Material Safety Data Sheet

TRUCK Mounted Cleaner Descaler (RXSOL-41-4148-010)

1. Product and Company Identifaction

Product Name	Truck Mount Descaler
Product Type	RXSOL-41-4148-010

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

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

2. Composition / informationon ingredients

Hazardous Ingredient	CAS	OSHA PEL	OSHA HAZARD
Sulfamic Acid	5329-14-6	N/E	Acute
Citric Acid	77-92-9		

Proprietory blend of Inhibitor with Chelating agnet.

3. Hazards Identification

Emergency Overview
Appearance: White Powder Odor: N/A Flashpoint: N/A
Hazard: Corrosive. May be fatal if swallowed; harmful if inhaled; causes severe irritation and burns to every area of contact.
Eye Contact: Corrosive; can cause blurred vision, redness, pain, severe tissue burns and eye damage.
Skin Contact: Corrosive; symptoms of redness, pain and severe burn can occur.
Inhalation: Extremely destructive to tissues of the mucous membranes and upper respiratory tract.
Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. May cause pulmonary edema, a medical emergency; pulmonary edema may be delayed up to 48 hours.
Ingestion: Corrosive; swallowing can cause severe burns of the mouth, throat, and stomach, leading to death; can cause sore throat, vomiting, diarrhea.
HMIS Hazard Rating: Health 3 Flammability 0 Reactivity 0

4. First Aid Measures

Eye Contact: Immediately irrigate with flowing water continuously for 15 minutes. Get medical assistance immediately.
Skin Contact: Wash with soap and water. If irritation persists consult medical personnel.
Inhalation: Move to fresh air. Get medical assistance immediately.
Ingestion: If swallowed, DO NOT induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical assistance immediately.

5. Fire-fighting Measures

Flashpoint: N/A Upper Flammable Limit (% by volume): N/A
Autoignition Temperature: N/D Lower Flammable Limit (% by volume): N/A
General Hazard: Corrosive.
Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.
Hazardous Decomposition Products: During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to carbon dioxide and carbon monoxide.

6. Accidental Release Measures

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

7. Handling and Storage

Store out of reach of children; keep container tightly closed; store in a cool well-ventilated place away from strong oxidizing or alkaline products and ignition sources. Cloths used to apply or absorb product should be rinsed with water and stored in a fire-resistant container. Avoid contact with skin and eyes. Use in a well-ventilated area; do not breathe vapors. Wash hands thoroughly after handling.

8. Exposure controls and personal protection

Engineering Controls: Normal room ventilation is satisfactory for limited use; keep away from heat and flame.
Eye Protection: Safety glasses
Skin Protection: Use gloves impervious to this material when prolonged or frequently repeated contact could occur.
Respiratory: No respiratory protection should be needed.
Exposure guidelines: N/E

9. Physical and chemical properties

Appearance: Crystal Powder

Solubility: 100%

Density: 1.665

Flash Point: None

Odor: Strong acid & pungent

Stability: Stable

pH: 1

Rinsing: Complete

10. Stability and reactivity

Chemical stability: Stable
Incompatibility with other substances: Strong oxidizers, nitric acid, and chlorine. Solutions are strong acids and react violently with bases.
Reactivity: N/D
Hazardous Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, and other unidentified thermal decomposition products from this product or its packaging.

11. Toxicological information

Oral rat LD50: 3160 mg/kg; Irritation Data; skin human, standard Draize: 4%/5D-I mild. Skin rabbit, standard Draize, 500 mg/24H severe. Eye rabbit, standard Draize: 250 ug/24H Severe.
Not considered a carcinogen by NTP, OSHA or IARC

12. Ecological information

Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

13. Disposal considerations

Dispose of in accordance with federal, state and local regulations. Prevent run-off to sewers.

14. Transport information

Shipping paper description: NONE-EXEMPT
Labeling: NONE-EXEMPT
Markings: CONSUMER COMMODITY, ORM-D

Placard: NONE-EXEMPT
Packaging: Inner package not over 5.0 kg (11 pounds) each, in strong outer packaging. UN specification packaging not required.
Note: "Consumer Commodity - ORM-D" exemption applies only to ground shipments. Additional compliance steps are required for air shipments; ship in accordance with 49 CFR parts 100 - 185.

15. Regulatory information

TSCA: All chemicals used in this product are listed
CERCLA: No
SARA Title III: Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the immediate health hazard category.

16. Other information

This document is prepared in accordance with 29 CFR 1910.1200. The purpose of this section is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees.
All information appearing herein is based upon data obtained from the raw material manufacturer and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control; therefore the users are responsible to verify this data under their own particular
conditions, applications and regulations to determine if the product is suitable for their particular purposes. The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.

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Product Type	RXSOL-41-8924-025

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HMIS Hazard Rating: Health 3 Flammability 0 Reactivity 0

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8. Exposure controls and personal protection

Engineering Controls: Normal room ventilation is satisfactory for limited use; keep away from heat and flame.
Eye Protection: Safety glasses
Skin Protection: Use gloves impervious to this material when prolonged or frequently repeated contact could occur.
Respiratory: No respiratory protection should be needed.
Exposure guidelines: N/E

9. Physical and chemical properties

Appearance/Physical State:	White powder
Vapor Pressure:	N/D
Boiling Point:	Decomposes
Density:	2.1
Solubility in Water:	Soluble
Odor:	Odorless
Vapor Density:	3.3
Freezing Point:	N/D
pH:	1.18 (1% solution @25C (77°F))

10. Stability and reactivity

Chemical stability: Stable
Incompatibility with other substances: Strong oxidizers, nitric acid, and chlorine. Solutions are strong acids and react violently with bases.

Reactivity: N/D
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CERCLA: No
SARA Title III: Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the immediate health hazard category.
The chemicals used in this product may be subject to the provisions of the Community Right-to Know Act (40 CFR 370 - 374). If reporting requirements are met, please contact the Environmental, Health and Safety (EHS) Manager for information regarding this product.

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