

# Boiler Water Treatment Auto

Part No. RXSOL-50-5020-020 — Generated 28 Sep 2026

## 1. Product and Company Identification

Product Name : **RXSOL-50-5020-020**

Product Type : **BOILER WATER TREATMENT AUTO TREAT**

### 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](mailto:mail@rxmarine.com)

## 2. Composition / information on ingredients

| Chemical Name                                 | Concentration | CAS Number | EC Number | R Phrases* | Symbols |
|-----------------------------------------------|---------------|------------|-----------|------------|---------|
| Potassium hydroxide                           | 1-5           | 1310-58-3  | 215-181   | 22-35      | C       |
| Tripotassium phosphate                        | 1-5           | 7778-58-3  | 231-907-1 | -          | -       |
| Proprietary Blend Polymer and Chelating Agent | 80-90         | ---        | ---       | ---        | ---     |

\*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 burns(R34)                                       |
| 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 | <p>If substance has got into eyes, immediately wash out with plenty of water for at least 15minutes</p> <p>Irrigate eyes thorough lywhilst lifting eyelids</p> <p>Obtain immediate medical attention</p> <p>Continue flushing with water until medical help arrives</p> |
| Ingestion         | <p>Do not induce vomiting</p> <p>Never give anything by mouth to an unconscious person</p> <p>Give water or milk to drink</p> <p>Obtain immediate medical attention</p>                                                                                                 |
| Inhalation        | <p>Inhalation is unlikely to occur</p> <p>Seek medical attention if ill effects occur</p>                                                                                                                                                                               |
| General           | <p>In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)(S45)</p> <p>When in doubt or symptoms persist, seek medical attention</p>                                                                                 |

## 5. Fire-fighting Measures

- Non combustible
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

## 6. Accidental Release Measures

|                           |                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions      | Wear protective clothing as per section 8                                                                                               |
| Environmental Precautions | No special precautions are required for this product                                                                                    |
| Clean Up Actions          | <p>Absorb spillage in inert material and shovel up</p> <p>Ventilate the area and wash spill site after material pick-up is complete</p> |
| Special Precautions       | Wear protective clothing as per section 8                                                                                               |

## 7. Handling and Storage

|          |                                                                                                                                              |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | <p>Wear protective clothing as per section 8</p> <p>Eye wash bottles should be available</p> <p>Avoid contact with skin and eyes(S24/25)</p> |
| Storage  | <p>Keep only in the original container in a cool, well ventilated place(S3/9/49)</p> <p>Keep container tightly closed(S7)</p>                |

## 8. Exposure controls and personal protection

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Exposure Limits   | TLV(TWA)2mg/m <sup>3</sup> (Potassium hydroxide)     |
| Exposure controls | No special precautions are required for this product |

Occupational exposure controls

Wear suitable protective clothing,including eye/face protection and gloves(plastic or rubbera recommended)



Gloves



Goggles



Suit



No\_Smoking

## 9. Physical and chemical properties

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Odour             | Odourless                                       |
| Appearance        | Liquid, colour less to yellow, soluble in water |
| pH                | 13at 100%concentration                          |
| pH9.5             | 11at 0.2 %concentration                         |
| Boiling point &gt | 100°Cat 760mm/Hg                                |
| Vapourpressure    | not known                                       |
| Vapourdensity     | not applicable                                  |
| Freezing point    | 0°Cat 760mm/Hg                                  |
| Soluble in water  | Completely                                      |
| Specific gravity  | (water=1)1.135                                  |

## 10. Stability and reactivity

- This article is considered stable under normal conditions
- Avoid over heating, Keep away from frost
- In compatible with acid
- See Section 5

## 11. Toxicological information

|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| Toxicological information | No experimental data available                                      |
| Inhalation                | In halation is unlikely to occur                                    |
| Contact with skin         | Prolonged skin or eye contact may cause chemical burns              |
| Contact with eyes         | Prolonged skin or eye contact may cause chemical burns              |
| Ingestion                 | The ingestion of significant quantities may cause burning sensation |
| 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 of the components in this product 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.  
Presents little or no hazard to the aquatic environment

### 13. Disposal considerations

|                         |                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification          | EUWasteclass: 06.02<br>This material and/or its container must be disposed of as hazardous                                                                                    |
| Disposal considerations | Do not discharge into drains or the environment,dispose to an authorised waste collection point<br>Disposal should be in accordance with local, state or national legislation |

### 14. Transport information

ProperShippingName: POTASSIUMHYDROXIDE, SOLUTION

UN

ProperShippingName:

UNNo.:

Potassiumhydroxide, solution

1814

HazardClass:

Road/Rail(ADR/RID)

ProperShippingName:

ADRUNNo.:

ADRHazardClass:

8PackingGroup:

Potassiumhydroxide, solution

1814

8

III

ProperShippingName:

IMDG UNNo.:

Revision: 31/12/2008

Potassiumhydroxide, solution

1814

IMDG HazardClass.:

IMDG EmS:

IMDG Labels:

Air(ICA0/IATA)

ProperShippingName:

ICA0 UnNo.:

ICA0 HazardClass.:

ICA0 subrisk:

ICA0 Flashpoint:

8IMDG PackGroup.:

F-A, S-BIMDG subrisk:

8IMDG Flashpoint:

Potassiumhydroxide, solution

1814

8ICA0 PackingGroup.:

N/AICA0 Labels:

N/A

III

N/A

N/A

III

8, CAO

DOT/ CFR(USDepartment ofTransportation

DOTProperShippingName:Potassiumhydroxide, solution

HazardousMaterial:

potassiumhydroxide

HazardClass:

Product RQ (lbs):

DOTLabels:

- For bidden on passenger air craft

## 15. Regulatory information

RiskPhrases : Causesburns (R34)

SafetyPhrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice(S26) Wear suitable protective clothing, eye/face protection and gloves(S36/37/39)

In case of accident or if you feel unwell, seek medical advice immediately(show the label where possible)(S45)

## 16. Other information

Text of RandSphrasecodesusedinthissafetydatasheet:- R22: Harmfulifswallowed; R35: Causessevereburns.

Theinformationprovidedabout theproduct onthis SafetyDataSheet hasbeencompiledfromknowledge of theindividualconstituents Thedatagivenhereisbasedoncurrent knowledgeandexperience. ThisSafetyDataSheet describestheproduct intermsofsafetyrequirementsanddoesnot signify any warrantywithregardtotheproduct'sproperties .Thedatagivenhereonlyapplieswhenproduct used forproperapplication(s). Theproduct isnot sold assuitable forotherapplications-usage in such may cause risks not mentioned inthissheet. Donot useforother application(s)without seekingadvicefrommanufacturer

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