

1. Product and Company Identification

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Product Name RXSOL-18-1801-025
Product Type Anti Skid Powder

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Name CAS number
Alumina 1344-28-1

3. Hazards Identification

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Physical State	Solid. [Powder.]
Odor	Odorless.
OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. Avoid exposure - obtain special instructions before use. Contains material that can cause target organ damage.
Eyes	No known significant effects or critical hazards.
Skin	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Potential chronic health effects	
CARCINOGENIC EFFECTS	Not available.
MUTAGENIC EFFECTS	Not available.
TERATOGENIC EFFECTS	Not available.
Medical conditions aggravated by overexposure	Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

4. First Aid Measures

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Eye contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get

Protection of first-aiders	medical attention immediately No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
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5. Fire-fighting Measures www.rxmarine.com

Flammability of the product	Non-flammable.
Products of combustion	Decomposition products may include the following materials: metal oxide/oxides
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Not suitable	None known.
Special exposure hazards	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. No specific fire or explosion hazard.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

6. Accidental Release Measures www.rxmarine.com

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate protective equipment (see section 8).
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, water bodies, and sewers. Inform the relevant authorities if the product has caused or is suspected to have caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material in a designated, labeled waste container. Dispose of via a licensed contractor. Note: see section 1 for emergency contact information and disposal instructions.

7. Handling and Storage www.rxmarine.com

Handling	Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored or processed. Workers should wash hands and face before eating, drinking or smoking. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use this material presents a respiratory hazard, use only with adequate ventilation. Use only with appropriate respirator. Keep in the original container or an approved alternative from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse.
Storage	Store in accordance with local regulations. Store in original container or approved alternative in direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls and personal protection www.rxmarine.com

Product name
alumina

Exposure limits
ACGIH TLV (United States, 1/2007).
TWA: 10 mg/m³ 8 hour(s).
OSHA PEL (United States, 11/2006).
TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction
OSHA PEL 1989 (United States, 3/1989).
TWA: 10 mg/m³ 8 hour(s). Form: Dust
NIOSH REL (United States, 12/2001). Notes: as Al
TWA: 5 mg/m³, (as Al) 10 hour(s).

Engineering measures

If user operations generate dust, fumes, gas, vapor or mist, use process exhaust ventilation or other engineering controls to keep worker exposure to contaminants below any recommended or statutory limits.

Eyes

Safety eyewear complying with an approved standard should be used if a risk assessment indicates this is necessary to avoid exposure to liquid splashes or dusts.

Skin

Personal protective equipment for the body should be selected based on the hazards of the product and the risks involved and should be approved by a competent person for handling this product.

Respiratory

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection based on known or anticipated exposure levels, the hazards of the product and the working limits of the selected respirator.

Hands

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, eating, smoking and using the lavatory and at the end of the work shift. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and showers are close to the workstation location.

9. Physical and chemical properties

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Physical state	Solid. [Powder.]	
Color	White.	
Odor	Odorless.	
Relative density	3.92 g/cm ³	32.71 pounds/gallon
Solubility	Insoluble in the following materials: cold water and hot water.	

10. Stability and reactivity

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Stability and reactivity	The product is stable.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

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Chronic effects on humans	Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eye, lens or cornea.
Other toxic effects on humans	No specific information is available in our database regarding the other toxic effects of this material to humans
Specific effects	
Carcinogenic effects	No known significant effects or critical hazards.
Mutagenic effects	No known significant effects or critical hazards.
Reproduction toxicity	No known significant effects or critical hazards.
Chronic effects	Contains material that can cause target organ damage.
Target organs	Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eye, lens or cornea.

12. Ecological information

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Environmental precautions	No known significant effects or critical hazards.
Products of degradation	Some metallic oxides

13. Disposal considerations

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Waste disposal	The generation of waste should be avoided or minimized wherever possible. Containers or liners may retain some product residues. This material and residues must be disposed of in a safe way. Dispose of surplus and non-recyclable material to a licensed waste disposal contractor. Disposal of this product, solutions and products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Prevent dispersal of spilled material and runoff and contact with soil, water, drains, sewers.
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14. Transport information

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Regulatory information	UN number
DOT Classification	Not regulated.
TDG Classification	Not regulated.
ADR/RID Class	Not regulated.
IMDG Class	Not regulated.
IATA-DGR Class	Not regulated.

15. Regulatory information

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Clean Air Act (CAA) 112 accidental release prevention:	N/A
Clean Air Act (CAA) 112 regulated flammable substances:	N/A
Clean Air Act (CAA) 112 regulated toxic substances:	N/A

16. Other information

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To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any

material is the sole responsibility of the user.

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