

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-94-6133-025  
Product Type Potassium Sulphate

### Company Details:

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

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## 2. Composition / Information on ingredients

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Ingredient	CAS No	Percent	Hazardous
Potassium sulfate	7778-80-5	90 - 100%	No

## 3. Hazards Identification

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Inhalation: Possible nuisance dust effect, sneezing or coughing  
Ingestion: Large oral dosages may produce gastrointestinal disturbances and irritation.  
Skin Contact: Not expected to be a health hazard from skin exposure.  
Eye Contact: No adverse effects expected but dust may cause mechanical irritation.  
Chronic Exposure: Not expected to be a health hazard. Potassium poisoning may occur in rare cases of long exposure or ingestion.  
Aggravation of Pre-existing Conditions: No adverse health effects expected.

## 4. First Aid Measures

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Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keep eyes open. Cold water may be used. Do not use an eye ointment. Seek medical attention.  
Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Do not use skin with an emollient. If irritation persists, seek medical attention.  
Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.  
Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.  
Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth resuscitation. Seek immediate medical attention.

## 5. Fire-fighting Measures

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Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

## 6. Accidental Release Measures

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**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the surface and allow to evacuate through the sanitary system.

## 7. Handling and Storage

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**Precautions:** Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin.

**Storage:** No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that the shelves are necessary to strain to reach materials, and that shelves are not overloaded.

## 8. Exposure controls and personal protection

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**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the recommended limit.

**Personal Protection:** Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid contact with the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

## 9. Physical and chemical properties

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Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 174.26 g/mole

Color: Not available.

pH (1% soln/water): Not available.

Boiling Point: 1689°C (3072.2°F)

Melting Point: 1067°C (1952.6°F)

Critical Temperature: Not available.

Specific Gravity: 2.66 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

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Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility: Partially soluble in cold water

## 10. Stability and reactivity

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Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass. p. 4

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

## 11. Toxicological information

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Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 6600 mg/kg [Rat].

Chronic Effects on Humans: The substance is toxic to lungs, mucous membranes.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

## 12. Ecological information

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Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

## 13. Disposal considerations

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Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport information

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DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

## 15. Regulatory information

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Federal and State Regulations: TSCA 8(b) inventory: Potassium sulfate

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications: WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC). DSCL (EEC): R36/38- Irritating to eyes and skin.

## 16. Other information

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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 in terms 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 as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other.

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