Material Safety Data Sheet

Multi Functional Boiler Treatment (RXSOL-42-5001-025)

1. Product and Company Identifaction

Product Name	:	RXSOL-42-5001-025
Product Type	:	One Shot Universal BWT

Company Details:

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

Stock point : Kandla, Mumbai, Kolkata, Visakhapatnam, Chennai, Fujairah

Phone	:	+91 22 27815540 / 41 / 42
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
Potassium hydroxide	3-5	1310-58-3	215-181	22-35	C
Tripotassium phosphate	1-5	7778-58-3	231-907-1	-	-
Hydrazine	6 - 7	302-01-2			
MORPHOLINE	10-12	110-91-8			
2-Acrylamido-2-methylpropane sulfonic acid	5-7	15214-89-8			

*See Section 16

3. Hazards Identification

Odour	Odourless
Appearance	Liquid, colour less to yellow, soluble in water
Contact with eyes	Corrosive to eyes, Can cause damage to the eyes
Contact with skin	Causes burns(R34)
Inhalation	No information available but must be considered harmful
Ingestion	Harmful if swallowed(R22)

4. First Aid Measures

Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash withsoap and water. Seek medical advice if necessary.
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15minutes Irrigate eyes thorough lywhilst lifting eyelids Obtain immediate medical attention.Continue flushing with water until medical help arrives.
Ingestion	Do not induce vomiting Never give anything by mouth to anunconscious person.Give water or milk to drink Obtain immediate medical attention.
Inhalation	Inhalation is unlikely to occur Seek medical attention if ill effects occur.
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)(S45) When in doubt orsymptoms persist, seek medical attention.

5. Fire-fighting Measures

- Non combustible
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as persection 8.
Environmental Precautions	No special precautions are required for this product.
Clean Up Actions	Absorb spillageininert material and shovelup.Ventilate the area and wash spill site after material pick-up is complete.
Special Precautions	Wear protective clothing as persection 8.

7. Handling and Storage

Handling	Wear protective clothing as persection 8 Eye wash bottles should be available Avoid contact with skin and eyes(S24/25)
Storage	Keep only in the original container in a cool, well ventilated place(S3/9/49).Keep container tightly closed(S7)

8. Exposure controls and personal protection

Exposure Limits	TLV(TWA)2mg/m3(Potassium hydroxide)
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 rubbera recommended)

9. Physical and chemical properties

Odour	Odourless
Appearance	Liquid, colour less to yellow, soluble in water
pH	13at 100%concentration
pH9.5	11at 0.2 %concentration
Boiling point &gt	100°Cat 760mm/Hg
Vapourpressure	not known
Vapourdensity	not applicable
Freezing point	0°Cat 760mm/Hg
Soluble in water	Completely
Specific gravity	(water=1)1.135

10. Stability and reactivity

- This article is considered stable under normal conditions
- Avoid over heating, Keep away from frost
- In compatible with acid
- See Section 5

11. Toxicological information

Toxicological information	No experimental data available
Inhalation	In halation is unlikely to occur
Contact with skin	Prolonged skin or eye contact may cause chemical burns
Contact with eyes	Prolonged skin or eye contact may cause chemical burns
Ingestion	The ingestion of significant quantities may cause burning sensation
Carcinogenicity	No evidence of carcinogenic effects

12. Ecological information

Ecotoxicity	May cause acute effects in the aquatic environment

Mobility	Completely soluble in water
Persistence and Biodegradability	Degrades by hydrolysis
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. Presents little or no hazard to the aquatic environment

13. Disposal considerations

Classification	EUWasteclass: 06.02 This material and/or its container must be disposed of as hazardous
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	Potassium hydroxide, solution		
UNNo	1814		
Hazard Class	8	PackingGroup:	III

Road/Rail(ADR/RID)

Proper Shipping Name	Potassium hydroxide, solution		
ADR UN No	1814		
ADR Hazard Class			

Sea(IMDG)

Proper Shipping Name	Potassium hydroxide, solution		
IMDG UN No			
IMDG Hazard Class	8	IMDG PackGroup.:	III
IMDG EmS	F-A, S-B	IMDG subrisk	N/A
IMDG Labels	8	IMDG Flash point:	N/A

Air(ICAO/IATA)

Proper Shipping Name	Potassium hydroxide, solution		
ICAO Un No	1814		
ICAO Hazard Class	8	ICAO Packing Group.	III
ICAO subrisk	N/A	ICAO Labels	8, CAO
ICAO Flash point	N/A		

DOT/ CFR (US Department of Transportation

DOT Proper Shipping Name	Potassium hydroxide, solution		
Hazardous Material	potassium hydroxide		
Hazard Class	8	Identification Number	UN1814
Product RQ (lbs)	1000	DOT subrisk	N/A
DOT Labels	8	DOT Flashpoint:	N/A

15. Regulatory information

RiskPhrases	Causesburns (R34)
SafetyPhrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice(S26).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)

16. Other information

Text of Rand Sphrase codes used in this safety data sheet:-R22: Harmful if swallowed;R35: Causes severe burns.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 interms 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 assuitable for other applications-usage in such may cause risks not mentioned in this sheet. Donot use for other application(s) without seeking advice from manufacturer

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