Material Safety Data Sheet

BRINE SOLUTION (RXSOL-81-4049-1000)

1. Product and Company Identifaction

Product Name	BRINE SOLUTION
Part Number	RXSOL-81-4049-1000

Company Details:

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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Email	mail@rxmarine.com
Website	www.rxmraine.com

2. Composition / informationon ingredients

Mixture

Name	Product Identifier	%	GHS Ingredient Classification
Water	CAS-No.7732-18-5	74 - 95	Not classified
Potassium Chloride	CAS-No. 7440-09-7	5 - 26	Not classified

3. Hazards Identification

Classification of the substance or mixture

Physical hazards	Based on available data, the classification criteria are not met
Health hazards	Based on available data, the classification criteria are not met
Environmental hazards	Based on available data, the classification criteria are not met
Label elements	None required
Other hazards	Toxic to terrestrial vertebrates This product does not contain any known or suspected endocrine disruptors

4. First Aid Measures

Eyes	In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.
Skin	In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician	Treat symptomatically and supportively.

5. Fire-fighting Measures

General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.
Spills/Leaks	Use extinguishing media most appropriate for the surrounding fire.
Flash Point	Not applicable
Autoignition Temperature	Not applicable
Explosion Limits, Lower	Not available.
Upper	Not available.
NFPA Rating	(Estimated) Health: 1; Flammability: 0; Instability: 0

6. Accidental Release Measures

General Measures	Use proper personal protective equipment as indicated in Section 8
Spills/Leaks	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container

7. Handling and Storage

Handling	Avoid prolonged or repeated contact with skin. Avoid contact with eyes.
Storage	Store in a tightly closed container.

8. Exposure controls and personal protection

Engineering Controls	There are no special ventilation requirements.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Water	None listed	None listed	None listed
Potassium chloride	None listed	None listed	None listed

OSHA Vacated PELs	Water: No OSHA Vacated PELs are listed for this chemical. Potassium chloride: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment	
Eyes	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin	Wear appropriate protective gloves to prevent skin exposure
Clothing	Wear appropriate protective clothing to prevent skin exposure
Respirators	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. Physical and chemical properties

Physical state	Liquid
Appearance	Colorless
Odour	None reported
pH	Not available.
Vapor Pressure	14 mm Hg
Vapor Density	0.7
Evaporation Rate	Not available.
Viscosity	Not available.
Boiling Point	212 deg F
Freezing/Melting Point	14 deg F
Decomposition Temperature	Not available.

Solubility	Soluble in water
Specific Gravity/Density	1.2
Molecular Formula	KCl solution
Molecular Weight	Not available.

10. Stability and reactivity

Chemical stability	Stable under normal temperatures and pressures.
Conditions to avoid	No specific conditions to avoid noted.
Incompatibilities with Other Materials	May react violently with bromine trifluoride. May result in explosion with potassium permanganate and sulfuric acid.
Hazardous Decomposition Products	Hydrogen chloride, chlorine, potassium fume.
Hazardous Polymerization	Will not occur.

11. Toxicological information

Epidemiology	No data available.
Teratogenicity	No data available.
Reproductive Effects	No data available.
Mutagenicity	No data available.
Neurotoxicity	No data available.

12. Ecological information

No information available

13. Disposal considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series	None listed.
RCRA U-Series	None listed.

14. Transport information

	US DOT	Canada TDG
Shipping Name	Not regulated as a hazardous material	No information available.
Hazard Class	Not regulated as a hazardous material	No information available.
UN Number	Not regulated as a hazardous material	No information available.
Packing Group	Not regulated as a hazardous material	No information available.

15. Regulatory information

US FEDERAL

TSCA	CAS# 7732-18-5 is listed on the TSCA inventory. CAS# 7440-09-7 is listed on the TSCA inventory.
Health & Safety Reporting List	None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules	None of the chemicals in this product are under a Chemical Test Rule.
Section 12b	None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule	None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs	None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances	None of the chemicals in this product have a TPQ.
SARA Codes	CAS # 7440-09-7: immediate.
Section 313	This material contains Potassium chloride (listed as Water Dissociable Nitrate Compounds), 29.8%, (CAS# 7440-09-7) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act	This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.
Clean Water Act	None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA	None of the chemicals in this product are considered highly hazardous by OSHA.
STATE	CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ. CAS# 7440-09-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.
California Prop 65	California No Significant Risk Level: None of the chemicals in this product are listed.

16. Other information

Other Information	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 weassume 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 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 Rx Marine International has been advised of the possibility of such damages. DISCLAIMER OF LIABILITY :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.