Material Safety Data Sheet

Paint Remover (RXSOL-18-1013-025)

1. Product and Company Identifaction

Product Name	Paint Remover
Product Type	RXSOL-18-1013-025

Company Details:

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

Stock Point : Mumbai, Kolkata, Chennai, Gandhidham, Visakhapatnam, Fujairah, Muscat

Phone	+91 22 27815541 / 42
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2. Composition / informationon ingredients

Ingredient	CAS No	Percent
Dichloromethane	75-09-2	30 - 60
Naphtha (petroleum), hydrotreated heavy	64742-48-9	15 - 40
methanol	67-56-1	1 - 5
Paraffin waxes (petroleum), hydrotreated	64742-51-4	0.5 - 1.5

3. Hazards Identification

Signal Word..... DANGER.

Hazard Classification..... Flammable Liquid 3. Acute Toxicity 3. Skin Irritant 2. Eye Irritant 2A. Single Target Organ Toxicity - Single Exposure 3. Carcinogen 1B. Reproductive 1B. STOT SE 1.

Hazard Description..... H226 Flammable liquid and vapour. H301 Toxic if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H350 This product contains ingredients that may cause cancer. H360 May damage fertility or the unborn child. H370 Swallowing this product may cause blindness. Prevention..... P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear protective gloves and eye protection. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke while using this product. P271 Use only outdoors or in a well ventilated area. P260 Do not breathe mist, vapours, or spray.

Response ..... P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P301 + P312 If swallowed call a poison control centre. P330 Rinse mouth. P302 + P352 - If on skin: wash with plenty of water. . P321 - For specific treatment see section 4 on this SDS. P332 + P313 - If skin irritation occurs get medical attention or advice. P362 + P364 - Take off contaminated clothing and wash before reuse. P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing until medical help arrives. P337 + P313 - If eye irritation persists get medical attention. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P308 + P311 If exposed or concerned; call a poison center or doctor.

Storage..... P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

Note ..... Causes serious damage of the airways.

4. First Aid Measures

Eye contact.	In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention.
Skin contact	Remove all contaminated clothing and immediately wash the exposed areas with copious amounts of water for a minimum of 30 minutes or up to 60 minutes for critical body areas. If irritation persists, seek medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Ingestion	Do not induce vomiting. If ingestion is suspected, contact physician or poison control center immediately. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person.
Additional information	Treat victims symptomatically.

5. Fire-fighting Measures

Hazardous combustion products..... Oxides of carbon (CO, CO2). Phosgene. Hydrogen chloride.

Special fire fighting procedures..... Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Keep run-off water from entering sewers and other waterways. Dike for water control.

6. Accidental Release Measures

Leak/spill..... Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Evacuate all non-essential personnel. Absorb with earth, sand, or another dry inert material. Shovel into suitable unsealed containers, transport to well-ventilated area (outside) and treat with neutralizing solution: mixture of water (80%) with non-ionic surfactant Tergitol TMN-10 (20%); or water (90%), concentrated ammonia (3-8%) and detergent (2%). Prevent runoff into drains, sewers, and other waterways. Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, provincial, state, and federal regulations.

7. Handling and Storage

Handling procedures	Keep away from heat, sparks, and open flame. Avoid breathing vapours or mist. Avoid skin and eye contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Handle and open container with care. Employees should wash hands and face before eating or drinking.
Storage needs.	Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from oxidizing and reducing materials. Store away from sunlight.

8. Exposure controls and personal protection

	ACGIH TLV		OSHA PEL		NIOSH
INGREDIENTS	TWA	STEL	PEL	STEL	REL
Dichloromethane	50 ppm	Not established	25 ppm	Not established	Not established
Methanol	200 ppm	250 ppm skin	200 ppm	Not established	200 ppm / STEL 250 ppm

Protective equipment

Eye/type..... Liquid chemical goggles.

Respiratory/type..... Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.

Gloves/ type..... Chemical resistant gloves.

Clothing/type..... Wear adequate protective clothes.

Footwear/type..... Safety boots per local regulations.

Other/type..... Emergency showers and eye wash stations should be available.

Appropriate engineering controls..... Local exhaust at points of emission.

9. Physical and chemical properties

Physical state..... Liquid.

Colour..... Cloudy. Pale yellow.

Odour..... Strong odour.

Odour threshold (ppm)..... 200 ppm. (Dichloromethane).

Vapour pressure (mm Hg)..... Not available.

Vapour density (air=1)..... 4.90.

pH..... Not applicable.

Relative Density (Specific Gravity)..... 9.858 lbs/USG.

Melting / Freezing point (deg C)..... Not Available.

Solubility..... Partially in water.

Initial boiling point / boiling range (deg C)..... 38.9c. (Dichloromethane).

Evaporation rate..... > 1.0.

Flash point (deg C), method..... Not to Boiling (Closed cup).

Auto ignition temperature (deg C)..... Not available.

Upper flammable limit (% vol)..... Not available.

Lower flammable limit (% vol)..... Not available.

Coefficient of water\oil distribution..... Not available.

% Volatile by weight..... 88.3.

VOC..... 650.3 g/l.

Viscosity..... 3880 Brookfield # 4 spindle @ 20 rpm.

10. Stability and reactivity

Chemical stability..... Stable at normal temperatures and pressures.

Reactivity ..... Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.

Conditions to avoid..... Keep away from heat. Incompatible with strong oxidizers. Active metals. Strong bases. May attack plastics, rubber and coatings.

Hazardous decomposition products..... Hydrogen chloride. Phosgene. Oxides of carbon (CO,CO2).

Possibility of hazardous reactions..... Hazardous polymerization will not occur.

11. Toxicological information

INGREDIENTS	LC50	LD50
Dichloromethane	52,000 mg/m3 rat 2 hr	1,600 mg/kg rat oral

Methanol	128.2 mg/L, 4h rat	5,628 mg/kg rat oral 15,800 mg/kg rabbit dermal

Route of entry ..... Eye contact. Skin contact. Inhalation.

Effects of acute exposure..... Methylene chloride is metabolically converted to carbon monoxide after systemic absorption, which yields increased concentrations of carboxyhemoglobin in the blood. Harmful If swallowed. Causes eye, skin, and respiratory tract irritation. May be harmful if inhaled. May cause central nervous system effects. Potential cancer hazard. May cause kidney damage. This substance has caused adverse reproductive and fetal effects in animals. Irritating to eyes, skin and respiratory system. May be absorbed by the skin. Effects of chronic exposure..... Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal . Prolonged or repeated exposure can produce target organ damage. Repeated exposure by inhalation or absorption of methanol may cause systemic poisoning, brain disorders, impaired vision and blindness. Inhalation may worsen conditions such as emphysema or bronchitis. Repeated skin contact may cause dermal irritation, dryness and cracking. Effects of sub lethal doses may be nausea, headache, abdominal pain, vomiting and visual disturbances ranging from blurred vision to light sensitivity. Methanol is toxic by inhalation and ingestion. Inhalation of vapors may cause cyanosis, cns effects, lethargy, loss of consciousness and death. The effects from inhalation may be delayed. Ingestion

Effects of chronic exposure..... may cause malaise, cns effects, discomfort, and death if not treated promptly. Ingestion of methanol has resulted in adverse effects (necrosis and haemorrhaging) in the brain. Medical conditions aggravated by exposure include: skin disorders and allergies, liver disorders and eye disease. Undocumented reports suggest that this product may form a siloxane polymer on the eyes, lungs, or other mucous membranes. Long term exposure to methanol has been associated with headaches, giddiness, conjunctivitis, insomnia and impaired vision. Dermal absorption of significant amounts of methanol resulted in death in several animal species. Toxic effects in animals exposed to methanol by inhalation include eye irritation, blindness and nasal discharge. Toxic effects observed in animals exposed to methanol by ingestion include cns effects, gastrointestinal effects, anesthetic effects, damage to the optic nerve and acidosis.

Carcinogenicity of material..... Methylene chloride (Dichloromethane) is listed as a class 2B carcinogen and is listed on Prop 65 as causing cancer. ACGIH A3.

Reproductive effects..... Methanol is teratogenic and embryotoxic in animals.

12. Ecological information

Environmental..... Do not allow to enter waters, waste water or soil.

Persistence and degradability..... Not available.

13. Disposal considerations

Waste disposal..... This material and its container must be disposed of as hazardous waste. Avoid release to the environment.

14. Transport information

TDG Classification..... UN2810; TOXIC LIQUID, ORGANIC, NOS (Dichloromethane, Methanol); Class 6.1; PG III - Limited quantity 5 Litres.

DOT Classification (Road)..... UN2810; TOXIC LIQUID, ORGANIC, NOS (Dichloromethane, Methanol); Class 6.1; PG III.

IATA Classification (Air)..... UN2810; TOXIC LIQUID, ORGANIC, NOS (Dichloromethane, Methanol) - Class 6.1 Packing Group III - follow packaging instruction 670 for passenger and 677 for cargo aircraft.

IMDG Classification (Marine)..... UN2810 - TOXIC LIQUID, ORGANIC, NOS (Dichloromethane, Methanol) - Class 6.1 - Packing Group III - F-A, S-A.

Marine Pollutant..... Potential marine pollutant.

Proof of Classification..... In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .

15. Regulatory information

WHMIS 1988 classification..... B3. D1B. D2A. D2B.

CEPA status..... On Domestic Substances List (DSL).

TSCA inventory status..... All components are listed.

OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.

SARA Title III

Section 302 - extremely hazardous ..... Propylene oxide. substances

Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.

Section 313..... Methylene Chloride (Dichloromethane). Methanol. Ammonia compounds. Propylene oxide.

EPA hazardous air pollutants (HAPS) ..... Methylene Chloride (Dichloromethane). Methanol. Propylene oxide.

40CFR63 California Proposition 65..... *WARNING: This product contains a chemical known to the State of California to cause cancer. (Dichloromethane). (Propylene oxide). *WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (Methanol).

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.

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