



# RXSOL

VARANASI CHEMICAL | RX MARINE INTERNATIONAL

**RXSOL-20-3018-025**

Aqua Clean HD

## Material Safety Data Sheet (MSDS)

[www.rxmarine.com](http://www.rxmarine.com)

### 1. Product and Company Identification

|              |                                |
|--------------|--------------------------------|
| Product Name | RXSOL-20-3018-025              |
| Product Type | Aquaclean HD(Alkaline cleaner) |

#### Company Details:

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

Stcok Point : Mumbai, Kandla, Kolkata, Vizag, Chennai, Fujairah, Muscat

|       |                                                          |
|-------|----------------------------------------------------------|
| Phone | +91 22 65113333 / 5555 / 9999 / 27611360                 |
| Fax   | +91 22 2781 1318 ::::AOH :0091 9821214367                |
| Email | <a href="mailto:mail@rxmarine.com">mail@rxmarine.com</a> |

[www.rxmarine.com](http://www.rxmarine.com)

### 2. Composition / Information on ingredients

| Chemical Name                          | Concentration | CAS Number | EC Number | R Phrases | Symbols |
|----------------------------------------|---------------|------------|-----------|-----------|---------|
| Potassium hydroxide                    | 10-5%         | 1310-58-3  | 215-181-3 | 35        | C       |
| 2-Butoxy Ethanol                       | 1-5%          | 111-76-2   | 203-905-0 | X         |         |
| Quartenary coco alkyl aminethoxylate   | 5-10%         | 61791-10-4 |           | xi 36,52  |         |
| Fatty alcohol ethoxylate               | 5-10 %        | 34398-01-1 | 500-084-3 | 41        |         |
| Proprietary Non classified ingredients | 60-70         |            |           |           |         |

[www.rxmarine.com](http://www.rxmarine.com)

### 3. Hazards Identification

|                   |                                                 |
|-------------------|-------------------------------------------------|
| 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

[www.rxmarine.com](http://www.rxmarine.com)

|                   |                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact with skin | 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 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                                                                                                                                                                                                    |
| General           | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45) When in doubt or symptoms persist, seek medical attention                                                                     |

#### 5. Fire-fighting Measures

[www.rxmarine.com](http://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](http://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 Neutralise with Acid. |
| Special Precautions       | Wear protective clothing as per section 8.                                                                                                      |

#### 7. Handling and Storage

[www.rxmarine.com](http://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](http://www.rxmarine.com)

|                                |                                                                                                                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 form.                                                                                                        |
| Occupational exposure controls | Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended) During fumigation/spraying wear suitable respiratory equipment (S42). |

## 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 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" (The Netherlands organisation for applied Scientific Research). Their conclusion on this product reads: "In general, this cleaning agent poses little danger to the environment, its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable." Based upon their report, IMO's BCH Working Group on the Evaluation of Safety and Pollution Hazards 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 correctly. In its intended use, the product will not be released into the environment. |

### 13. Disposal considerations

[www.rxmarine.com](http://www.rxmarine.com)

|                         |                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

[www.rxmarine.com](http://www.rxmarine.com)

|                                            |                      |                               |                     |         |
|--------------------------------------------|----------------------|-------------------------------|---------------------|---------|
| Proper Shipping Name                       |                      |                               |                     |         |
| UN                                         |                      |                               |                     |         |
|                                            | Proper Shipping Name | Potassium hydroxide, solution |                     |         |
|                                            | UNNo.                | 1824                          |                     |         |
|                                            | Hazard Class         | 8                             | PackingGroup:       | II      |
| Road/Rail(ADR/RID)                         |                      |                               |                     |         |
|                                            | Proper Shipping Name | Potassium hydroxide, solution |                     |         |
|                                            | ADR UN No.           | 1824                          |                     |         |
|                                            | ADR Hazard Class     | 8                             | Tremcard:           | 80S1824 |
| Sea(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        | N/A     |
|                                            | IMDG Labels          | 8                             | IMDG Flash point:   | N/A     |
| Air(ICA0/IATA)                             |                      |                               |                     |         |
|                                            | Proper Shipping Name | Potassium hydroxide, solution |                     |         |
|                                            | ICA0 Un No.          | 1824                          |                     |         |
|                                            | ICA0 Hazard Class.   | 8                             | ICA0 Packing Group. | III     |
|                                            | ICA0 subrisk         | N/A                           | ICA0 Labels         | 8, CAO  |
|                                            | ICA0 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 | UN 1500 |
|  | Product RQ (lbs):        | 3640                          | DOT subrisk           | 6.1     |
|  | DOT Labels               | 8                             | DOT Flashpoint:       | N/A     |

## 15. Regulatory information

[www.rxmarine.com](http://www.rxmarine.com)

|                |                           |
|----------------|---------------------------|
| Risk Phrases   | Causes severe burns (R35) |
| Safety Phrases |                           |

This Safety Data Sheet is provided by RXSOL. For the most current version of this document, please visit **varanasichemical.com**. This document is prepared in accordance with GHS / OSHA HazCom standards. The information contained herein is believed to be accurate but does not purport to be all-inclusive. It is the responsibility of the user to determine the suitability of this information for their application.