Material Safety Data Sheet

Alkalinity Control (RXSOL-50-5002-020)

1. Product and Company Identifaction

Product Name	:	**RXSOL-50-5002-020**
Product Type	:	ALKALINITY CONTROL

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

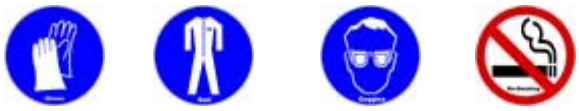
Personal Precautions	Wear protective clothing as per section 8.
Environmental Precautions	Do not flush spilt material into any public water system.
Clean Up Actions	Absorb spillage in inert material and shovel up.Ventilate the area and wash spill site after material pickup is complete.Neutralise with Acid.
Special Precautions	Wear protective clothing as per section 8.

7. Handling and Storage

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

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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