. Regulatory information

Chemic al 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
R51/53	Toxic to aquatic organisms/may cause long-term adverse effects in the aquatic environment.
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

Produc t 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 rxsol

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