

1. Product and Company Identification

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Product Name : Solar Bright Detergent
Part Number : RXSOL-37-3701-025

Company Details:

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

Stock Point : Mumbai, Nairobi, Fujairah, Muscat, Gandhidham, Kolkata, Chennai, Vizag, Canada

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2. Composition / Information on ingredients

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Name of Substance	Cas Number
Sodium Hydroxide	1310-73-2
Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-whydroxy	160875-66-1
Alcohol Ethoxylate	68551-12-2
Proprietary Mixture of Ionic Surfactant	-----

3. Hazards Identification

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Signal Word	Danger
Hazard Statements	May be corrosive to metals. Causes severe skin burns and eye damage.
Precautionary statements - prevention	Keep only in original container. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection..
Precautionary statements - response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Storage: Store locked up. Store in corrosive resistant stainless steel container with a resistant inner liner. Disposal: Dispose of contents/ container to an approved waste disposal plant.

4. First Aid Measures

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Eye Contact	Rinse immediately with plenty of water, also under the eyelids, if present and easy to do. Continue rinsing. Get medical attention if necessary.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove clothing before reuse. Thoroughly clean shoes before reuse.
Inhalation:	If inhaled, If inhaled, remove to fresh air. If not breathing, if difficult, give oxygen. Call a physician.
Ingestion:	If swallowed, do not induce vomiting. Allow victim to drink water. Never give anything by mouth to an unconscious person.
Notes to Physicians	Treat symptomatically.

5. Fire-fighting Measures www.rxmarine.com

Flammability	Non Flammable.
Flash Point	Not Determine
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment	Use personal protective equipment.
Hazardous combustion products	Decomposition products may include the following materials: Carbon oxides, Nitrogen oxides (NOx) ,Sulfur oxides,Oxides of phosphorus.
Advice for firefighters	Wear self-contained breathing apparatus. Wear full protective equipment.
Specific extinguishing methods	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

6. Accidental Release Measures www.rxmarine.com

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Keep people away from spill. Avoid ingestion and contact with skin and eyes. When working with this product in confined spaces, limit they must use appropriate certified respirators. Use only if necessary. Refer to protective measures listed in sections 7 and 8.
Environmental Precaution	Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	Stop leak if safe to do so. Contain spillage, and then clean up spill (e.g. sand, earth, diatomaceous earth, vermiculite) and dispose of in accordance with local / national regulations (see section 13). Flush away with plenty of water. Contain material or otherwise contain material to ensure runoff to sewer.

7. Handling and Storage www.rxmarine.com

Advice on safe handling	Do not ingest. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation. Wash hands after use.
Storage	Do not store near acids. Keep out of reach of children. Store at room temperature : 10 °C to 50 °C
Advice on general occupational hygiene	Wash hands after use. Do not to eat, drink and smoke while using this product. Remove protective equipment before entering eating areas.

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

Engineering Control

Personal Protection

Exposure Limits:

Hygiene measures

Effective exhaust ventilation system. Maintain air con standards.

Eye protection : Wear eye protection/ face protection.

Hand protection : Wear the following personal protective should be discarded and replaced if there is any breakthrough. **Skin protection :**Personal protective gloves, safety goggles and protective clothing **Respirator** concentrations above the exposure limit they must use appropriate

Ingredients	CAS No
Sodium Hydroxide	1310-73-2

Handle in accordance with good industrial hygiene contaminated clothing before re-use. Wash face, hands handling. Provide suitable facilities for quick drenching contact or splash hazard.



Gloves Suit

9. Physical and chemical properties

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Form	Emulsion Liquid
Colour	Opaque, yellow
Odour	Slight
Boiling point and boiling range	100°C
Flash Point	Not applicable, Does not sustain combustion.
Freezing Point	No Data Available
pH	13.0 - 14.0, 100 %
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Explosive properties	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Relative density	1.207 - 1.275
Water solubility	Soluble
Solubility in other solvents	No data available
Partition coefficient: octanol	No data available
Autoignition temperature	No data available
Thermal decomposition	No data available
Viscosity, kinematic	2,018.131 mm ² /s (40 °C)
Explosive properties	No data available

Oxidizing properties	No data available
Molecular weight	No data available
VOC	No data available

10. Stability and reactivity

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Recativity	None
Stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Incompatible materials	Acids Metals Organic materials
Hazardous Decomposition	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NO _x) Sulfur oxides Oxides of phosphorus
Condition to Avoid	None Known
Polymerization	Will not occur.

11. Toxicological information

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Route of Exposure	Inhalation, Eye contact, Skin contact Potential Health Effects
Eyes	Causes serious eye damage.
Skin	Causes severe skin burns.
Ingestion	Causes digestive tract burns
Inhalation	May cause nose, throat, and lung irritation.
Chronic Exposure	Health injuries are not known or expected under normal use.
Acute oral toxicity	Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Skin corrosion/irritation	Causes severe burns
Serious eye damage/ irritation	Irreversible effects on the eye
Respiratory / skin sensitization	No data available
Carcinogenicity	No data available
Reproductive effects	No data available
Germ cell mutagenicity	No data available
Teratogenicity	No data available
STOT-single exposure	No data available
Aspiration toxicity	No data available
Acute dermal toxicity	Alcohol ethoxylate LD50 Rabbit: > 2,000 mg/kg

12. Ecological information

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Environmental Effects	Harmful to aquatic life
Toxicity to fish	No data available
Toxicity to daphnia and others	No data available
Toxicity to algae	No data available
Toxicity to fish	Alcohol Ethoxylate 96 h LC50 Fish: 1.5 mg/l

Toxicity to daphnia and other aquatic invertebrates	Sodium Hydroxide 48 h EC50: 40 mg/l poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy 48 h EC50 Daphnia: 10 mg/l
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Mobility in soil	No data available

13. Disposal considerations

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Remarks

Please consider the relevant national or regional regulations that can be handled separately by the local or national authorities.

Waste Disposal

The product should not be allowed to enter drains, sewers or waterways. Recycling is preferred to disposal or incineration. If recycling is not possible, dispose of wastes in an approved waste management facility in accordance with local regulations. Dispose of wastes in an approved waste management facility.

14. Transport information

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The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN Number	1824
Proper shipping name	Sodium hydroxide solution
Class	8
Packing Group	II
Environmentally hazardous	No

International Maritime Dangerous Goods Code (IMDG) : Not Regulated

UN Number	1824
Proper shipping name	Sodium hydroxide solution
Class	8
Packing Group	II
Environmentally hazardous	No
Marine Pollutant	No

15. Regulatory information

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SARA 304 Extremely Hazardous Substances Reportable Quantity
SARA 311/312 Hazards
SARA 302
SARA 313

This material does not contain any components with Acute Health Hazard
No chemicals in this material are subject to the reporting requirements of SARA 302
This material does not contain any chemical components above the reporting threshold (De Minimis) reporting levels established by SARA 313

HMIS

Health Hazard	: 3
Fire Hazard	: 0
Reactivity	: 0
Personal Protection	: H

Fire :	
Health Hazard	: 3
Fire Hazard	: 0
Reactivity	: 0
Specific Hazard	: 0

16. Other information

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Other Information

The information above is believed to be accurate and available to us. However, we make no warranty of accuracy, implied, with respect to such information, and we advise you should make their own investigations to determine suitability for particular purposes. In no event shall we be liable for any damages, for lost profits or any special, indirect, incidental, or consequential damages arising, even if **Rx Marine International** has been advised in writing.

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