Material Safety Data Sheet

Bitumen Remover Cleaner (RXSOL-20-1004-210)

1. Product and Company Identifaction

Product Name	RXSOL-20-1004-025
Product Type	Bitumen Remover Cleaner

Company Details :

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

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

Phone	+91 22 65113333 / 5555 / 9999 / 27611360
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
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2. Composition / informationon ingredients

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	Applicable PEL-OSHA	Exposure Limits TLVACGIH	Carcinogen Ref. Source **
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	Yes	25	25	d
MONOCHLOROTOLUENE (MIXED ISOMERS)	25168-05-2	No	N/E	N/E	d
ORTHO ISOMER	95-49-8	No	N/E	50	d
PARA ISOMER	106-43-4	No	N/E	N/E	d
SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC	64742-94-5	No	N/E	N/E	d

3. Hazards Identification

PRIMARY ROUTES OF ENTRY:	[ ] INHALATION [ ] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NOT HAZARDOUS
ACUTE EFFECTS	Systemic: CNS depression producing headache, dizziness, numbness, loss of consciousness.
Inhalation:	Irritation of upper respiratory tract. Exposure to high concentrations may cause systemic toxicity. Aspiration into lungs can cause chemical pneumonitis
Eye Contact:	Irritation.
Skin Contact:	Dermal irritation & dermatitis attributable to defatting of skin.
Ingestion:	Irritation of gastrointestinal tract. See also systemic effects above
CHRONIC EFFECTS:	Chronic exposure to high concentrations may cause some liver or kidney disfunction
Medical Conditions Generally Aggravated by Exposure:	Liver or kidney disease. May aggravate pre-existing irritation.

4. First Aid Measures

Eye Contact:	Flush with water for 15 minutes. Get medical attention.
Skin Contact:	Flush skin with water then wash with soap and water. If irritation occurs, get medical attention.
Inhalation:	Remove to fresh air. If not breathing, administer artificial respiration. Get medical attention.
Ingestion	DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration.

5. Fire-fighting Measures

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)	N/A
Auto Ignition Temperature	N/Auto Ignition TemperatureE N/D
Flammability Limits in Air by % in Volume:	
% LEL:	N/D
% UEL:	N/D
FLASH POINT AND METHOD USED (non-aerosols):	141ºF (TCC)
SPECIAL FIRE FIGHTING PROCEDURES:	Burning product may give off nox - ious & toxic fumes. Firefighters should wear NIOSH approved self -contained breathing apparatus.
EXTINGUISHER MEDIA:	Water fog, foam, dry chemical or CO2. Burning product may float on water.
Unusual Fire & Explosion Hazards:	Burning product may float on surface of water and spread fire to other areas.

6. Accidental Release Measures

PERSONAL PRECAUTIONS	Avoid contact with skin and eyes. Provide eyewash bottle with clean water. For personal protection, see section 8.
ENVIRONMENTAL PRECAUTIONS	Do not allow to enter drains, sewers or watercourses. If substance has entered a water course or sewer or contaminated soil or vegetation, advise the appropriate authorities.
SPILL CLEAN UP METHODS	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Contact waste disposal services.

7. Handling and Storage

Steps To Be Taken If Material Is Spilled Or Released:	Do not allow large spills to contaminate sewers, ground or surface waters. Contain spill & soak up in inert absorbent material. Place in leak-proof containers for proper disposal.
Waste Disposal Methods:	Dispose of in accordance with all local, state and federal regulations
Precautions To Be Taken In Handling & Storage:	Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat and cold

Other Precautions &/or Special Hazards:	KEEP OUT OF REACH OF CHILDREN. Read & follow label directions. Do not cut, weld or drill on drums whether full, part full or empty.

8. Exposure controls and personal protection

Respiratory Protection (specify type):	None required under normal conditions of handling and use.
Protective Gloves:	Solvent resistant
Eye Protection:	Chemical goggles.
Ventilation Requirements:	Special ventilation not normally needed. If required to maintain concentrations below specified levels use explosion proof ventilation.
Other Protective Clothing & Equipment:	Solvent resistant, as needed. Eyewash station and safety shower
Hygienic Work Practices:	Do not eat, drink or smoke in work area. Wash hands after handling.

9. Physical and chemical properties

Physical Properties	Clear Liquid
Odour	Hydrocarbon
Boiling Point:	180°C
Specific Gravity (H2O=1):	0.85-0.91
Vapor Pressure:	902 hPa at 20°C
Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):	N/D
Vapor Density (Air = 1):	>1
Evaporation Rate (BUAC = 1):	1
Solubility in Water:	Insoluble
Water Reactive:	No
Appearance and Odor:	Clear amber, non-viscous liquid with aromatic solvent odor.

10. Stability and reactivity

STABILITY	[X] STABLE [ ] UNSTABLE
HAZARDOUS POLYMERIZATION	[ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid):	Strong oxidizing agents.
Conditions to Avoid:	Heat, sparks and open flame
Hazardous Decomposition Products:	Oxides of nitrogen, carbon, hydrogen chloride, unidentified organics.

11. Toxicological information

Acute oral toxicity	Symptoms: Gastrointestinal disturbance, Risk of aspiration upon vomiting., Pulmonary failure possible after aspiration of vomit.
Acute dermal toxic	Acute toxicity estimate : 1,134 mg/kg
Skin corrosion	Drying-out effect resulting in rough and chapped skin. Mixture causes skin irritation.
Toxic Effects on Humans	Acute Potential Health Effects: Skin: Causes skin irritation. Can be absorbed through skin. Eyes: Causes eye irritation. Inhalation: Vapor causes respiratory tract and mucous membrane irritation.
Special Remarks on Chronic Effects on Humans	Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects (male and femael fertility (spontaneous abortion and fetotoxicity) and birth defects based animal data.
Further information After absorption:	Headache, somnolence, Dizziness, euphoria, agitation, spasms, narcosis Effect potentiated by: ethanol Damage to: Kidney, Central nervous system, Liver

12. Ecological information

Toxicity to Fish	No information available.
COD and BOD 5	Not Available
Products of Biodegradation:	No information available.
Mobility in soil	No information available.
Results of PBT and vPvB assessment	Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.
Other adverse effects	Additional ecological information Discharge into the environment must be avoided.

13. Disposal considerations

Waste treatment Method	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself

14. Transport information

DOT/ADR

UN Number	1993
Proper shipping name	Combustible liquid, n.o.s. (Distillates, Hydrotreated Heavy Naphthenic, Heavy Aromatic)
Hazard Class	Combustible liq
Packing group	III

IATA

UN Number	1993
Proper shipping name	Combustible liquid, n.o.s. (Distillates, Hydrotreated Heavy Naphthenic, Heavy Aromatic)
Hazard Class	Combustible liq
Packing group	III

IMDG/IMO

UN Number	1993
Proper shipping name	Combustible liquid, n.o.s. (Distillates, Hydrotreated Heavy Naphthenic, Heavy Aromatic)
Hazard Class	8
Packing group	III

Special precautions for user -	Read safety instructions, SDS and emergency procedures before handling.
Transport Annex II of MARPOL 73/78 and the IBC Code :	Not established.

15. Regulatory information

Fedral and State Regulation	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.
Guidance	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations. Health and environmental listings
Health and environmental listings	Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of Cleaning chemicals (as amended). Water hazard classification .
Chemical safety assessment	No chemical safety assessment has been carried out.

HMIS

Health Hazard	: 3
Fire Hazard	: 3
Reactivity	: 0
Personal Protection	: H

Fire :

Health Hazard	: 3
Fire Hazard	: 3
Reactivity	: 0
Specific Hazard	: ..

16. Other information

Other Information

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