

1. Product and Company Identifaction

www.rxmarine.com

Product Name : RXSOL-22-3033-025
Product Type : ALKAA Tuff High Foam Alkaline Cleaner

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Visakhapatnam, Fujairah, Muscat, Canada

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	10-5%	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
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 soaps and water. Get 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 with water. 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 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
Acid	
Special Precautions	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 for 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 damage to the 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 Sciences (Netherlands organisation for applied Scientific Research). Their conclusion on this product reads: "In general, this chemical presents little danger to the environment, its main ingredients will either dissolve rapidly and dissociate in water or are readily biodegradable." Based upon their report, IMO's BCH Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals 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 / handled as intended. 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 accordance with 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 EmS	F-A, S-B
IMDG Labels	IMDG Flash point

IMDG Pack Group

IMDG subrisk

IMDG Flash point

Air(ICAO/IATA)

Proper Shipping Name	Potassium hydroxide, solution
ICAO UnNo	1824
ICAO Hazard Class	8
ICAO subrisk	N/A
ICAO Flash point	N/A

ICAO Packing Group

ICAO Labels

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 possible)

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.