Material Safety Data Sheet

Potassium Hydrogen Sulfate (RXSOL-15-6133-025)

1. Product and Company Identifaction

Product Name	**RXSOL-15-6133-025**
Product Type	Potassium Hydrogen Sulfate

Company Details:

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

Stock Point : Mumbai, Kolkata, Chennai, Gandhidham, Visakhapatnam, Fujairah, Muscat

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Ingredient	CAS No	Percent	Hazardous
Sulfuric Acid, Monopotassium Salt	7646-93-7	90 - 100%	Yes

3. Hazards Identification

Odour	Odourless
Appearance	White powder
Contact with eyes	Corrosive. Contact can cause blurred vision, redness, pain and severe tissue burns
Contact with skin	Corrosive. Symptoms of redness, pain, and severe burn can occur
Inhalation	Corrosive. Inhalation produces damaging effects on the mucous membranes and upper respiratory tract. Symptoms may include soreness in nasal passages, irritation of the throat, possible coughing and sneezing, labored breathing
Ingestion	Corrosive. Swallowing can cause severe burns of the mouth, throat, and stomach. Can cause sore throat, vomiting, diarrhea.

4. First Aid Measures

Contact with skin	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Contact with eyes	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Ingestion	If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. Fire-fighting Measures

Fire: Not considered to be a fire hazard. Explosion: Not considered to be an explosion hazard. Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire. Special Information: Use protective clothing and breathing equipment appropriate for the surrounding fire

6. Accidental Release Measures

Personal Precautions	Wear protective clothing
Environmental Precautions	No special precautions are required for this product
Immediate Actions	Shut off source of leak if safe to do so - Use appropriate containment to avoid environmental contamination
Special Precautions	Wear protective clothing
Clean Up Actions	Absorb spillage in inert material and shovel up - Ventilate the area and wash spill site after material pick-up is complete

Do not use metal containers for spilled liquid

7. Handling and Storage

Handling	Wear protective clothing.Avoid contact with skin and eyes. Eyewash bottles should be available Storage Keep only in the original container in a cool, well ventilated place.

8. Exposure controls and personal protection

Exposure Limits	None established.
Exposure controls	Individual protection measures (personal protective equipment) Eye/face protection:Use safety goggle with side protection. Wear face protection. Skin protection:hand protection Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves

9. Physical and chemical properties

Odour	Odourless
Appearance	White powder.
pH	1 (water: 50 g /l , 20 °C)
Boiling point	Not applicable.
Vapour pressure	No information found
Vapour density	No information found.
Freezing point	195 °C (slow decomposition)
Completely	56g in 100g of water.
Specific gravity (water=1)	2.24

10. Stability and reactivity

Stability: Stable under ordinary conditions of use and storage. Hazardous Decomposition Products: Oxides of sulfur and the contained metal. Hazardous Polymerization: Will not occur. Incompatibilities: Strong bases. Conditions to Avoid: Moisture and incompatibles

11. Toxicological information

Oral rat LD50: 2340 mg/kg.

--------\Cancer Lists\----------

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Sulfuric Acid, Monopotassium Salt (7646-93-7)	No	No	None

Skin corrosion/irritation	Causes severe burns.

12. Ecological information

Toxicity	acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.
Mobility in soil	Data are not available.
Persistence and Biodegradability	Its main ingredients will either dissolve rapidly and dissociate in water or are readily / i nherently biodegradable.

Bioaccumulative potential	Data are not available.
Process of degradability	The methods for determining the biological degradability are not applicable to inorganic substances.
Other adverse effects	Slightly hazardous to water.

13. Disposal considerations

Waste treatment methods	This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations. Sewage disposal-relevant information:Do not empty into drains. Waste treatment of containers/packagings:It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used.
Relevant provisions relating to waste	The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.
Remarks	Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

14. Transport information

Proper Shipping Name:	POTASSIUM HYDROGEN SULPHATE		
UN NO.	2509		
Hazard Class	8 (corrosive substances)	PackingGroup	II (substance presenting medium danger)
Proper Shipping Name	POTASSIUM HYDROGEN SULPHATE		
ADR UN No.	2509		
ADRHazardClass	8 (corrosive substances)		II (substance presenting medium danger)
Proper Shipping Name	POTASSIUM HYDROGEN SULPHATE		
IMDG UN No.	2509		
IMDG Hazard Class	8	IMDG PackGroup.:	III

IMDG EmS		IMDG subrisk	-
IMDG Labels	8	IMDG Flashpoint:	N/A
ProperShippingName	POTASSIUM HYDROGEN SULPHATE		
ICAO UnNo	2509		
ICAO HazardClass.	8	ICAO PackingGroup	III
ICAO subrisk	-	ICAO Labels	
ICAO Flashpoint	N/A		
DOTProperShippingName	POTASSIUM HYDROGEN SULPHATE		
HazardousMaterial	POTASSIUM HYDROGEN SULPHATE		
HazardClass	8	Identification Number	
Product RQ (lbs):	N/E	DOT subrisk	-
DOT Labels	8	DOT Flashpoint	N/A

15. Regulatory information

Risk Phrases	Causes burns
Safety Phrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, eye/face protection and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible.)

Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

- Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC): Not listed.
- Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS):Not listed.

16. Other information

Text of R phrase codes used in this safety data sheet:-
R36: Irritating to eyes.

RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
vPvB	very Persistent and very Bioaccumulative.
H314	causes severe skin burns and eye damage.

H335	may cause respiratory irritation.

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.