Material Safety Data Sheet

Air Cooler Coil Cleaner Alkaline (RXSOL-16-1040-020)

1. Product and Company Identifaction

Product Name	:	**RXSOL-16-1040-020**
Product Type	:	**AIR COOLER CLEANER , ALKALINE-I**

Company Details:

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

Phone	:	+91 22 65113333 / 5555 / 9999 / 27611360
Fax	:	+91 22 2781 1318 :::AOH :0091 9821214367
Email	:	mail@rxmarine.com

2. Composition / informationon ingredients

Sodium Metasilicate	6834-92-0	NA	NA
Ethoxylatednonylphenol	9016-45-9	NA	NA
Potassium Hydroxide	1310-58-3	NA	NA

Sodium Hydroxide 50% 1310-73-2

3. Hazards Identification

Irritating eyes possible redness and burns. Prolonged contact with skin cause sever burns. Breath to spray mist can be Irritation, If spill can causes slippery floor.

4. First Aid Measures

HAZARD FIRST AID

Skin	Corrosive, possible redness at point Remove contaminated clothing. Immediately wash contact and may cause sever burns of excess chemical with plenty soap and water. apply prolonged contact. emollient cream. Obtain medical attention
Eyes	Corrosive, stinging with some redness irrigate immediately with plenty of water. Continue Possible cause corneal burns irrigation for at least 10 to 15 minutes. seek medical attention immediately
Ingestion	Corrosive, Nausea, vomiting and stomach Do not induce vomiting which may contaminate the upset and pain occur lungs. If unconscious do not give anything by mouth.if necessary give artificial respiratory. If conscious give one pint of water to drink. Obtain medical attention immediately

Inhalation	Inhalation of air mist during spray may Remove to fresh air. Rest, treat symptomatically, cause irritation of mucous membranes seek medical advice immediately.

5. Fire-fighting Measures

Extinguishing Media	Product is non flammable
Special Protective Equipment	Wear breathing apparatus and full protective clothing. Keep container cool by spraying with water if exposed to fire
Exposure Hazards	None

6. Accidental Release Measures

Do not allow entry into drain, sewers and water courses. Mop up with absorbent material such as sand or earth. Scrap or shovel up and transfer to a suitable container. Clean up affected area with plenty of water Prevent slip hazards. See ‘Disposal Consideration’

7. Handling and Storage

Store in original container. Store separately from strong oxidising agents. Avoid contact with skin, eyes and clothing. Keep out reach of children.

8. Exposure controls and personal protection

WEL= Workplace Exposure Limits PROTECTIVE EQUIPMENT:-

Engineering Measures	Provide sufficient ventilation during operations which cause vapour formation.
Hands Protection	Use suitable protective gloves if risk of skin contact.
Eyes Protection	Wear approved safety goggle.
Other Protection	Wear appropriate clothing, respiratory to prevent any possibility of inhalation.
Hygiene Measures	Make eyes wash & showering accessible, wash at the end of each work shift and before eating, smoking using the toilet.

9. Physical and chemical properties

Appearance	:	Clear brown liquid
Odour	:	Herbal Odor
pH	:	13 ± 1
Flash point	:	100°C and above
Flammability	:	Non-flammable

Auto-flammability	:	Not determined
Relative density	:	1.35
Solubility	:	Soluble in water Complete

EVAPORATION RATE (H20 = 1) : 1.0

10. Stability and reactivity

Stability	Stable
Conditions to Avoid	Mixtures of acids, isocyanates, rapid addition to hot water. Will catalyze reacting of other chemicals
Incompatibility	Strong acids
Hazardous decomposition products:	Non
Hazardous polymerization	Will not occur

11. Toxicological information

Corrosive, contact with eyes may cause to irritation and burns. Stinging and redness to skin, prolonged and repeated cause sever burns. Inhalation breath to spray mist may sting to mucous membranes and/or cough and a sore throat. The nature and severity of the acute effects precludes the likelihood of chronic exposure.

12. Ecological information

Biodegradability: Not Applicable Chemical Oxygen Demand (mg.02/1): Not determined Aquatic toxicity studies have not been conducted on this product.

13. Disposal considerations

Recycle used containers if facilities are available, if not incineration is recommended. Failing this, use landfill. Be sure to comply with local authority regulation.

14. Transport information

Proper Shipping Name	:	Pottasium Hydroxide, Solution	
UN Number	:	1284	
ICAO-Air	:	Class 8	Packaging group III
IMO Sea	:	Class 8	Packaging group III
ADR Road	:	Class 8	Packaging group III

15. Regulatory information

Supply classification: Corrosive Hazard pictogram: Risk phrases: R35 Causes sever burns R43 May cause sensitisation by skin contact. Safety phrases: S24/25 Avoid contact with skin and eyes Corrosive S26 Incase of contact with eyes, rinse immediately with plenty of water

and seek medical advice S27 Take off immediately all contaminated clothing. S28 After contact with skin, wash immediately with plenty water S37/39 Wear suitable gloves and eye/face protection.

16. Other information

Data from the following sources have been used to compile this document. HSE – EH40/93 Occupational exposure limits HSE – EH29/93 Occupational skin diseases; Health and Safety Precaution HSC – Safety Data Sheets for substances and preparation dangerous for supply. Date of issue: 31.08.2010