



# RXSOL

VARANASI CHEMICAL | RX MARINE INTERNATIONAL

**RXSOL-22-3030-050**  
ALKAATUFF DETERGENT

## Material Safety Data Sheet (MSDS)

### 1. Product and Company Identification

|              |   |                                                                              |
|--------------|---|------------------------------------------------------------------------------|
| Product Name | : | <b>RXSOL-22-3030-025</b>                                                     |
| Product Type | : | ALKAATUFF DETERGENT <b>Alkaline Cleaner ( Ship Hold Cleaning Detergent )</b> |

#### Company Details:

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

Stock Point : Mumbai, JNPT, Kandla, Vizag, Chennai, Kolkata, Fujairah

|       |   |                                                          |
|-------|---|----------------------------------------------------------|
| Phone | : | +91 22 27815541 / 42                                     |
| Fax   | : | +91 22 2781 1318 ::::AOH :0091 9821214367                |
| Email | : | <a href="mailto:mail@rxmarine.com">mail@rxmarine.com</a> |

### 2. Composition / informationon 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          |         |
| Fatty alcohol ethoxylate   | 5-10%         | 34398-01-1 | 500-084-3 | 41         |         |
| Non classified ingredients | 60-70         |            |           |            |         |

### 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

|                   |                                                                                                                                                                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact with skin | Remove contaminated clothing 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

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

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

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

|                   |                                                                                |
|-------------------|--------------------------------------------------------------------------------|
| Exposure Limits   | OES / LTEL # ppm 2 mg/m <sup>3</sup> (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). |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



Gloves



Suit.



Goggles

## 9. Physical and chemical properties

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

- This article is considered stable under normal conditions
- Avoid overheating, Keep away from frost
- Incompatible with acid
- See Section 5

## 11. Toxicological information

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

|                                  |                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ecotoxicity                      | "In general, this cleaning agent biodegradable to the environment, its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable. |
| 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.                                                       |

### 13. Disposal considerations

|                         |                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------|
| Classification          | This material and/or its container must be disposed of as disposal waste. EU Waste class: 06 02 02 |
| Disposal considerations | Disposal should be in accordance with local, state or national legislation                         |

### 14. Transport information

|                      |                      |                               |                    |         |
|----------------------|----------------------|-------------------------------|--------------------|---------|
| Proper Shipping Name |                      | Potassium 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 |
| Sear (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          |                               | IMDG Flash point   | N/A     |
| Air(ICAO/IATA)       |                      |                               |                    |         |
|                      | Proper Shipping Name | Potassium hydroxide, solution |                    |         |
|                      | ICAO UnNo            | 1824                          |                    |         |
|                      | ICAO Hazard Class    | 8                             | ICAO Packing Group | II      |
|                      | ICAO subrisk         | N/A                           | ICAO Labels        | 8, CAO  |
|                      | ICAO 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 |     |
|                                          | Product RQ (lbs)         | 3640                          | DOT subrisk           | N/A |
|                                          | DOTLabels                | 8                             | DOTFlashpoint         | N/A |

- Forbidden on passenger aircraft

## 15. Regulatory information

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

## 16. Other information

(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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