

RX Tuff High Foam conc. (RXSOL-22-2214-025)

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

1. Product and Company Identification

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Product Name	:	RXSOL-22-2214-025
Product Type	:	RX TUFF HIGH FOAM

Company Details:

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

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

2. Composition / Information on ingredients

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Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Potassium hydroxide	5-10%	1310-58-3	215-181-3	35	C
2-butoxy ethanol	1-5%	111-76-2	203-905-0	X	
Fatty alcohol ethoxylate	5-10%	34398-01-1	500-084-3	41	
Sodium Meta Silicate	4-6%	6834-92-0	100-027-193		
Disodium cocoamphodiacatate	1-5	68650-39-5	272-043-5	36 Xi	
Cocamide DEA	1-5	68603-42-9	271-657-0		
Non classified ingredients	60-70				

3. Hazards Identification

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Odour	Odourless
Appearance	Liquid, colourless, soluble in water
Contact with eyes	Corrosive to eyes, Can cause damage to the eyes
Contact with skin	Causes burns (R35)
Inhalation	No information available but must be considered harmful
Ingestion	Harmful if swallowed (R22)

4. First Aid Measures

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Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water. advice if necessary
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes. Obtain immediate medical attention. Continue flushing with water until medical help arrives.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Give water if necessary. Obtain immediate medical attention.
Inhalation	Seek medical attention if ill effects occur
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label with this information). If symptoms persist, seek medical attention

5. Fire-fighting Measures

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Non combustible. Smoke from fires is corrosive. Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. Vapour density - not applicable.

6. Accidental Release Measures

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Personal Precautions	Wear protective clothing as per section 8
Environmental Precautions	Do not allow to enter public sewers and watercourses
Clean Up Actions	Absorb spillage in inert material and shovel up. Ventilate the area and wash spill site after material has been removed.
Special Precautions	Wear protective clothing as per section 8

7. Handling and Storage

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Handling	Eyewash bottles should be available. See Section 8.
Storage	Keep only in the original container in a cool, well ventilated place (53/9/49) Protect from frost.

8. Exposure controls and personal protection

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Exposure Limits	OES / LTEL # ppm 2 mg/m ³ (Sodium hydroxide).
Exposure controls	No special ventilation is required unless the product is used in a spray form.
Occupational exposure controls	Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber). Wear suitable respiratory equipment (S42).



Gloves



Suit.



Goggles



No_Smoking

9. Physical and chemical properties

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Odour	Odourless
Appearance	Liquid, colourless to yellow, soluble in water
pH	11.5 - 12.5 at 0.1 % concentration, pH 13 - 14 at 100 % concentration
Boiling point	>100 °C at 760 mm /Hg
Vapour pressure	not known
Vapour density	not applicable
Freezing point	5 °C at 760 mm/Hg
Completely soluble in water	
Specific gravity (water=1)	1.23
Non combustible	

10. Stability and reactivity

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- This article is considered stable under normal conditions
- Avoid overheating, Keep away from frost
- Incompatible with acid
- See Section 5

11. Toxicological information

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Toxicological information	No experimental data available.
Inhalation	Can cause damage to the respiratory system.
Contact with skin	Causes severe burns (R35).
Contact with eyes	Causes severe burns (R35).
Ingestion	The ingestion of significant quantities may cause burning sensation.The ingestion of significant quantities may cause damage to the digestive system.
Carcinogenicity	No evidence of carcinogenic effects.

12. Ecological information

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Ecotoxicity	This product has been evaluated on its behaviour in the environment by "The TNO Institute for Applied Scientific Research". Their conclusion on this product reads: "In general, in the environment, its main ingredients will either dissolve rapidly and dissociate in water or are readily biodegradable. According to the report, IMO's BCH Working Group on the Evaluation of Safety and Pollution Hazards approved the use of this product on chemical tankers."
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Mobility	Completely soluble in water
Persistence and Biodegradability	Its main ingredients will either dissolve rapidly and dissociate in water or are readily / inherently biodegradable
Bioaccumulation Potential	Bioaccumulation of the components in this product is insignificant.
Other Adverse Effects	May cause acute effects in the environment.No environmental problems are expected when used as intended, the product will not be released into the environment.

13. Disposal considerations

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Classification	This material and/or its container must be disposed of as hazardous waste. EU Waste class: 06
Disposal considerations	Do not discharge into drains or the environment, dispose to an authorised waste collection point in accordance with state or national legislation

14. Transport information

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Proper Shipping Name		HYDROXIDE, SOLUTION	
UN			
	Proper Shipping Name	Potassium hydroxide, solution	
	UN NO	1824	
	Hazard Class	8	Packing Group
Road/Rail (ADR/RID)			
	Proper Shipping Name	Potassium hydroxide, solution	
	ADR UN No	1824	
	ADR Hazard Class	8	Termcard
Sear (IMDG)			
	Proper Shipping Name	Potassium hydroxide, solution	
	IMDG UN No	1824	
	IMDG Hazard Class	8	IMDG Pack Gr
	IMDG EmS	F-A, S-B	IMDG subrisk
	IMDG Labels		IMDG Flash po
Air(ICA0/IATA)			
	Proper Shipping Name	Potassium hydroxide, solution	
	ICAO UnNo	1824	
	ICAO Hazard Class	8	ICAO Packing
	ICAO subrisk	N/A	ICAO Labels
	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
	Product RQ (lbs)	3640	DOT subrisk
	DOTLabels	8	DOTFlashpoint

- Forbidden on passenger aircraft

15. Regulatory information

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Risk Phrases	Non Corrosive
Safety Phrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show this label to the doctor).

16. Other information

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(R35: Causes severe burns. R41: Risk of serious damage to eyes.) 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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