



RXSOL

CHEMO PHARMA INTERNATIONAL

RXSOL-40-5001-210

One Shot Universal Liquid Treat

Material Safety Data Sheet (MSDS)

1. Product and Company Identification

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| | | |
|--------------|---|-------------------------------|
| Product Name | : | RXSOL-50-5001-210 |
| Product Type | : | BOILER WATER TREATMENT |

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 / Information on ingredients

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| Chemica 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 | - | - |

*See Section 16

3. Hazards Identification

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Corrosive

| | |
|-------------------|---|
| Odour | Odourless |
| Appearance | Liquid, colour less 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

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|-------------------|--|
| 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 | Inhalation is unlikely to occur. 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

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

6. Accidental Release Measures

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

7. Handling and Storage

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

8. Exposure controls and personal protection

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|--------------------------------|---|
| Exposure Limits | TLV(TWA)2mg/m ³ (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 rubber recommended) |



Gloves



Suit



Goggles



No_Smoking

9. Physical and chemical properties

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| | |
|--------------------|---|
| Odour | Odourless |
| Appearance | Liquid, colour less to yellow, soluble in water |
| pH | 13at 100%concentration |
| pH9.5 | 11at 0.2 %concentration |
| Boiling point > | 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

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- 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

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

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

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|-------------------------|---|
| Classification | EUWasteClass: 06.02 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 Disposal should be in accordance with local, state or national legislation |

14. Transport information

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| | | | | |
|--|--------------------------|-------------------------------|---------------------|--------|
| Proper Shipping Name | | | | |
| UN | | | | |
| | Proper Shipping Name | Potassium hydroxide, solution | | |
| | UNNo | 1814 | | |
| | Hazard Class | 8 | PackingGroup: | III |
| Road/Rail(ADR/RID) | | | | |
| | Proper Shipping Name | Potassium hydroxide, solution | | |
| | ADR UN No | 1814 | | |
| | ADR Hazard Class | | | |
| Sea(IMDG) | | | | |
| | Proper Shipping Name | Potassium hydroxide, solution | | |
| | IMDG UN No | | | |
| | IMDG Hazard Class | 8 | IMDG PackGroup.: | III |
| | IMDG EmS | F-A, S-B | IMDG subrisk | N/A |
| | IMDG Labels | 8 | IMDG Flash point: | N/A |
| Air(ICA0/IATA) | | | | |
| | Proper Shipping Name | Potassium hydroxide, solution | | |
| | ICAO Un No | 1814 | | |
| | ICAO Hazard Class | 8 | ICAO Packing Group. | III |
| | 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 | UN1814 |
| Product RQ (lbs) | 1000 | DOT subrisk | N/A |
| DOT Labels | 8 | DOT Flashpoint: | N/A |

15. Regulatory information

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

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Text of Rand Sphrase codes used in this safety data sheet:-R22: Harmful if swallowed;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 interms 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 assuitable for other applications-usage in such may cause risks not mentioned in this sheet. Donot use for other application(s) without seeking advice from manufacturer

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