

1. Product and Company Identification

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Product Name **RXSOL-20-3002-025**
Product Type **Aquaa TUFF Cleaner**

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat, Nairobi

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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%	31800-88-1	203-905-0	41
Fatty Alcohol Ethoxylate	5 -10 %	34398-01-1	500-084-3	34
Alkylglucoside	1 - 5%	161074-93-7	500-529-1	41
Mixture of Surfactant - Cationic	3 - 4 %		Mix Blend	36

68989-03-7

4 - 5%

37

Metasilicate 6834-92-0 229-912-9

Non classified ingredients 60-70

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 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 15 minutes Irrigate eyes thoroughly whilst lifting 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 immediate medical attention
Inhalation	Seek medical attention if ill effects occur 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

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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 dispose of material after material pick-up is complete Neutralise with 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) Protect from frost

8. Exposure controls and personal protection

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Exposure Limits	OES / LTEL # ppm 2 mg/m3 (Sodium hydroxide)
Exposure controls	No special ventilation is required unless the product is used in a spray application
Occupational exposure controls	Wear suitable protective clothing, including eye/face protection and gloves (rubber are recommended) During 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 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 digestive system
Carcinogenicity	No evidence of carcinogenic effects

12. Ecological information

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Ecotoxicity	<p>-This product has been evaluated on its behaviour in the environment by the "Institute of Environmental Sciences" (The Netherlands organisation for Scientific Research).</p> <p>-Their conclusion on this product reads:</p> <p>- "In general, this cleaning agent poses little danger to the environment. The ingredients will either dissolve rapidly and dissociate in water or are biodegradable."</p> <p>-Based upon their report, IMO's BCH Working Group on the Evaluation of Pollution Hazards approved this product for use as tank cleaning agent by chemical cleaning.</p>
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Mobility

-Completely soluble in water

Persistence and Biodegradability

-Its main ingredients will either dissolve rapidly and dissociate in water 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 /

-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: 06 02 02

Disposal considerations

-Do not discharge into drains or the environment, dispose to an authorized 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

Seal (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(ICA0/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

Safety Phrases

Causes severe burns (R35)

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable protective clothing, eye/face protection.
- In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

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 in 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 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 apply to the product as 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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