# 1. Product and Company Identifaction

www.rxmarine.com

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 / Information on ingredients

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Product NameCas NumberEC-No.Molecular weightPotassium Hydride7693-26-7232-151-540,11 g/mol

#### 3. Hazards Identification

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Classification of the substance or mixture

Classification according to Regulation (EC) No 127 with water emit flammable gases (Category 1), H26 eye damage (Category 1), H318 For the full text of Section

Label elements

Labelling according Regulation (EC) No 1272/2008 Signal Word Danger

Pictogram



Other hazards

This substance/mixture contains no components constoxic (PBT), or very persistent and very bioaccumula

## 4. First Aid Measures

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General advice

Inhalation:

Skin Contact

First aiders need to protect themselves. Show this ma

After inhalation: fresh air. Call in physician.

In case of skin contact: Take off immediately all cor

Eye Contact After eye contact: rinse out with plenty of water. Im

Swallowed After swallowing: make victim drink water (two gla

Most important symptoms and effects, both acute and delayed

Call a physician immediately. Do not attempt to neut
The most important known symptoms and effects are

in section 11
Indication of any immediate medical attention and special treatment needed No Data Available

# 5. Fire-fighting Measures

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Call a physician immediately.

Suitable extinguishing media Carbon dioxide (CO2) Dry powder

Special hazards arising from the substance or mixture

Potassium oxides Mixture with combustible ingredier

Development of hazardous combustion gases or vapours

Advice for firefighters

Stay in danger area only with self-contained breathing ap safe distance or by wearing suitable protective clothing.

Further information Prevent fire extinguishing water from contaminating surf

### 6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breather adequate ventilation. Evacuate the danger area, obse

Environmental Precaution personal protection see section 8.

Environmental Precaution Do not let product enter drains. Risk of explosion.

Methods and materials for Cover drains. Collect, bind, and pump off spills. Ob

containment and cleaning up and 10). Take up with liquid-absorbent material (e. affected area.

Reference to other sections For disposal see section 13.

### 7. Handling and Storage

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Provide appropriate exhaust ventilation at places when

Precautions for safe handling Avoid formation of dust and aerosols.

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in

class (TRGS 510): Non Combustible Solids

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other

# 8. Exposure controls and personal protection

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NIOSH (US) or EN 166(EU). Tightly fitting safety g

Skin protection

Handle with gloves. Gloves must be inspected pri
(without touching glove's outer surface) to avoi
contaminated gloves after use in accordance with app
and dry hands. The selected protective gloves have
2016/425 and the standard EN 374 derived from it.

Body Protection protective clothing

Respiratory protection required when vapours/aerosols are generated. Our reare based on the following standards: DIN EN 143 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

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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 316°C

range

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- No data available

octanol/water

Auto-ignition temperature

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

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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

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Acute toxicity Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus are

Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract Dermal: No

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 No data available

exposure

Specific target organ toxicity -

repeated exposure

No data available

Aspiration hazard No data available Additional Information No data available

# 12. Ecological information

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

and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects No Data Avaialble

## 13. Disposal considerations

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Product No Data Available
Contaminated packaging No Data Available

## 14. Transport information

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Land transport (ADR/RID)

Not relevant Inland waterway transport (ADN)

Air transport (IATA)

Not relevant Not relevant Sea transport (IMDG)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

# 15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with t legislation Seveso III: Directive 2012/18/EU of

major-accident hazards involving dangerous su regulations Take note of Dir 94/33/EC on the p

For this product a chemical safety assessment v

Chemical safety assessment

### 16. Other information

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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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