Material Safety Data Sheet

General Purpose Degreaser (RXSOL-10-1701-025)

1. Product and Company Identifaction

Product Name	:	RXSOL-10-1701
Product Type	:	General Purpose Cleaner

Company Details:

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

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

Phone	:	+91 22 65113333 / 5555 / 9999 / 27611360
Fax	:	+91 22 2781 1318 :::AOH :0091 9821214367
Email	:	mail@rxmarine.com
Website	:	www.rxmarine.com

2. Composition / informationon ingredients

Principle Hazardous Component(s) (chemical and common name(s))	(Cas. No)	%	OSHA PELmg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHAregulated
2-Butoxyethanol (111-76-2)	7.0		25 ppm-skin	25 ppm-skin	No	No	No
Sodium Metasilicate (6834-92-0)	7.0		15	10	No	No	No

3. Hazards Identification

Emergency overview

Appearance: Clear liquid

Immediate effects: DANGER. Corrosive. May cause irritation of skin and respiratory tract. May be absorbed through skin.

Target Organ Effects: Lungs and upper respiratory tract, eyes, skin, liver, kidney

Potential health effects

Primary Routes of entry: Eye contact, skin contact/absorption, inhalation
Signs and Symptoms of Overexposure: Dermal exposure may cause local redness and swelling, pain and discomfort. Prolonged skin contact may result in absorption of harmful amounts.
Eyes: Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

Skin: Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling.

Ingestion: May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea and general weakness.

Inhalation: High concentrations of vapor or mists may cause irritation of the respiratory tract.

Chronic Exposure: 2-Butoxyethanol has caused red blood cell hemolysis in lab animals and secondary injury to the liver and kidney.

Chemical Listed As Carcinogen Or Potential Carcinogen: This material is not listed as a carcinogen by IARC, NTP or OSHA.

See Toxicological Information (Section11)

Potential environmental effects

See Ecological Information (Section 12)

4. First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Seek medical attention immediately. Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.

Note to physician

Treatment	ND
Medical Conditions generally Aggravated by Exposure	ND

5. Fire-fighting Measures

Flash Point	No flash by standard methods.
Flammable Limits	ND
Auto-ignition point	ND
Fire Extinguishing Media	Use appropriate methods for combating surrounding fire.
Special Fire Fighting Procedures	Wear a self contained breathing apparatus with a full face piece operated in the positive pressure demand mode. Chemical resistant PPE is recommended.
Unusual Fire and Explosion Hazards	ND
Hazardous combustion products	ND
DOT Class	Corrosive Liquid, Basic, Inorganic, n.o.s.

6. Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled	Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Prevent runoff from entering drains, sewers or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.
Waste Disposal Methods	Dispose of waste according to Federal, State and Local Regulations.

7. Handling and Storage

Precautions to be Taken in Handling and Storage	Follow all MSDS/label precautions even after container is emptied because they may contain product residues. Use with adequate ventilation. Do not get in eyes, on skin or clothing. Store in a cool dry place. Keep container closed when not in use. Keep out of reach of children.
Storage temperature	ND
Storage Pressure	ND

8. Exposure controls and personal protection

Engineering Controls

Ventilation required: Good general ventilation required.

Personal Protection Equipment

Respiratory protection: When respiratory protection is required, use an organic vapor & partculate cartridge. All respiratory programs must meet OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements.

Protective gloves: Wear impervious gloves made of nitrile, neoprene or rubber.
Skin protection: Protective clothing and boots.
Eye protection: Wear safety glasses or goggles.
Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

9. Physical and chemical properties

Appearance and Physical State	:	Clear liquid
Odor (threshold)	:	Butyl odor
Specific Gravity (H2O=1)	:	1.07
Vapor Pressure (mm Hg)	:	NE
Vapor Density (air=1)	:	NE
Percent Volatile by volume	:	ND
Evaporation Rate (butyl acetate=1	:	NE
Boiling Point	:	>212 °F
Freezing point / melting point	:	ND
pH	:	9-10
Solubility in Water	:	Complete
Molecular Weight	:	ND
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10. Stability and reactivity

Stability	:	Stable
Conditions to Avoid	:	High temperature
Materials to Avoid (Incompatibility)	:	Strong acids, alkalis, oxidizing agents.
Hazardous Decomposition Products	:	None
Hazardous Polymerization	:	Will not occur

11. Toxicological information

Results of component toxicity test performed: 2-Butoxyethanol: (Skin, Rabbit): 24 hr uncovered-minimal erythema in 2/5; no irritation 3/5.

Human experience: ND

This product does not contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

12. Ecological information

Ecological Information: 2-Butoxyethanol: (Toxicity, Fathead Minnow) 96h: LC50 = 1700 mg/l.

Chemical Fate Information: ND

13. Disposal considerations

RCRA 40 CFR 261 Classification	D002. Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

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14. Transport information

US DOT Information	:	Proper shipping name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Contains Sodium Metasilicate)
Hazard Class	:		8
Packaging group	:		II
UN Number	:		UN3266
Limitations	:		ND
IATA	:	Proper shipping name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Contains Sodium Metasilicate)
Hazard Class	:		8
Packing group	:		II
UN Number	:		UN3266
Limitations	:		ND
Domestic shipments only	:		
IMO	:	Proper shipping name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Contains Sodium Metasilicate)
Class	:		8
UN Number	:		UN3266
Packing group	:		II
Marine Pollutant	:		ND
Canadian TDG	:		Corrosive Liquid, Basic, Inorganic, n.o.s. (Contains Sodium Metasilicate)
IMDG Page	:		ND
Limitations	:		ND

15. Regulatory information

United States Federal Regulations

MSDS complies with OSHA’s Hazard Communication Rule 29, CFR 1910.1200.

SARA	:	Yes	
SARA Title III	:	2-Butoxyethanol (111-76-2) Section 313	
	:	Acute	Yes
	:	Fire	No
	:	Pressure	No
	:	Reactive	No
	:	RCRA	D002
	:	TSCA	The intentional ingredients of product are listed.
	:	CERCLA	None
State Regulations	:	California Proposition 65	None listed
International Regulations	:	Canada WHMIS	Components in this product are listed on the CPR inventory.
Europe EINECS Numbers	:		2-Butoxyethanol (111-76-2) EINECS#:203-905-0.
Sodium Metasilicate (6834-92-0) EINECS	:		229-912-9.

16. Other information

Label Information	:	ND
European Risk and Safety Phrases	:	ND
European symbols needed	:	ND
Canadian WHMIS Symbols	:	ND

HMIS® Hazard Rating	:	Health	2
	:	Flammability	0
	:	Reactivity	0
	:	Personal Protection	B (0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)
Abbreviations used in this document	:	NE= Not established NA= Not applicable NIF= No Information Found ND= No Data	

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