Material Safety Data Sheet

Solvent Naphtha 150 (RXSOL-19-1577-210)

1. Product and Company Identifaction

Product Name	RXSOL-19-1577-210
Product Type	Solvent Naphtha 150

Company Details:

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

Branch : Kandla , Hazira, Mumbai, Chennai, Vizag, Kolkata, UAE, OMAN, CANADA & KENYA

Phone	+91 22 2087 1200 - 1400
Fax	+91 27612100:::AOH :0091 9821214367
Email	mail@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Chemical Name	CAS Number	EC Number	Index number
Solvent naphtha (Petroleum), Type: C9-C10 Aromatic.	64742-94-5	265-198-5	649-424-00-3

3. Hazards Identification

Signal Word	Miner Danger
Hazard Statements	H227 - Combustible liquid H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness H351 - Suspected of causing cancer
Precautionary statements - prevention	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust, fume, gas, mist, spray, vapors. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear eye protection, protective gloves, protective clothing.

Precautionary statements - response	P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER. P302+P352 - If on skin: Wash with plenty of water. P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - If exposed or concerned: Get medical advice/attention. P312 - Call a doctor, a POISON CENTER if you feel unwell. P321 - Specific treatment (see a doctor on this label). P331 - Do NOT induce vomiting. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder, Water spray to extinguish. P391 - Collect spillage. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Storage: Store locked up. Store in a well-ventilated place. Keep cool. Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

4. First Aid Measures

After inhalation	Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER ordoctor/physician if you feel unwell.
After skin contact	Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Gently wash with plenty of soap and water, Get medical advice/attention. Get medical advice/attention. Specific treatment (see Consult a doctor/medical service on this label). Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
After eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Consult an eye specialist. Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
After ingestion	Do NOT induce vomiting. Immediately call a poison center or doctor/physician. Do not induce vomiting. Call a physician immediately.
General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately.

5. Fire-fighting Measures

Suitable extinguishing media	Use dry chemical, CO?, alcohol-resistant foam or water spray (fog).
Unsuitable extinguishing media	Do not use water jet
Protective Equipment	Wear suitable fire fightin suit.
Specific hazards arising from the chemical	Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion
Hazardous thermal decomposition products	Toxic fumes may be released.
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	For non-emergency : personnelNo action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
Enviromental Precaution	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up	Small Spill :: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large Spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers,water courses, basements or confined areas. Wash spillages into an effluent treatmentplant or proceed as follows. Contain and collect spillage with non-combustible,absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and Storage

Advice on safe handling	Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage including any incompatibilities	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use

8. Exposure controls and personal protection

Occupational exposure limits

Ingredient name	Exposure limits
Petroleum Distillates (64742-94-5)	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5) OSHA PEL (TWA) (ppm) 500 ppm

Engineering Controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Personal Protection	Eye protection : Wear chemical safety goggles. When transferring material wear face-shield in addition to chemical safety goggles. If inhalation hazards exist, a full-face respirator may be required instead. Hand protection : Chemical-resistant glove Skin protection : Wear long sleeves and chemical resistant apron to prevent repeated or prolonged skin contact. Respiratory protection : If a risk assessment indicates it is necessary, use a properly fitted, air purifying or supplied air respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

9. Physical and chemical properties

General Information

Form	Fluid
Colour	Clear
Odour	Characteristic
Change in condition	
Melting/ Freezing Point	-20°C
Boiling point/Boiling range	179°C
Flash point	66°C
Ignition temperature	400°C
Relative evaporation rate (butyl acetate=1)	0.1
Flammability (solid, gas)	No data available
Explosion limits	0.8 – 5.9 vol %
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	0.08 kPa (0.6 mm Hg) (at 20°C)
Relative density	0.883 - 0.900 kg/m³
Relative vapor densityat 20 °C	5 – 6
Specific gravity / density	895 kg/m³
Solubility	Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	2.9 – 6.1
Decomposition temperature	No data available

10. Stability and reactivity

Recativity	No specific test data related to reactivity available for this product or its ingredients.

Stability	Stable under normal conditions and recommended use.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials, organic materials, acids and alkalis.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Condition to Avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

Acute toxicity	LD50 oral rat > 5000 mg/kg LD50 dermal rabbit > 3160 mg/kg LC50 Inhalation - Rat > 0.59 mg/l (Exposure time: 4 h)
Irritation/Corrosion	No applicable toxicity data
Sensitization	No applicable toxicity data
Mutagenicity	No applicable toxicity data.
Carcinogenicity	Not determine
Reproductive toxicity	No applicable toxicity data
Teratogenicity	No applicable toxicity data

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Distillates (64742-94-5)	Category 3	Not applicable.	Narcotic effects

Specific target organ toxicity (repeated exposure)	No data Available
Aspiration hazard	Not Applicble
Information on the likely routes of exposure	Routes of entry anticipated: Dermal, Inhalation.
Potential acute health effects	
Eye contact :	Causes serious eye damage.
Inhalation :	Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact :	Causes severe burns. Harmful in contact with skin.
Ingestion :	Can cause central nervous system (CNS) depression.
Potential chronic health effects	Not Known
General :	May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity :	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
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.

Acute toxicity estimates	Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

12. Ecological information

Toxicity	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Eco - Toxicity	LC50 fish 1 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) EC50 Daphnia 1 0.95 mg/l (Exposure time: 48 h - Species: Daphnia magna) LC50 fish 2 2.34 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
Persistence and degradability	May cause long-term adverse effects in the environment.
Bioaccumulative potential	BCF fish 1 61 – 159 Partition coefficient n-octanol/water (Log Pow) 2.9 – 6.1 Bioaccumulative potential Not established.
Mobility in soil	If product enters soil, it will be highly mobile and may contaminate groundwater
Results of PBT and vPvB assessment	Not classified as PBT/vPvB by current EU criteria.

13. Disposal considerations

Remarks	Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.
Waste Disposal	Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. 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

Transport hazard class(es)

	DOT	TDG Classification	IMDG	IATA
UN Number	UN 1268	Not regulated for land tranport	UN 1268	UN 1268
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
Transport hazard class(es)	3 (8)	3 (8)	3 (8)	3 (8)
Packing Group	III - Minor Danger	Not regulated for land tranport	III - Minor Danger	III- Minor Danger
Environmental hazards	NO	NO	NO	NO

Additional information

ADR/RID	Not Regulated
TDG Classification	Not Regulated
IATA	The environmentally hazardous substance mark may appear if required by other transportation regulations.
Special precautions for user	Allways 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.
Environmental hazards	

Environmental hazards	No
Marine pollutant	No

15. Regulatory information

CLASSIFICATION AND LABELLING ACCORDING TO EC DIRECTIVES	HARMFUL/Xn
CLASSIFICATION/SYMBOL: GOVERNING DIRECTIVE:	Miner Dangerous Substances Directive 67/548/EC, as modified.
NATURE OF SPECIAL RISK	R65 Harmful : may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking R67 Vapours may cause drowsiness and dizziness
SAFETY ADVICE	S23 Do not breathe gas/fumes/vapour/spray S24 Avoid contact with skin S33 Take precautionary measures against static discharges S62 If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.
NATIONAL REGULATION	Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)

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 we assume 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.