# Material Safety Data Sheet

**Alkalinity Control** (RXSOL-50-5002-025)

## 1. Product and Company Identifaction

| | | |
|---|---|---|
| Product Name | : | **RXSOL-50-5002-025** |
| Product Type | : | ALKALINITY CONTROL 25 Ltr |

**Company Details:**

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

Stock Point : Mumbai, Kandla, Surat, Kolkata, Chennai, Visakhapatnam, Fujairah, Muscat

| | | |
|---|---|---|
| Phone | : | +91 22 27815541 / 42 |
| Fax | : | +91 22 2781 1318 :::AOH :0091 9821214367 |
| Email | : | mail@rxmarine.com |


## 2. Composition / informationon ingredients

| Chemical Name | Concentration | CAS Number | EC Number | R Phrases* | Symbols |
|---|---|---|---|---|---|
| Metalic hydroxide which includes Sodium Hydroxide | 27 - 36 | 1310-73-2 | 215-185-5 | 35 | C |
| Non classified ingredients Proprietory Blend of Polymer | 64-73 | These products are not classified as hazardous and lower then hazard limits | NA | NA | NA |

*See Section 16

## 3. Hazards Identification



Corrosive

| | |
|---|---|
| Odour | Odourless. |
| Appearance | Liquid, colourless to yellow, 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 the 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. |
| 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

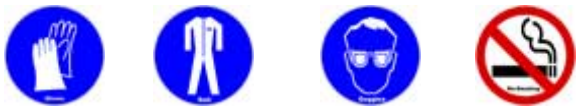
| | |
|---|---|
| Personal Precautions | Wear protective clothing as per section 8. |
| Environmental Precautions | Do not flush spilt material into any public water system. |
| Clean Up Actions | Absorb spillage in inert material and shovel up.Ventilate the area and wash spill site after material pickup 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 (S3/9/49).Protect from frost. |

## 8. Exposure controls and personal protection

| | |
|---|---|
| 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) |



Gloves Suit Goggles No_Smoking

## 9. Physical and chemical properties

| | |
|---|---|
| Odour | Odourless |
| Appearance | Liquid, colourless to yellow, soluble in water |
| PH | 11.5 - 12.5 at 0.1 % concentration , Neat : 14.0 |
| Boiling point | 100 °C at 760 mm /Hg |
| Vapour pressure | Not known |
| Vapour density | Not applicable |
| Freezing point | 0 °C at 760 mm/Hg |
| Completely soluble in water | |
| Specific gravity | (water=1) 1.50 |
| 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 | The ingestion of significant quantities may cause burning sensation.Can cause damage to the digestive system. |
| Inhalation | Not regarded as a potential route of exposure. 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 damage to the digestive system. |
| Carcinogenicity | No evidence of carcinogenic effects. |

## 12. Ecological information

| | |
|---|---|
| Ecotoxicity | May cause acute effects in the aquatic environment. |
| Mobility | Completely soluble in water. |
| Persistence and Biodegradability | Degrades by hydrolysis |
| Bioaccumulation Potential | Bioaccumulation is insignificant |
| Other Adverse Effects | 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

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

Proper Shipping Name:

UN

| | | | |
|---|---|---|---|
| Proper Shipping Name | Sodium hydroxide. solution | | |
| UN NO. | 1824 | | |
| Hazard Class | 8 | Packing Group | II |

Road/Rail (ADR/RID)

| | | | |
|---|---|---|---|
| Proper Shipping Name | Sodium hydroxide. solution | | |
| ADR UN No. | 1824 | | |
| ADR Hazard Class | 8 | Termcard | 80S1824 |

Sear (IMDG)

| | | | |
|---|---|---|---|
| Proper Shipping Name | Sodium hydroxide. solution | | |
| IMDG UN No. | 1824 | | |
| IMDG Hazard Class | 8 | IMDG Pack Group | II |
| IMDG EmS | F-A, S-B | IMDG subrisk | NA |

Air(ICAO/IATA)

| | |
|---|---|
| ProperShippingName: | Sodiumhydroxide, 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: | Sodium hydroxide, solution | | |
| hazardous material | Sodium hydroxide | | |
| Hazard Class: | 8 | IdentificationNumber: | UN1824 |
| Product RQ (lbs): | 3640 | DOTsubrisk: | N/A |
| DOTLabels: | 8 | DOTFlashpoint: | N/A |

## 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 (S26).Wear suitable protective clothing, eye/face protection (S36/39).In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45) |

## 16. Other information

The text of R and S phrase codes used in this safety data sheet:- R35: Causes severe burns.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 manufacture This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC) This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC) This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)

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