

1. Product and Company Identification

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Product Name Multi surface Graffiti Cleaner
Product Type **RXSOL-13-1010-025**

Company Details:

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

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Fax +91 22 2781 1318 ::::AOH :0091 9322594669
Email mail@rxmarine.com

2. Composition / Information on ingredients

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Ingrident	CAS Number	Weight Percentage
Quartz	14808-60-7	40 - 50%
Dodecylbenzene sulfonic acid	27176-87-0	10 - 20%
Alcohol ethoxylates	68439-46-3	05-10 %

3. Hazards Identification

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Principal routes of exposure: Eye contact. Skin contact. Inhalation.

Eye contact : Moderately irritating to the eyes.

Skin contact : Moderately irritating to the skin.

Inhalation : None known.

Ingestion : May cause irritation to mouth, throat and stomach .

4. First Aid Measures

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Eye Contact: In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

5. Fire-fighting Measures

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Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards: None known.

Unusual hazards: None known.

Specific methods: No special methods required

6. Accidental Release Measures

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Personal precautions: Not relevant for the product itself.

Environmental precautions Clean-up methods : large spillage. Sweep up and shovel into suitable containers for disposal.

Use and clean-up methods: water rinse for final clean-up.

7. Handling and Storage

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Handling: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage: Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

8. Exposure controls and personal protection

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Engineering measures to reduce exposure: No special ventilation requirements General room ventilation is adequate

Personal Protective Equipment

Eye protection:

No special requirements under normal use conditions.

Hand protection:

No special requirements under normal use conditions

Skin and body protection:

No special requirements under normal use conditions.

Respiratory protection:

No special requirements under normal use conditions.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety

9. Physical and chemical properties

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Physical State	: Creme
Bulk density	: No information available
Appearance	: Viscous liquid
Specific gravity	: 1.25
Color	: Opaque Off-White
Odor	: Fresh
Boiling point/range	: Not determined
Melting point/range	: Not determined
Evaporation Rate	: No information available
Vapor density	: No information available
Flash point	: > 200 °F > 93.4 °C
pH	: 2.0
Solubility	:Soluble / Dispersible
Solubility in other sol.	: No information available
Viscosity	:No information available

10. Stability and reactivity

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Stability: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

Polymerization: Hazardous polymerization does not occur

Hazardous decomposition products: None reasonably foreseeable.

Materials to avoid: Strong oxidising agents.

Conditions to avoid: Do not freeze.

11. Toxicological information

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Acute toxicity: Oral LD50 estimated to be greater than 5000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg.

Component Information: See Section 3

Chronic toxicity: None known

Specific effects

Carcinogenic effects: None known

Mutagenic effects: None known

Reproductive toxicity: None known

Target organ effects: None known

12. Ecological information

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Environmental Information: No data available

13. Disposal considerations

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This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

14. Transport information

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DOT/TDG/IMDG: Please refer to the shipping information.

DOT Bill of Lading Description: Cleaning, washing, buffing, or polishing compounds Liquid

IMDG Bill of Lading Description: Cleaning, washing, buffing, or polishing compounds Liquid

15. Regulatory information

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Federal Regulations

Canadian: All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

California : This product is not subject to the reporting requirements under California's Proposition 65

CAA HAP/CAA ODS/CWA Priority Pollutants: None

SARA 311/312 Hazard Categories

Immediate: x

Delayed: -

Fire: -

Reactivity: -

Sudden Release of Pressure: -

16. Other information

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The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.

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Product Name ALL SOLV GRAFFITI REMOVER
Product Type **RXSOL-41-8731-025**

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Ingredient	CAS #	Wt. %
Acetone	67-64-1	30 - 60
Toluene	108-88-3	10 - 30
Isobutane	75-28-5	5 - 10
Glycol Ether EB	111-76-2	5 - 10
Methyl ethyl ketone	78-93-3	6 - 10
Propane	74-98-6	3 - 7

3. Hazards Identification

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EMERGENCY OVERVIEW HMIS: See Section 15

DANGER EXTREMELY FLAMMABLE. HARMFUL BY INHALATION.MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation: Harmful by inhalation. May cause respiratory tract irritation. May cause asphyxiation.This product may be aspirated into the lungs and

cause chemical pneumonitis.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin. Vapours may cause drowsiness and dizziness.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

4. First Aid Measures

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Eye Contact: In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

5. Fire-fighting Measures

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Flammability: Flammable by WHMIS/OSHA criteria.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire.

Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

6. Accidental Release Measures

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Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container.

Allow gas to dissipate harmlessly into the atmosphere.

Other Information: Not available.

7. Handling and Storage

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Handling:

Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using, do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Keep container in a well-ventilated place. Do not store at temperatures above 49°C / 120°F.

8. Exposure controls and personal protection

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Exposure Guidelines

Exposure Limits

Ingredient OSHA-PEL ACGIH-TLV

Acetone 1000 ppm 500 ppm

Toluene 200 ppm 50 ppm

Isobutane Not available. Not available.

Ethylene glycol monobutyl ether 50 ppm 20 ppm

Methyl ethyl ketone 200 ppm 200 ppm

Propane 1000 ppm 1000 ppm

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Wear eye/face protection.

Hand Protection: Personal Protective Equipment: HMIS: See Section 15

Eye/Face Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

9. Physical and chemical properties

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Appearance:	Clear.
Color:	Colorless.
Odour:	Aromatic.
Odour Threshold:	Not available.
Physical State:	Gas/Pressurized Liquid.
pH:	Not applicable.
Viscosity:	Not applicable.
Freezing Point:	Not applicable.
Boiling Point:	Not applicable.
Flash Point: Not available.	Not applicable.
Evaporation Rate: Not available.	Not applicable.
Lower Flammability Limit:	Not applicable.
Upper Flammability Limit:	Not applicable.
Vapor Pressure:	Not applicable.
Vapor Density:	Not applicable.
Specific Gravity:	0.810 (Concentrate only)
Solubility in Water:	Partial.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %: Not available.	Not applicable.
VOC content, wt. %:)	49.0% (US federal/CARB/OTC/LADCO

10. Stability and reactivity

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Stability: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers. Acids.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

11. Toxicological information

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EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient LD50 (oral) LC50

Acetone 5800 mg/kg, rat Not available.

Toluene 636 mg/kg, rat 8000 mg/m³, rat

Isobutane Not available. Not available.

Ethylene glycol monobutyl ether 470 mg/kg, rat 450 ppm 4 hrs, rat

Methyl ethyl ketone 2737 mg/kg, rat 23500 mg/m³ 8hrs, rat

Propane Not available. Not available.

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Handling can cause dry skin.

Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation: Harmful by inhalation. May cause respiratory tract irritation. May cause asphyxiation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapours may cause drowsiness and dizziness.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: (Effects due to excessive exposure to the raw materials of this mixture) May cause cardiac abnormalities, kidney and/or lung damage. Lab animals have experienced anemia, kidney, liver, lung and blood damage due to Ethylene glycol monobutyl ether.

Carcinogenicity: Not hazardous by WHMIS/OSHA criteria.

Ingredient Chemical Listed as Carcinogen or

Potential Carcinogen *

Acetone Not listed.

Toluene Not listed.

Isobutane Not listed.

Ethylene glycol monobutyl ether Not listed.

Methyl ethyl ketone Not listed.

Propane Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS/OSHA criteria.

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria.

Developmental Effects:

Teratogenicity: Hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Hazardous by WHMIS/OSHA criteria.

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria.

Toxicologically Synergistic Materials: Not available.

12. Ecological information

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Ecotoxicity: May cause long-term adverse effects in the aquatic environment

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

13. Disposal considerations

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Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

14. Transport information

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DOT Classification

ORM-D

15. Regulatory information

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III

Ingredient Section 302

(EHS) TPQ

(lbs.)

Section 304

EHS RQ (lbs.)

CERCLA

RQ (lbs.)

Section

313

Acetone Not listed. Not listed. 5,000 Not listed.

Toluene Not listed. Not listed. 1,000 313

Isobutane Not listed. Not listed. Not listed. Not listed.

Ethylene glycol monobutyl ether Not listed. Not listed. Not listed. Yes.

Methyl ethyl ketone Not listed. Not listed. 5,000 313

Propane Not listed. Not listed. Not listed. Not listed.

State Regulations

California Proposition 65:

This product contains a chemical known to the state of California to cause cancer. This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

Global Inventories

Ingredient Canada

DSL/NDSL

USA

TSCA

Acetone DSL Yes.

Toluene DSL Yes.

Isobutane DSL Yes.

Ethylene glycol monobutyl ether DSL Yes.

Methyl ethyl ketone DSL Yes.

Propane DSL Yes.

HMIS - Hazardous Materials Identification System

Health - 2 Flammability - 3 Physical Hazard - 0 PPE B

NFPA - National Fire Protection Association:

Health - 2 Fire - 3 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):

Class A - Compressed Gas

Class B5 - Flammable Aerosol

Class D2A - Teratogenicity and Embryotoxicity

Class D2B - Skin/Eye Irritant

WHMIS Hazard Symbols:

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient

evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

16. Other information

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None.

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N/A = Not applicable N/D = Not determined N/E = Not established