

1. Product and Company Identification

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Product Name

Potassium Hydride

Part Number

RXSOL-81-8102-030

Company Details:

RX MARINE INTERNATIONAL

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2. Composition / Information on ingredients

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Product Name

Cas Number

EC-No.

Molecular weight

Potassium Hydride

7693-26-7

232-151-5

40,11 g/mol

3. Hazards Identification

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Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 with water emit flammable gases (Category 1), H260 Corrosive to metals (Category 1), H314 Causes severe eye damage (Category 1), H318 For the full text of the classification see Section 9.

Label elements

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

Pictogram



Other hazards

This substance/mixture contains no components considered as persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

4. First Aid Measures

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General advice

First aiders need to protect themselves. Show this material safety data sheet to the doctor.

Inhalation:

After inhalation: fresh air. Call in physician.

Skin Contact

In case of skin contact: Take off immediately all contaminated clothing.

Eye Contact	Call a physician immediately.
Swallowed	After eye contact: rinse out with plenty of water. Im lenses.
Most important symptoms and effects, both acute and delayed	After swallowing: make victim drink water (two gla Call a physician immediately. Do not attempt to neut
Indication of any immediate medical attention and special treatment needed	The most important known symptoms and effects ar in section 11 No Data Available

5. Fire-fighting Measures

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Suitable extinguishing media	Carbon dioxide (CO2) Dry powder
Special hazards arising from the substance or mixture	Potassium oxides Mixture with combustible ingredien Development of hazardous combustion gases or vapours p
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 breathe adequate ventilation. Evacuate the danger area, obser 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. Ob 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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Precautions for safe handling	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places wh 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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Personal protective equipment	Use equipment for eye protection tested and approve NIOSH (US) or EN 166(EU). Tightly fitting safety go
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 ap and dry hands. The selected protective gloves have 2016/425 and the standard EN 374 derived from it. protective clothing
Body Protection	required when vapours/aerosols are generated. Our re are based on the following standards: DIN EN 143
Respiratory protection	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 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

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Reactivity	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 and 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 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

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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 and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects	No Data Availble

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)	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

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Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the legislation Seveso III: Directive 2012/18/EU of
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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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