

1. Product and Company Identification

www.rxmarine.com

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

www.rxmarine.com

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*
Potassium hydroxide	5-10%	1310-58-3	215-181-3	35
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

www.rxmarine.com

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

www.rxmarine.com

Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap 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 15 minutes. Irrigate eyes thoroughly. 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 or milk to drink. 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 where possible) (S45) If symptoms persist, seek medical attention.

5. Fire-fighting Measures

www.rxmarine.com

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

www.rxmarine.com

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 pick-up is complete
Special Precautions	Acid Wear protective clothing as per section 8

7. Handling and Storage

www.rxmarine.com

Handling	Eyewash bottles should be available. See Section 8.
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49) Protect from frost.

8. Exposure controls and personal protection

www.rxmarine.com

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 are recommended). fumigation/spraying wear suitable respiratory equipment (S42).



Gloves Suit. Goggles No_Smoking

9. Physical and chemical properties

www.rxmarine.com

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

www.rxmarine.com

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

11. Toxicological information

www.rxmarine.com

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 digestive system.
Carcinogenicity	No evidence of carcinogenic effects.

12. Ecological information

www.rxmarine.com

Ecotoxicity	This product has been evaluated on its behaviour in the environment by "The TNO Institute of Environmental Netherlands organisation for applied Scientific Research). Their conclusion on this product reads: "In general, this little danger to the environment, its main ingredients will either dissolve rapidly and dissociate in water or are biodegradable." Based upon their report, IMO's BCH Working Group on the Evaluation of Safety and Pollution Hazard product for use as tank cleaning agent by chemical tankers.
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 the product is used / has its intended use, the product will not be released into the environment.

13. Disposal considerations

www.rxmarine.com

Classification	This material and/or its container must be disposed of as hazardous waste. EU Waste class: 06 02 02
Disposal considerations	Do not discharge into drains or the environment, dispose to an authorised waste collection point Disposal should be in local, state or national legislation

14. Transport information

www.rxmarine.com

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 Group
	IMDG EmS	F-A, S-B	IMDG subrisk
	IMDG Labels		IMDG Flash point
Air(ICA0/IATA)	Proper Shipping Name	Potassium hydroxide, solution	
	ICAO UnNo	1824	
	ICAO Hazard Class	8	ICAO Packing Group
	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 Number
Product RQ (lbs)	3640	DOT subrisk
DOTLabels	8	DOTFlashpoint

- Forbidden on passenger aircraft

15. Regulatory information

www.rxmarine.com

Risk Phrases	Non Corrosive
Safety Phrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where

16. Other information

www.rxmarine.com

(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.

DISCLAIMER OF LIABILITY : The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.