

**Product Name:** Potassium Chloride USP Grade**Part No / SKU:** RXSOL-81-8102-020**Date of Issue:** September 09, 2026**Document Type:** Material Safety Data Sheet (MSDS)

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|              |                              |
|--------------|------------------------------|
| Product Name | Potassium Chloride USP Grade |
| Part Number  | RXSOL-81-8102-020            |

**Company Details:****RX MARINE INTERNATIONAL****105, A wing , BSEL , TECH PARK.****VASHI ,NEW BOMBAY 400703 INDIA****Branch : Kandla, Sikka, Dahej, Hazira, JNPT, Goa, Mangalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Kolkata, UAE, Singapore.**

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

|                    |            |           |                  |
|--------------------|------------|-----------|------------------|
| Product Name       | Cas Number | EC-No.    | Molecular weight |
| Potassium Chloride | 7447-40-7  | 231-211-8 | 74,55 g/mol      |

## 3. HAZARDS IDENTIFICATION

|                                            |                                                                                                                                                                                                    |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification of the substance or mixture | Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.<br>This substance is not classified as dangerous according to Directive 67/548/EEC.                               |
| Label elements                             | The product does not need to be labelled in accordance with EC directives or respective national laws.                                                                                             |
| Other hazards                              | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |

#### 4. FIRST AID MEASURES

|                                                                            |                                                                                                                     |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| General advice                                                             | Consult a physician. Show this safety data sheet to the doctor in attendance.                                       |
| Inhalation:                                                                | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.     |
| Skin Contact                                                               | Wash off with soap and plenty of water. Consult a physician.                                                        |
| Eye Contact                                                                | Flush eyes with water as a precaution.                                                                              |
| Swallowed                                                                  | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.                 |
| Most important symptoms and effects, both acute and delayed                | The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 |
| Indication of any immediate medical attention and special treatment needed | No Data Available                                                                                                   |

#### 5. FIRE FIGHTING MEASURES

|                                                       |                                                                          |
|-------------------------------------------------------|--------------------------------------------------------------------------|
| Suitable extinguishing media                          | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Special hazards arising from the substance or mixture | Hydrogen chloride gas, Potassium oxides                                  |
| Advice for firefighters                               | Wear self-contained breathing apparatus for firefighting if necessary.   |
| Further information                                   | No data available                                                        |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                                                     |                                                                                                                                                             |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust. For personal protection see section 8. |
| Environmental Precaution                                            | Do not let product enter drains.                                                                                                                            |
| Methods and materials for containment and cleaning up               | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.                                  |
| Reference to other sections                                         | For disposal see section 13.                                                                                                                                |

#### 7. HANDLING AND STORAGE

|                                                              |                                                                                                                                                        |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling                                | Avoid formation of dust and aerosols.<br>Provide appropriate exhaust ventilation at places where dust is formed.<br>For precautions see section 2.2.   |
| Conditions for safe storage, including any incompatibilities | Store in cool place. Keep container tightly closed in a dry and well-ventilated place. hygroscopic<br>Storage class (TRGS 510): Non Combustible Solids |
| Specific end use(s)                                          | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated                                                                     |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                   |                                                                                                                                                                                                                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls  | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.                                                                                                                                                                                     |
| Personal protective equipment     | Eye/face protection<br>Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).                                                                                                                                                           |
| Skin protection                   | Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. |
| Body Protection                   | Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.                    |
| Respiratory protection            | Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).                                |
| Control of environmental exposure | Do not let product enter drains.                                                                                                                                                                                                                                                                               |



Gloves



Suit

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                         |                                                    |
|-----------------------------------------|----------------------------------------------------|
| Appearance Form                         | Crystalline, powder Colour: white                  |
| Odour                                   | No Data Available                                  |
| Odour Threshold                         | No Data Available                                  |
| pH                                      | 7                                                  |
| Melting point/freezing point            | 770 °C                                             |
| Initial boiling point and boiling range | No Data Available                                  |
| Flash point                             | No Data Available                                  |
| Evaporation rate                        | No Data Available                                  |
| Flammability (solid, gas)               | No Data Available                                  |
| Explosive limits                        | Upper No Data Available<br>lower No Data Available |
| Vapour pressure                         | No data available                                  |
| Vapour density                          | No Data Available                                  |
| Relative density                        | 1,98 g/mL at 25 °C                                 |
| Water solubility                        | Soluble                                            |
| Partition coefficient: n- octanol/water | No data available                                  |
| Auto-ignition temperature               | No Data Available                                  |
| Decomposition temperature               | No Data Available                                  |
| Viscosity                               | No Data Available                                  |
| Explosive properties                    | No Data Available                                  |
| Oxidizing properties                    | No Data Available                                  |
| Other safety information                | No data available                                  |

## 10. STABILITY AND REACTIVITY

|                                    |                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------|
| Reactivity                         | No Data Available                                                                    |
| Chemical stability                 | Stable under recommended storage conditions.                                         |
| Possibility of hazardous reactions | No Data Available                                                                    |
| Conditions to avoid                | No Data Available                                                                    |
| Incompatible materials             | Strong acids, Strong bases, Strong oxidizing agents                                  |
| Hazardous decomposition products   | Other decomposition products - No data available In the event of fire: see section 5 |

## 11. TOXICOLOGICAL INFORMATION

|                                                    |                                                                                                                                                                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity                                     | No data available                                                                                                                                                                                                    |
| Skin corrosion/irritation                          | No data available                                                                                                                                                                                                    |
| Serious eye damage/eye irritation                  | No eye irritation                                                                                                                                                                                                    |
| Respiratory or skin sensitisation                  | No data available                                                                                                                                                                                                    |
| Germ cell mutagenicity                             | No data available                                                                                                                                                                                                    |
| Carcinogenicity                                    | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.                                                        |
| Reproductive toxicity                              | No Data Available                                                                                                                                                                                                    |
| Specific target organ toxicity - single exposure   | No data available                                                                                                                                                                                                    |
| Specific target organ toxicity - repeated exposure | No data available                                                                                                                                                                                                    |
| Aspiration hazard                                  | No data available                                                                                                                                                                                                    |
| Additional Information                             | RTECS: TS8050000 hyperkalemia, Nausea, Vomiting, Abdominal pain, Diarrhoea, Constipation., Paresthesia., Thirst, Dizziness, Rash, pruritus, Weakness, muscle cramps, minor psychiatric changes, minor visual changes |

## 12. ECOLOGICAL INFORMATION

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxicity                           | <p>Toxicity to fish</p> <p>Toxicity to daphnia and other aquatic invertebrates</p> <p>LC50 - Pimephales promelas (fathead minnow) - 880 mg/l - 96 h</p> <p>mortality NOEC - Pimephales promelas (fathead minnow) - 500 mg/l - 7 d</p> <p>mortality LOEC - Pimephales promelas (fathead minnow) - 1.000 mg/l - 7 d</p> <p>EC50 - Daphnia magna (Water flea) - &gt; 440 mg/l - 48 h (OECD Test Guideline 202)</p> |
| Persistence and degradability      | No Data Availble                                                                                                                                                                                                                                                                                                                                                                                                |
| Bioaccumulative potential          | No data Available                                                                                                                                                                                                                                                                                                                                                                                               |
| Mobility in soil                   | > 60% (28 d)                                                                                                                                                                                                                                                                                                                                                                                                    |
| Results of PBT and vPvB assessment | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.                                                                                                                                                                                                              |
| Other adverse effects              | No Data Availble                                                                                                                                                                                                                                                                                                                                                                                                |

## 13. DISPOSAL CONSIDERATIONS

|                        |                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                | Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. |
| Contaminated packaging | Dispose of as unused product.                                                                                                                                                                                    |

## 14. TRANSPORT INFORMATION

|                                                                          |              |
|--------------------------------------------------------------------------|--------------|
| Land transport (ADR/RID)                                                 | Not relevant |
| Inland waterway transport (ADN)                                          | Not relevant |
| Air transport (IATA)                                                     | Not relevant |
| Sea transport (IMDG)                                                     | Not relevant |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not relevant |

## 15. REGULATORY INFORMATION

|                                                                                                |                                                                   |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Safety, health and environmental regulations/legislation specific for the substance or mixture | No data available                                                 |
| Chemical safety assessment                                                                     | For this product a chemical safety assessment was not carried out |

## 16. OTHER INFORMATION AND DISCLAIMER

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other Information | <p>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if <b>Rx Marine International</b> has been advised of the possibility of such damages.</p> <p><b>DISCLAIMER OF LIABILITY :</b> The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.</p> |
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