Material Safety Data Sheet

Klin Kot water based release product (RXSOL-16-1690-025)

1. Product and Company Identifaction

Product Name	RXSOL-16-1690-025
Product Type	Klin Kot

Company Details:

RX MARINE INTERNATIONAL
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VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999
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2. Composition / informationon ingredients

Principal Ingredient:

Component	**OSHA PEL**		**ACGIH TLV**		**NIOSH REL**		**NIOSH Carcinogen**	
---------	**TWA**	**STEL**	**TWA**	**STEL**	**TWA**	**STEL**	**IDLH**	**---------**
Mineral Oil Blend Concentrate	5 mg/m3 (oil mist)	None Established	5 mg/m3 (oil mist)	10 mg/m3 (oil mist)	None Established	None Established	None Established	None Established

The above information is for KLEEN KOTE Concentrate.
The product is not formulated to be used in a concentrated form. At the strongest recommended mix ratio of 8 parts water to 1 part KLEEN KOTE the mix is 87.5% water.

3. Hazards Identification

HMIS

HEALTH 1

FLAMMABILITY 0

PHYSICAL HAZARD 0

****** EMERGENCY OVERVIEW ******
This product is not expected to cause a severe emergency hazard.

HMIS

HEALTH 1

FLAMMABILITY 1

PHYSICAL HAZARD 0

Potential Health Effects: See Section 11 for complete toxicological information.

Inhalation:	Inhalation of vapors or mist may be irritating to respiratory passages. Target organ for mineral oil mist is lungs. Prolonged exposure may result in dizziness and nausea.
Eye:	Eye contact may result in slight irritation and redness.
Skin:	Short term contact with skin is unlikely to cause any problems; excessive or prolonged and repeated contact and poor hygiene conditions may result in dryness, dermatitis, erythema, oil acne, cracking and defatting of the skin.
Ingestion:	May result in nausea or stomach discomfort.

Carcinogenicity:	Based on OSHA 1910.1200 and IARC study requirements, this product does not require labeling. Meets EU requirements of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. NTP and OSHA do not list this product as a potential carcinogen.
Mutagenicty:	This product gives negative mutagenic results from Modified Ames Assay.

4. First Aid Measures

Eye Contact:	Flush with water for at least 15 minutes. If irritation develops or persists, promptly contact a physician.
Skin Contact:	Wash skin thoroughly with mild soap and water. Remove contaminated articles and get medical attention if irritation develops. Launder articles before reuse and discard saturated articles that cannot be cleaned thoroughly.
Inhalation:	Remove exposed person to fresh air if adverse effects are observed. Assist breathing if necessary. Seek medical help.
Aspiration:	If there is suspicion of aspiration into the lungs obtain medical advice.
Ingestion:	Do NOT induce vomiting. If conscious, give two glasses of water. Seek medical attention immediately!
Notes to Physician:	Treat symptomatically.

5. Fire-fighting Measures

Flash Point:	>325 °F (>163 °C)
Flash Point Method:	NA
Burning Rate:	Not Available
Auto Ignition Temperature:	>600 °F (>315 °C)

Lower Explosive Level:	Not Determined
Upper Explosive Level:	Not Determined
Flammability Classification:	OSHA Class III-B Combustible Liquid
Extinguishing Media:	Halon, CO2, Dry Chemical, Foam, Water Spray or Water Fog. Water may be used to cool below flash point.
Unusual Fire or Explosion Hazards:	Do not use forced stream as this could cause fire to spread.
Combustion Products:	Fumes, smoke and carbon monoxide.
Fire Fighting Instructions and Equipment:	Water may cause splattering. Use water to cool containers exposed to fire and to protect personnel. Fire fighters should wear proper protective equipment and clothing including respiratory protection (positive pressure if available).

6. Accidental Release Measures

Personal Protective Equipment must be worn, see Personal Protection Section 8 for PPE recommendations.

Spill / Leak Procedures:	Spill area will be slick. Stop spill at source if possible. Eliminate sources of ignition. Prevent entry into sewers and waterways. Contain spill. Ventilate area if spilled in a confined space or other poorly ventilated areas. Residual liquid can be adsorbed by inert material. Recover all possible material for reclamation. Dispose of in accordance with all Federal, Sate and Local environmental regulations.
Spill to Navigable Waters:	If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center at 800.424.8802.

7. Handling and Storage

General Handling Procedures:	Keep containers closed when not in use. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near containers. Wash thoroughly after handling. Empty containers contain product residue which may exhibit hazards of the product. Maximum handling temperature has not been determined.
Storage Procedures:	Do NOT store near potential sources of ignition. Rotate stock. Store in clean, dry containers at ambient temperatures and it should remain stable unless it is contaminated. Do NOT store at temperatures greater than 120 ?F (49?C). Maximum storage temperature has not been determined. NFPA Class III-B storage.

Work / Hygienic Practices:	Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene or other harsh or abrasive skin cleaners for washing exposed skin areas. Take a shower after use if general contact occurs. Launder articles before reuse and discard saturated articles that cannot be cleaned thoroughly

8. Exposure controls and personal protection

Ventilation Procedures:	Use with adequate ventilation.
Gloves Procedure:	As needed to prevent repeated skin contact. Solvent resistant gloves should be used if needed.
Eye Protection:	Safety Glasses
Respiratory Protection:	Not normally needed. Use NIOSH/MSHA approved respirator with a dust mist cartridge if the recommended exposure limit is exceeded.
Clothing Recommendation:	Long sleeve shirt is recommended. Use chemically protective boots when necessary to avoid contaminating shoes. Do NOT wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

9. Physical and chemical properties

Loading Temperature:	Not Determined
Flash Point:	>325 °F (>163 °C) Cleveland Open Cup (Min.)
Specific Gravity (H2O=1):	@ 600F - 0.90
Boiling Point:	Not Determined
Vapor Pressure:	Not Determined
Percent Volatile:	Nil (LVP-VOC)
Vapor Density (Air=1):	> 5
Odor and Appearance:	Amber liquid with a mild odor.
Molecular Weight:	Not Determined
pH:	Not Determined
Water Solubility:	Dispersible
Freezing Point:	Not Determined
Evaporation Rate:	Not Determined

Viscosity:	100 SUS @ 100°F (19 cSt @ 40°C)
Odor Threshold:	Not Determined
Physical State:	Liquid

10. Stability and reactivity

Stability:	This material is normally stable at moderately elevated temperatures and pressures. Avoid sources of ignition.
Decomposition Temperature:	Not Determined.
Hazardous Polymerization:	Will not occur.
Thermal Decomposition:	Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.
Incompatibility:	Strong acids, Strong alkalis, Oxidizing agents.

11. Toxicological information

Eye Effects:	Minimal irritation possible on contact. Does not meet Canadian D2B or EU R36 criteria. Based on data from components or similar materials.
Skin Effects:	Not expected to be a primary skin irritant. Not expected to meet EU R38 criteria. Based on date from components or similar materials. Prolonged or repeated contact, as from wet clothing, may cause drying, defatting of skin and dermatitis.
Respiration Irritation:	If material is misted of if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.
Dermal Sensitization:	No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization:	No data available to indicate product or components may be a respiratory sensitizer.
Exposure Limits:	Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5mg per cubic meter, ACGIH STEL of 10mg per cubic meter.
Chronic Toxicity:	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Dermal Toxicity:	Rabbit: LD50>2000 mg/kg. Based on data from components or similar materials.
Inhalation Toxicity:	Not expected to be a toxic inhalation hazard. Based on data from components or similar materials.
Oral Toxicity:	Rat: LD 50>5000mg/kg. Based on data from components or similar materials.
Reproductive Toxicity:	No data available to indicate either product or components present at greater than 0.1% may cause reproductive toxicity.
Carcinogenicity:	This material is formulated with mineral oils which are considered to be severely refined and are not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Mutagenicity:	No data available to indicate either product or components present at greater than 0.1% are mutagenic or genotoxic.
Teratogenicity:	No data available to indicate either product or components present at greater than 0.1% may cause birth defects.

12. Ecological information

Freshwater Fish Toxicity:	Not Determined
Biodegradation:	Not Determined
Saltwater Fish Toxicity:	Not Determined
Soil Mobility:	Not Determined
Miscellaneous Toxicity:	Not Determined
Bioaccumulation:	0.1-1% of the components display no potential to bioconcentrate
Algal Inhibition:	Not Determined
Freshwater Invertebrates Toxicity:	96 hr. acute static toxicity for Pimephales promelas (Fathead Minnow) LC50 mortality is greater than 30,000 mg/L
Bacteria Toxicity:	Not Determined
Ecotoxicity:	Available data indicate this product is not acutely toxic.

13. Disposal considerations

Waste Disposal:	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261 if not contaminated. Follow Federal, State and Local regulations. Do not flush to drain or storm sewer. Contact authorized disposal service. Consider recycling.

14. Transport information

U.S. Shipping Information:	**Regulation by: D.O.T.:** Non-Hazardous. Not regulated by DOT. **H.S. Tariff #:** 3403.19.0000 **Schedule B #:** 3403.19.0000 **Shipping Class:** 55 **N.M.F.C.#:** 48580 - Sub 3 - Cleaning, Scouring or Washing Compounds, N.O.I., Liquid
Canadian Shipping Information:	Not regulated under Transportation of Dangerous Goods Act.
Other:	**Not Regulated:** ICAO/IATA, IMDG (ambient), U.S. Dot Bulk (ambient), U.S. Dot Non- Bulk, TDG Bulk (ambient), TDG Non-Bulk, Mexico, ADR/RID (ambient), ADG (ambient) **Not Determined:** IMDG (elevated), IMO Marine Bulk, USCG Compatibility, U.S. Dot Bulk (elevated), TDG Bulk (elevated), ADR/RID (elevated), ADG (elevated) **Not Applicable:** IMDG EMS, IMDG MFAG

15. Regulatory information

U.S. TSCA Inventory:	All components of this material are on the US TSCA Inventory.
SARA Extremely Hazardous Substances:	This product does not contain greater than 1% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313:	This product does not contain greater than 1% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
TDG Regulated Limits:	None Known
CERLA Hazardous Substances:	None Known
V.O.C. Compliant:	Yes
Australia:	All components are in compliance with chemical notification requirements in Australia.
Canada:	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
China:	All components of this product are listed on the Inventory of Existing Chemical Substances in China.
EU EINECS:	All components are in compliance with the EC Seventh amendment Directive 92/32/EEC. No known R-Phrases or S-Phrases.
Japan:	All components are in compliance with the Chemical Substances Control Law of Japan
Korea:	All components are in compliance in Korea.
Philippines:	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
Switzerland:	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
California Proposition 65:	This product is not known to contain any chemicals known the State of California to cause cancer or birth defects. However, we do not conduct routine analysis for all listed materials.
Florida:	None Present.
Illinois DOL TSL:	None Present.
Massachusetts RTK:	None Present.
Minnesota RTK:	None Present.
New Jersey RTK:	List petroleum oil, but this product does not contain hazardous ingredients.
Pennsylvania RTK:	List petroleum oil, but this product does not contain hazardous ingredients greater than 3%.

16. Other information

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