

1. Product and Company Identification

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Product Name RXSOL-20-3018-020
Product Type Aquaclean HD Alkaline cleaner

Company Details:

RX MARINE INTERNATIONAL
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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
2-butoxy ethanol	1-5%	111-76-2	203-905-0	X
Fatty alcohol ethoxylate	5-10 %	34398-01-1	500-084-3	41
Proprietary 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 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	Immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical advice if ne
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes Irrigate eyes thorou eyelids 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 i 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) 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. Acid.
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 (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).

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 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 (TNO Institute of Environment, Netherlands organisation for applied Scientific Research). Their conclusion on this product reads: "In general, this chemical presents a little danger to the environment, its main ingredients will either dissolve rapidly and dissociate in water or are readily/biologically biodegradable." Based upon their report, IMO's BCH Working Group on the Evaluation of Safety and Pollution Hazards has recommended 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 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: 0602.
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 UN	Proper Shipping Name UNNo. Hazard Class	Potassium hydroxide, solution 1824 8	PackingGroup:
Road/Rail(ADR/RID)	Proper Shipping Name ADR UN No. ADR Hazard Class	Potassium hydroxide, solution 1824 8	Tremcard:
Sea(IMDG)	Proper Shipping Name IMDG UN No. IMDG Hazard Class. IMDG EmS IMDG Labels	Potassium hydroxide, solution 1824 8 F-A, S-B 8	IMDG Pack Group.: IMDG subrisk IMDG Flash point:
Air(ICA0/IATA)	Proper Shipping Name ICA0 Un No. ICA0 Hazard Class. ICA0 subrisk ICA0 Flash point	Potassium hydroxide, solution 1824 8 N/A N/A	ICA0 Packing Group. ICA0 Labels
DOT/ CFR (US Department of Transportation)	DOT Proper Shipping Name Hazardous Material Hazard Class Product RQ (lbs): DOT Labels	Potassium hydroxide, solution Potassium hydroxide 8 3640 8	Identification Number DOT subrisk DOT Flashpoint:

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 protective eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where available).

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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