Material Safety Data Sheet

Anti Sludge AS 180 (RXSOL-81-2064-210)

1. Product and Company Identifaction

Part Number	RXSOL-81-2064-210
Product Name	Anti Sludge AS 180

Company Details:

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

STOCK POINT : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat

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2. Composition / informationon ingredients

This product is classified as dangerous in accordance with the Preparations Directive 1999/45/EC.

Name	EC. No.	CAS-No.	Content	Classification
2-ETHYL HEXANOL	203-234-3	104-76-7	5-10%	Xi;R36/38. R52.
Benzene Sulphonic Acid	416-730-1	98-11-3	5-10%	
AgNO3	231-853-9	7761-88-8	1	
FUELS, DIESEL; GASOIL - UNSPECIFIED	269-822-7	68334-30-5	30-60%	R40
ISO-BUTANOL	201-148-0	78-83-1	1-5%	R10 R41 R67
NAPHTHALENE	202-049-5	91-20-3	1	R22 N;R50/53
1,2,3-Trimethylbenzene	208-394-8	526-73-8	1-5%	R36
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMA KEROSINE - UNSPECIFIED	265-198-5	64742-94-5	5-10%	R65
Proprietory Blend	-	-	5-10%	-

The full Text for all R-Pherases are Displayed in Section 16

3. Hazards Identification

Odour	Solvent odour.
Appearance	Liquid, Pale Yellow
Contact with eyes	Risk of serious damage to eyes (R41).
Contact with skin	Causes irritation, Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis .

Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract, In cases of severe exposure, shortness of breath may develop.
Ingestion	Harmful: may cause lung damage if swallowed (R65).

4. First Aid Measures

INHALATION :	Move the exposed to fresh air at once provide rest, warmth and fresh air. perform artificial respiration if breathing has stoped when breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
INGESTION	DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rins mouth thoroughly. Drink plenty of water. Provide rest, warmth and fresh air Get medical attention if any discomfort continues.
SKIN CONTACT	Remove affected person from source of contamination. immediately remove contaminated clothing. Wash the the skin immediately with soap and water. Get medical attention if irritation persists after washing
EYE CONTACT	Promptly wash eyes with pleanty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get Medical attention if any discotinues.

5. Fire-fighting Measures

EXTINGUISHING MEDIA	Use: Water spray. foam. Dry chemicals carbon dioxide (CO2).
SPECIAL FIRE FIRE FIGHTING PROCEDURES	Cool Containers exposed to flames with water until well after the fire is out.
SPECIFIC HAZARDS	By fire, toxic gases may be formed (COx, NOx)
PROTECTIVE MEASURES IN FIRE	Full Protective equipment including suitable respiratory protection

6. Accidental Release Measures

PERSONAL PRECAUTIONS	Wear Suitable Protective clothing to Prevent skin contact. Use respiratory protection in confined areas.
SPILL CLEAN UP METHODS	Wear necessary protective equipment. Avoid contact with skin or inhalation of spillage, dust or vapour. stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer. Inform Authorities if large amounts are involved. Flush with plenty of water to clean spillage area. Do not let Washing down water contaminate ponds or waterways.

7. Handling and Storage

Usage Precautions	Avoid spilling skin and eye contact. ventilate well avoid breathing vapours. use approved respirator if air contamination is above accepted level.
STORAGE PRECAUTION	Store in tightly closed original container in a dry, cool and well - ventilated place . keep containers tightly closed. Avoid contact with oxidising agents.

8. Exposure controls and personal protection

INGREDIENT COMMENTS	WEL=Workplace Exposure Limits
ENGINEERING MEASURES	Provide adequata ventilation Observe Workplace Exposure limits and minimise the risk of inhalation of vapours.
RESPIRATORY EQUIPMENT	If ventilation is insuffcient, suitable respiratory protection must be provided.
HAND PROTECTION	Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.
EYE PROTECTION	Use approved safety goggles or face shield.
OTHER PROTECTION	Wear appropriate clothing to prevent any possibility of skin contact.
HYGINENE MEASURES	Wash at the end of each work shift and before eating, smoking and using the toilet. wash promptly if skin become wet or contaminated. promptly remove any clothing that becomme contaminated. use appropriate skin crem to prevent drying of skin.

9. Physical and chemical properties

APPEARANCE	Liquid
COLOUR	Pale yellow to Brown
RELATIVE DENSITY	0.9-0.95 @ 25.C
VISCOSITY	?15 at 30C
FLASH PONIT (.C)	9°C (>48.2°F)
Pour Point	-28
pH	3-8

10. Stability and reactivity

Chemical Stability:Stable under normal conditions of use and storage.
Incompatibility:Strong oxidizing agents such as Nitrates,
Perchlorates or SulfuricAcid, heat, sparks, open flame. Will attack some forms of plastics, rubber and coatings.
Hazardous Decomposition Products:
May form Carbon monoxide and Carbon dioxide when heated to decomposition.
Hazardous Polymerization:Will not occur.

11. Toxicological information

LD50, Oral , Rat: (636 mg/kg, details of toxic effects not reported other than lethal dose value.
Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure

Potential immediate	Not available. effects
Potential delayed effects	Not available. Potential chronic health effects
General	No known significant effects or critical hazards
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Numerical measures of toxicity Acute toxicity estimates	
Route	ATE value

Oral	976.6 mg/kg
Dermal	3245.9 mg/kg
Inhalation (gases)	410289.5 ppm
Inhalation (vapors)	26.06 mg/l

12. Ecological information

Efficient data are available to evaluate the short and long term effects of Aromatic Hydrocarbon to aquatic life plants, birds, or land animals. Chemical Fate Information: Aromatic Hydrocarbon Solvent is non -persistent in water with a half-life of less than 2 days. This material is not expected to significantly bioaccumulate.When released into the soil or into water, this material is expected to quickly evaporate.

13. Disposal considerations

Absorb with suitable inert material (vermiculite, dry sand, earth) and place in a chemical waste container for proper disposal in an approved waste disposal facility for incineration in a chemical incinerator equipped with scrubber and afterburner. Do not flush to sewer.
Ventilate area of spill. Have extinguishing agent available in case of fire. Eliminate all sources of ignition. Use non-sparking tools and equipment. Always dispose of in accordance with local, state and federal regulations

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

D.O.T. Shipping Name: Aromatic Hydrocarbon MixtureFlammable Liquid Mixture

ROAD TRANSPORT (ADR)		
	ADR class	3
RAIL TRANSPORT (RID)		
	RID class no.	3
SEA TRANSPORT (IMDG)		
	IMDG class	3
AIR TRANSPORT (IATA/ICAO)		
	IATA/ICAO class	3

U.S. DOT 49 CFR 172.101:
PROPER SHIPPING NAME: Flammable Liquid Mixture ID NUMBER: UN1993
HAZARD CLASS OR DIVISION: 3
PACKING GROUP: II

TRANSPORTATION OF DANGEROUS GOODS: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage of flammable liquid.

LAND TRANSPORT ADR/RID:
PROPER SHIPPING NAME: Flammable Liquid Mixture UN NUMBER: UN1993
ADR/RID CLASS: 3
CLASSIFICATION CODE: C6
PACKING GROUP: II

AIR TRANSPORT IATA/ICAO:
PROPER SHIPPING NAME: Flammable Liquid Mixture IATA/ICAO CLASS: 8
PACKING GROUP: II

MARITIME TRANSPORT IMDG:
PROPER SHIPPING NAME: Flammable Liquid Mixture UN NUMBER: UN1993
IMDG CLASS: 3 PACKING GROUP: II

15. Regulatory information

OSHA Status:These items meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.
TSCA Status:All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.
Sara Title III:

Section 302 Extremely Hazardous Substances:Not Applicable
Section 311/312 Hazardous Catagories:Acute, Fire:Yes; Pressure, Reactivity: No
Section 313 Toxic Chemicals:Not Applicable
WHMIS: B-2: Flammable and Combustible Material. Flammable Liquid. D-2B: Poisonous and Infectious Material.
Materials causing other toxic effects

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 productis not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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