Material Safety Data Sheet

Muriate of Potash (RXSOL-19-8102-025)

1. Product and Company Identifaction

Product Name	Potassium Chloride
Part Number	RXSOL-81-8102-050

Company Details:
RX MARINE INTERNATIONAL
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2. Composition / informationon 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. 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.
Enviromental 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. Provide appropriate exhaust ventilation at places where dust is formed. 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 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 and 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 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
Evapouration rate	No Data Available
Flammability (solid, gas)	No Data Available
Explosive limits	Upper No Data Available 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

Recativity	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	Toxicity to fish Toxicity to daphnia and other aquatic invertebrates LC50 - Pimephales promelas (fathead minnow) - 880 mg/l - 96 h mortality NOEC - Pimephales promelas (fathead minnow) - 500 mg/l - 7 d mortality LOEC - Pimephales promelas (fathead minnow) - 1.000 mg/l - 7 d EC50 - Daphnia magna (Water flea) - > 440 mg/l - 48 h (OECD Test Guideline 202)
Persistence and degradability	No Data Abailble
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 Avaialble

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 relevan

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

Other Information

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