

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

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

1. Product and Company Identification

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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
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2. Composition / Information on ingredients

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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

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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

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.
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. Continue flushing for at least 10 more minutes. If irritation persists seek medical attention.
If ingested	Drink plenty of water to dilute.

5. Fire-fighting Measures

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

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

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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

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

Exposure Controls:

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

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Information on basic physical and chemical properties:

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

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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

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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

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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:

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

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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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