Material Safety Data Sheet

Rust Stain Remover SAFE JELLY (RXSOL-18-1012-025)

1. Product and Company Identifaction

Porduct Name	Rust Stain Remover SAFE JELLY
Part Number	RXSOL-18-1012-025

Company Details:....

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

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2. Composition / informationon ingredients

Hazardous Component(s)	Cas No	Percentage
Phosphoric acid	7664-38-2	10 - 30
2-Propanol	67-63-0	1 - 5
Xanthan gum	11138-66-2	1 - 5
Sulfuric acid	7664-93-9	0.1 - 1
Silica, amorphous, fumed, crystal-free	112945-52-5	0.1 - 1
Diiron trioxide	1309-37-1	0.1 - 1
Magnesium oxide	1309-48-4	0.1 - 1
Aluminium oxide	1344-28-1	0.1 - 1
Alcohols, C11-14-iso-, C13 rich, EO~	78330-21-9	0.1 - 1
Proprietory Blend - Non Hazardous	---	---

3. Hazards Identification

EMERGENCY OVERVIEW

DANGER: MAY BE CORROSIVE TO METALS.
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
MAY CAUSE AN ALLERGIC SKIN REACTION.

HAZARD CLASS	HAZARD CATEGORY
CORROSIVE TO METALS	1
SKIN CORROSION	1A
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1

Precautionary Statements

Prevention Keep only in original container. Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.

Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Immediately call a poison control center or physician. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.
Storage	Store locked up. Store in corrosive resistant container with a resistant inner liner
Disposal	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

2 % of the mixture consists of ingredient(s) of unknown acute toxicity.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

4. First Aid Measures

Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention
Skin contact	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
Symptoms	See Section 11.

5. Fire-fighting Measures

Extinguishing media	Foam, dry chemical or carbon dioxide
Special firefighting procedures	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.
Unusual fire or explosion hazards	Not flammable, however Hydrogen gas may be liberated if product contacts powdered metals or metals above 185°F.
Hazardous combustion products	Hydrogen.

6. Accidental Release Measures

Environmental precautions	Do not allow product to enter sewer or waterways
Clean-up methods	Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during cleanup. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal. Flush with water. Neutralize acid using lime or a lime based agent compatible with the product. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

7. Handling and Storage

Handling	Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.
Storage	Keep from freezing. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

8. Exposure controls and personal protection

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Phosphoric acid	3 mg/m3 STEL 1 mg/m3 TWA	1 mg/m3 PEL	None	None

2-Propanol	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m3) PEL	None	None
Xanthan gum	None	None	None	None
Sulfuric acid	0.2 mg/m3 TWA Thoracic fraction	1 mg/m3 PEL	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction	20 MPPCF TWA 0.8 mg/m3 TWA	None	None
Diiron trioxide	5 mg/m3 TWA Respirable fraction.	10 mg/m3 PEL Fume.	None	None
Magnesium oxide	10 mg/m3 TWA Inhalable fraction.	15 mg/m3 PEL Total particulate.	None	None
Aluminium oxide	1 mg/m3 TWA Respirable fraction.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Alcohols, C11-14-iso-, C13 rich, EO~	None	None	None	None

Engineering controls	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
Respiratory protection	Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
Eye/face protection	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.
Skin protection	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. Physical and chemical properties

Physical state	Gel
Colour	Characteristic
Odor	Lime
Odor Threshold	Not available
pH	1.5 - 2.5
Vapor pressure	Not available
Boiling point/range	212 °F (100°C) None Approximately
Melting point/ range	Not applicable
Specific gravity	1.191
Vapor density	Not available
Flash point	Not determinable
Flammable/Explosive limits - lower	Not applicable
Flammable/Explosive limits - upper	Not applicable
Autoignition temperature	Not applicable
Evaporation rate	Not applicable
Solubility in water	Soluble
Partition coefficient (n-octanol/water)	Not applicable
VOC content	2.4 %; 28.6 g/l (calculated)
Viscosity	Not available
Decomposition temperature	Not available

10. Stability and reactivity

Stability	Stable under normal conditions of storage and use.
Hazardous reactions	Will not occur.

Hazardous decomposition products	Hydrogen, by reaction with metals
Incompatible materials	Caustics. Powdered metals
Reactivity	Not available.
Conditions to avoid	Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

11. Toxicological information

Relevant routes of exposure	Skin, Inhalation, Eyes, Ingestion
Inhalation	Causes respiratory tract irritation. Respiratory tract burns
Skin contact	Causes skin irritation. Causes skin burns. May cause allergic skin reaction
Eye contact	Causes serious eye damage. Causes eye irritation. May cause eye burns.
Ingestion	Harmful if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Phosphoric acid	Oral LD50 (RAT) = 1,530 mg/kg Dermal LD50 (RABBIT) = 2,740 mg/kg	Irritant, Corrosive
2-Propanol	Oral LD50 (RAT) = 5,045 mg/kg Oral LD50 (RABBIT) = 6,410 mg/kg Oral LD50 (RAT) = 4.7 g/kg Oral LD50 (RABBIT) = 8.0 g/kg Oral LD50 (RABBIT) = 5.03 g/kg Dermal LD50 (RABBIT) = 12,800 mg/kg	Allergen, Blood, Brain, Central nervous system, Irritant, Kidney, Liver, Spleen
Xanthan gum	None	Irritant
Sulfuric acid	Inhalation LC50 (RAT, 1 h) = 347 mg/l	Carcinogen, Corrosive, Irritant, Lung
Silica, amorphous, fumed, crystal-free	None	Nuisance dust
Diiron trioxide	None	Allergen, Cardiac, Central nervous system, Irritant, Kidney, Liver, Lung
Magnesium oxide	None	Blood, Central nervous system, Immune system, Irritant
Aluminium oxide	None	Irritant, Nuisance dust, Corrosive
Alcohols, C11-14-iso-, C13 rich, EO~	None	Central nervous system, Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Phosphoric acid	No	No	No
2-Propanol	No	No	No
Xanthan gum	No	No	No
Sulfuric acid	Known To Be Human Carcinogen	Group 1	No
Silica, amorphous, fumed, crystal-free	No	No	No
Diiron trioxide	No	No	No
Magnesium oxide	No	No	No
Aluminium oxide	No	No	No
Alcohols, C11-14-iso-, C13 rich, EO~	No	No	No

12. Ecological information

Ecological information	Not available

13. Disposal considerations

Recommended method of disposal	Follow all local, state, federal and provincial regulations for disposal.
Hazardous waste number	Not a RCRA hazardous waste.

14. Transport information

UN number	ADR/RID:1805	IMDG:1805	IATA: 1805
UN proper shipping name	ADR/RID:Phosphoric acid solution	IMDG:Phosphoric acid solution	IATA:Phosphoric acid solution
Transport hazard class(es)	ADR/RID: 8	IMDG: 8	IATA: 8
Packaging group	ADR/RID: III	IMDG: III	IATA: III

15. Regulatory information

TSCA 8 (b) Inventory Status	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory
TSCA 12 (b) Export Notification	None above reporting de minimis
CERCLA/SARA Section 302 EHS	Sulfuric acid (CAS# 7664-93-9)
CERCLA/SARA Section 311/312	Immediate Health, Delayed Health
CERCLA/SARA Section 313	None above reporting de minimis
CERCLA Reportable quantity	Phosphoric acid (CAS# 7664-38-2) 5,000 lbs. (2,270 kg) 2-Propanol (CAS# 67-63-0) 100 lbs. (45.4 kg)
California Proposition 65	This product contains a chemical known in the State of California to cause cancer.
CEPA DSL/NDSL Status	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. Other information

Other Information	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 weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages. DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.