

1. Product and Company Identification

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Product Name **RXSOL-10-1743-020**
Product Type **Degreaser High Foaming High pH 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 UAE, Muscat Oman, Kenya, Canada

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2. Composition / Information on ingredients

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Chemical Name	Concentration	CAS Number	EC Number	R Phrases*
Potassium hydroxide	10 - 5%	1310-58-3	215-181-3	35
Non classified ingredients	60-70 %	
Mix. Surfactant - Cationic	3 - 4 %	68989-03-7	Mix Blend	
Metasilicate	4 - 5%	6834-92-0	229-912-9	37
2-butoxy ethanol	1 - 5%	31800-88-1	203-905-0	41
STPP	1- 4
Fatty alcohol ethoxylate	5 -10 %	34398-01-1	500-084-3	34

3. Hazards Identification

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Corrosive

Odour Odourless
Appearance Liquid, colourless , soluble in water
Contact with eyes Corrosive to eyes, Can cause damage to the eyes
Contact with skin Causes severe 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. Then wash with soap 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. 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 In case of accident or if you feel unwell, seek medical advice immediately (where possible) (S45)When in doubt or 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 pick-up is complete
Special Precautions	Acid 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 (S3/9/49) 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 are recommended) fumigation/spraying wear suitable respiratory equipment (S42)



Gloves Suit Goggles No_Smoking

9. Physical and chemical properties

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Odour	Odourless
Appearance	Liquid, colourless, 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)	>1.1
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

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 damage 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 of Environment and Health (TNO Institute of Environment and Health, a Netherlands organisation for applied Scientific Research). Their conclusion on this product reads: "In general, this product poses 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 has approved this 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 / handled in accordance with its intended use, 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 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

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Proper Shipping Name	SODIUM HYDROXIDE, SOLUTION		
UN			
	Proper Shipping Name	Potassium hydroxide, solution	
	UN NO.	1824	
	Hazard Class	8	Packing Group II
Road/Rail (ADR/RID)			
	Proper Shipping Name	Potassium hydroxide, solution	
	ADR UN No.	1824	
	ADR Hazard Class	8	Termcard 80S1824
Seas (IMDG)			
	Proper Shipping Name	Potassium hydroxide, solution	
	IMDG UN No.	1824	
	IMDG Hazard Class	8	IMDG Pack Group II
	IMDG EmS	F-A, S-B	IMDG subrisk NA
	IMDG Labels	8	IMDG Flashpoint N/A
Air (ICAO/IATA)			
	Proper Shipping Name	Potassium hydroxide, solution	

ICAO UnNo.	1824		
ICAO HazardClass.	8	ICAO PackingGroup.	II
ICAO subrisk	N/A	ICAO Labels	8, CAO
ICAO Flashpoint	N/A		
DOT/CFR(USDepartment ofTransportation			
DOTProperShippingName	Potassium hydroxide, solution		
HazardousMaterial	Potassium hydroxide		
Hazard Class	8	IdentificationNumber	
Product RQ (lbs)	3640	DOTsubrisk	N/A
DOTLabels	8	DOTFlashpoint	N/A

- Forbidden on passenger aircraft

15. Regulatory information

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Risk Phrases

Causes severe burns (R35).

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

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Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R37: Irritating to respiratory system. 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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