# Material Safety Data Sheet

**Heavy Duty Cleaner** (RXSOL-16-1032-210)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | Heavy Duty Cleaner |
| Product Type | RXSOL-16-1032-210 |

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA
Stock Point : Mumbai, Gandhidham, Kolkata, Chennai, Fujairah, Muscat, Canada

| | |
|---|---|
| Phone | +91 22 65113333/ 5555 / 9999 / 27611360 / 27815540 |
| Fax | +91 22 2781 1318 :::AOH :0091 9322594669 |
| Email | mail@rxmarine.com |

## 2. Composition / informationon ingredients

| Ingredient | CAS Number | Percent Range |
|---|---|---|
| Water | 7732?18?5 | ? 86% |
| Ethoxylated Alcohol | 68439?46?3 | ? 5% |
| Didecyl Dimethyl Ammonium Chloride | 7173?51?5 | ? 5% |
| Sodium Citrate | 6132?04?3 | ? 1% |
| Soda Ash | 497?19?8 | ? 1% |
| Ethanol | 64?17?5 | ? 1% |
| Colorant | Proprietary | ? 1% |

## 3. Hazards Identification

Emergency Overview:
CAUTION. Irritant. This is a turquoise colored liquid with a detergent odor

NFPA/HMIS Rating:
Health = 1 = slight
Fire, Reactivity, and Special = 0 = minimal

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| Eye Contact: | Mildly irritating. |
| Ingestion: | May cause stomach or intestinal irritation if swallowed. |
| Inhalation: | No adverse effects expected under typical use conditions. Adequate ventilation should be present for prolonged usage in small enclosed areas. |

## 4. First Aid Measures

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| If Inhaled | If adverse effect occurs, move to fresh air. Get medical attention if irritation persists. |

| | |
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| If on skin | If adverse effect occurs, rinse skin with water. If irritation persists seek medical attention. |
| If in eyes | Flush with plenty of water. After 5 minutes of flushing, remove contact lenses, if present. Continueflushing for at least 10 more minutes. If irritation persists seek medical attention. |
| If ingested | Drink plenty of water to dilute. |

## 5. Fire-fighting Measures

This formula is stable, non?flammable, and will not burn. No special procedures necessary:

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| Flammability | Non?flammable |
| Flash Point | Non?flammable |
| Suitable Extinguishing Media | Use Dry chemical, CO2, water spray or “alcohol” foam.Extinguishing Media to Avoid High volume jet water. |
| Special Exposure Hazard | In event of fire created carbon oxides. |
| Special Protective Equipment | Wear positive pressure self?contained breathing apparatus; Wear full protective clothing. |

## 6. Accidental Release Measures

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| Personal Precautions | See section 8 – personal protection. |
| Environmental Precautions: | Do not allow into open waterways and ground water systems. |
| Method for Clean Up | Dilute with water and rinse into sanitary sewer system or soak up with inert absorbent material. |

## 7. Handling and Storage

Handling:
Keep container tightly closed. Ensure adequate ventilation. Keep out of reach of children.

Storage:
Keep in cool dry area.

## 8. Exposure controls and personal protection

| Exposure Limit Values: | OSHA PEL | ACGIH TLV |
|---|---|---|
| No reportable ingredients | - | - |

Exposure Controls:

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| Eye Contact | Use protective glasses if splashing or spray?back is likely. |
| Respiratory | Use in well ventilated areas |
| Skin Contact | Prolonged exposure or dermal sensitive individuals should use protective gloves. |

## 9. Physical and chemical properties

Information on basic physical and chemical properties:

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| Appearance: | Appearance: |
| Odor: | Detergent |
| pH: | 8.0 – 10.0 |
| Boiling Point: | ~210oF (98 oC) |
| Freezing Point: | ~ 32oF (0 oC) |
| Vapor Pressure: | TBD |
| odor Density: | 8.54 lb/gal; 1.024 g/L |
| Water Solubility: | 100% |
| VOC composite Partial Pressure: | TBD |
| VOC: CARB Method 310 | 0.5% |

## 10. Stability and reactivity

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| Stability | Stable |
| Materials to Avoid | Do not mix with strong oxidizers (Hydrogen Peroxide, “bleach”, Sodium ypochlorite), acids, strong alkalines, disinfectants, antibacterials, antimicrobials bathroom cleaners or any type of stain remover. |
| Hazardous Decomposition Products | Normal products of combustion ? CO, CO2. |

## 11. Toxicological information

Acute Toxicity:
Oral LD50 (rat) > 5 g/kg body weight

Dermal LD50 (rabbit) > 5 g/kg body weight
Toxicity calculated from ingredients using OECD SERIES ON TESTING AND ASSESSMENT Number 33

Carcinogens:
No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.

## 12. Ecological information

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|---|---|
| Hazard to wild mammals | :Low, based on toxicology profile |
| Hazard to avian species | :Low, based on toxicology profile |
| Hazard to aquatic organisms | :Low, based on toxicology profile |
| Chemical Fate Information | :Biodegradable based on biodegradation profile of ingredients |

## 13. Disposal considerations

Appropriate Method for Disposal:

Unused Product:
Dilute with water to use concentration and dispose by sanitary sewer.

Used Product:
This product can enter into clarifiers and oil/water separators. Used product may be hazardous depending on the cleaning application and resulting contaminants.

Empty Containers:
Triple?rinse with water and offer for recycling if available in your area. Otherwise, dispose as non ?hazardous waste.

Dispose of used or unused product, and empty containers in accordance with the local, State, Provincial, and Federal regulations for your location. Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

## 14. Transport information

| | |
|---|---|
| U.S. Department of Transportation (DOT) / Canadian TDG | : Not Regulated |
| IMO / IDMG | : Not classified as Dangerous |
| ICAO/ IATA | : Not classified as Dangerous |
| ADR/RID | : Not classified as Dangerous |
| U.N. Number Not Required Proper Shipping Name | : Detergent Solution |
| Marine Pollutant | : No |
| Hazard Class | : Non?Hazardous |

## 15. Regulatory information

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| All components are listed | :EINECS, TSCA, DSL and AICS Inventory. |
| No components listed under | :Clean Air Act Section 112; Clean Water Act 307 & 311 |
| SARA Title III 311/312 | :Didecyl Dimethyl ammonium chloride & Ethanol |
| RCRA Status | :Not a hazardous waste |
| CERCLA Status | :No components listed |

State Right To Know Lists:

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| Didecyl Dimethyl ammonium chloride | :New Jersey |
| Ethanol Pennsylvania, | :Massachusetts |

WHMIS Classification – Category D, subcategory 2B, eye irritant:

| Name | Toxic Substances List – Schedule 1 – CEPA(Canadian Environmental Protection Act) | NPRI Inventory |
|---|---|---|
| none | No | No |

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by Canada’s Controlled Products Regulation.

## 16. Other information

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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