Material Safety Data Sheet

Engine Guard NB Scale Inhibitor DEWT (RXSOL-40-4002-025)

1. Product and Company Identifaction

Product Name	:	**RXSOL-40-4002-025**
Product Type	:	Engine Guard NB Scale Inhibitor DEWT

Company Details:

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

Stock Point : Gandhidham, Mumbai, Ennore, Vizag, Kolkata, Fujairah, Muscat, Canada, Nairobi

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

2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Sodium Nitrite	60-90	7632-00-0	231-555-9	8, 25, 50	T,O,N
Benzotiazol-2-tiol	0-1	149-30-4	205-736-8	43, 50/53	Xi, N
Orthoboric acid, Sodium salt	10-30	13840-30-4	237-560-2	62,63	Xn

*See Section 16

3. Hazards Identification


Toxic


Oxidizing


Danger For Environment

Odour	Odourless
Appearance	powder, off-white, soluble in water
Contact with eyes	Causes redness and irritation
Contact with skin	Irritating to skin (R38)

Inhalation	Causes irritation
Ingestion	Toxic if swallowed (R25)

Very toxic to aquatic organisms (R50).Possible risk of impaired fertility (R62).Possible risk of harm to the unborn child (R63).Contact with combustible material may cause fire (R8)

4. First Aid Measures

Contact with skin	Remove contaminated clothing.Wash affected area with plenty of soap and 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 plenty of water to drink.Induce vomiting (only if patient is conscious).Seek 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

Not flammable but will support combustion.Nitrogen oxides may be formed.Oxidising agent, Contact with other material may cause fire.Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions.Substance evolves toxic fumes, wear self-contained breathing apparatus.Prevent run off water from entering drains if possible

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8.Avoid raising dust
Environmental Precautions	Do not allow to enter public sewers and watercourses
Immediate Actions	Use appropriate containment to avoid environmental contamination (S57)
Clean Up Actions	Sweep or shovel-up spillage and remove to a safe place.Ventilate the area and wash spill site after material pick-up is complete
Special Precautions	Avoid raising dust.Wear protective clothing as per section 8.Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

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 away from combustible material (S3/9/14/49).Keep away from acid (S14)

8. Exposure controls and personal protection

Exposure Limits	There are no recommended or established controls for this product
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).Respiratory protection may be required under exceptional circumstances when excessive air.contamination exists


Gloves


Goggles


Suit


No_Smoking

9. Physical and chemical properties

Odour	Odourless
Appearance	powder, off-white, soluble in water
pH	9 at 0.2 % concentration
Boiling point	not known, decomposes
Vapour pressure	not applicable
Vapour density	not applicable
Melting point	not known
Water solubility	~ 100 g/l
Density	1200 kg/m3

Not flammable but will support combustion

10. Stability and reactivity

This article is considered stable under normal conditions.Avoid overheating.Incompatible with acid, Contact with acids liberates very toxic gas (R32).See Section 5

11. Toxicological information

Toxicological information	LD50 (oral,rat) 85 mg/kg (NaNO2).Orthoboric acid, sodium salt :Possible risk of impaired fertility (R62).Possible risk of harm to the unborn child (R63)
Inhalation	Inhalation is unlikely to occur.In cases of severe exposure, irritation may develop
Contact with skin	In cases of severe exposure, irritation may develop.Contains Benzotiazol-2-tiol. May produce an allergic reaction.
Contact with eyes	May cause severe irritation
Ingestion	Toxic if swallowed (R25).The ingestion of significant quantities may cause damage to digestive system.The ingestion of significant quantities may cause nausea/vomiting
Carcinogenicity	No evidence of carcinogenic effects

12. Ecological information

Ecotoxicity	Very toxic to aquatic organisms (R50).May cause acute effects in the aquatic environment EC50 (daphnia) 12.5 mg/l (48 hr)(NaNO2).
Mobility	Completely soluble in water.
Persistence and Biodegradability	Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.Degrades by hydrolysi
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: 06.03.08
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

Proper Shipping Name

UN

Proper Shipping Name	Sodium nitrite		
UNNo	1500		
Hazard Class	5.1	Packing Group:	III

Road/Rail (ADR/RID)

Proper Shipping Name	Sodium nitrite

ADR UN No	1500		
ADR Hazard Class	5.1	Tremcard:	51S1500

Sea(IMDG)

Proper Shipping Name	Sodium nitrite		
IMDG UN No	1500		
IMDG Hazard Class	5.1	IMDG Pack Group.:	III
IMDG EmS	F-A, S-B	IMDG subrisk	6.1
IMDG Labels	5.1+6	IMDG Flash point:	N/A

Air(ICAO/IATA)

Proper Shipping Name	Sodium nitrite		
ICAO Un No	1500		
ICAO Hazard Class	5.1	ICAO Packing Group.	III
ICAO subrisk	6.1	ICAO Labels	5.1+6
ICAO Flash point	N/A		

DOT/ CFR (US Department of Transportation)

DOT Proper Shipping Name	Sodium nitrite		
Hazardous Material	Sodium nitrite		
Hazard Class	5.1	Identification Number	UN 1500
Product RQ (lbs)	NE	DOT subrisk	6.1
DOT Labels	5.1+6	DOT Flashpoint:	N/A

15. Regulatory information

Risk Phrases	Very toxic to aquatic organisms (R50).Possible risk of impaired fertility (R62).Possible risk of harm to the unborn child (R63)
Safety Phrases	Keep away from acid (S14).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).Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R25: Toxic if swallowed; R43: May cause sensitisation by skin contact; R50: Very toxic to aquatic organisms; R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R62: Possible risk of impaired 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 safety requirements 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
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This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)
This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)

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