Material Safety Data Sheet

Potassium Hydride (RXSOL-81-8102-030)

1. Product and Company Identifaction

Product Name	Potassium Hydride
Part Number	RXSOL-81-8102-030

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

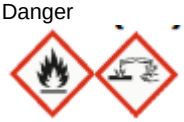
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2. Composition / informationon ingredients

Product Name	Cas Number	EC-No.	Molecular weight
Potassium Hydride	7693-26-7	232-151-5	40,11 g/mol

3. Hazards Identification

Classification of the substance or mixture	Classification according to Regulation (EC) No 1272/2008 Substances and mixtures which in contact with water emit flammable gases (Category 1), H260 Skin corrosion (Sub-category 1B), H314 Serious eye damage (Category 1), H318 For the full text of the H-Statements mentioned in this Section, see Section .
Label elements	Labelling according Regulation (EC) No 1272/2008 Signal Word Danger  Pictogram
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	First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.
Inhalation:	After inhalation: fresh air. Call in physician.
Skin Contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.
Eye Contact	After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.
Swallowed	After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise.
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	Carbon dioxide (CO2) Dry powder
Special hazards arising from the substance or mixture	Potassium oxides Mixture with combustible ingredients. May not get in touch with: Water Development of hazardous combustion gases or vapours possible in the event of fire.
Advice for firefighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Further information	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Enviromental Precaution	Do not let product enter drains. Risk of explosion.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.
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

Personal protective equipment	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

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. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Body Protection	protective clothing
Respiratory protection	required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.
Control of environmental exposure	Do not let product enter drains. Risk of explosion.



Gloves



Suit

9. Physical and chemical properties

Appearance Form	white solid, although commercial samples appear gray.
Odour	No Data Available
Odour Threshold	No Data Available
pH	Basic
Melting point/freezing point	400°C
Initial boiling point and boiling range	316°C
Flash point	> 113 °C
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	Sensitive to moisture.
Possibility of hazardous reactions	No Data Available
Conditions to avoid	Moisture

Incompatible materials	Reacts violently with water., Acids, Alcohols, Oxidizing agents, Chlorinated solvents
Hazardous decomposition products	Hazardous decomposition products - flammable hydrogen gas In the event of fire: see section 5

11. Toxicological information

Acute toxicity	Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract Dermal: No data available
Skin corrosion/irritation	Mixture causes burns.
Serious eye damage/eye irritation	Mixture causes serious eye damage. Risk of blindness!
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
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	No data available

12. Ecological information

Toxicity	No Data Available
Persistence and degradability	No Data Availble
Bioaccumulative potential	No Data Available
Mobility in soil	No Data Available
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	No Data Available
Contaminated packaging	No Data Available

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	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. National legislation Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : OTHER HAZARDS : OTHER HAZARDS Other regulations Take note of Dir 94/33/EC on the protection of young people at work.
Chemical safety assessment	For this product a chemical safety assessment was not carried out

16. Other information

Full text of H-Statements referred to under sections 2 and 3. EUH014 Reacts violently with water. H260 In contact with water releases flammable gases which may ignite spontaneously. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.

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