

# Material Safety Data Sheet

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



## 1. Product and Company Identification

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

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Email : [mail@rxmarine.com](mailto:mail@rxmarine.com)  
Website : [www.rxmarine.com](http://www.rxmarine.com)

## 2. Composition / information on ingredients

| Principle Hazardous Component(s)<br>(chemical and common name(s)) | (Cas. No) | % | OSHA PELmg/m3 | ACGIH TLV mg/m3 | NTP | IARC | OSHA regulated |
|-------------------------------------------------------------------|-----------|---|---------------|-----------------|-----|------|----------------|
| 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 (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

## 4. First Aid Measures

If accidental overexposure is suspected

|                   |                                                                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye(s)<br>Contact | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.                                                                                                      |
| Skin<br>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<br>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<br>Hazards | ND                                                                                                                                                     |
| Hazardous combustion<br>products      | ND                                                                                                                                                     |
| DOT Class                             | Corrosive Liquid, Basic, Inorganic, n.o.s.                                                                                                             |

## 6. Accidental Release Measures

|                                                                 |                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Steps to be Taken in<br>Case Material is<br>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<br>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 & particulate 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 (H <sub>2</sub> O=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           |
| -----                                 | : -----        |

## 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.

## 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)

NE= Not established

NA= Not applicable

Abbreviations used in this document :

NIF= No Information Found

ND= No Data

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