# Material Safety Data Sheet

**SN-150 RX** (RXSOL-19-1540-210)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | RXSOL-60-6604-001 |
| Product Type | SN-150 RX |
| Revised date | |

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 Barka

| | |
|---|---|
| Phone | +91 22 27815541 / 42 |
| Fax | +91 22 2781 1318 :::AOH :0091 9821214367 |
| Email | mail@rxmarine.com |

| | |
|---|---|
| Product Name | SN-150 RX |
| Identication of the substance: | Mixture for cleaning |
| Chemical family: | Hydrocarbon mixture |
| CAS No: | 64742- 94-5 |
| EINECS No: | 265-198-5 |

| | |
|---|---|
| Product description: | Clear, colorless liquid |
| U.N No.: | 1268 |
| NFPA hazard rating: | 2.3.0 |
| IMO hazard group: | 3 |
| Stationary phase: | Liquid |
| Solubility in water: | Insoluble |

## 2. Composition / informationon ingredients

| | |
|---|---|
| EINECS Number: | 265-198-5 |
| CAS Number: | 64742- 94-5 |
| Components Or Ingredients: | C5 -C10+ ALKYL AROMATICS MIXTURE OF ISOMERS C5 -C10+ ALKYL AROMATICS MIXTURE OF<br>ISOMERS ISOMERSC5 -C10+ ALKYL AROMATICS MIXTURE OF ISOMERS |
| R-phrase: | R37 , R20/21, R36/37/38 |

## 3. Hazards Identification

Physical And Chemical Hazards / Fire And Explosion Hazards

| | |
|---|---|
| Moderate hazard: | Liquids can release vapors that can readily form ammable mixtures upon moderate heating to temperature at or above the ash point ash point Liquids can release vapors that can readily form ammable mixtures upon moderate heating to temperature at or above the ash point |
| Static discharge: | Product can accumulate static charges which can cause an incendiary electrical discharge.Product can accumulate static charges which can cause an incendiary electrical discharge. |

## 4. First Aid Measures

| | |
|---|---|
| Inhalation: | Using proper respiratory protection, immediately remove the aected victim from exposure. Administer articial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention ash point<br>Liquids can release vapors that can readily form ammable mixtures upon moderate heating to temperature at or above the ash point |
| Skin Contact: | Flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, after ushing has begun If irritation persists, get medical attentionFlush with large amounts of water; use soap if available.<br>Remove contaminated clothing, including shoes, after ushing has begun If irritation persists, get medical attention |
| Eye Contact: | Flush eyes with large amounts of water until irritation subside .<br>If irritation persists, get medical attention<br>If irritation persists, get medical attentionFlush eyes with large amounts of water until irritation subside .<br>If irritation persists, get medical attention |
| Ingestion: | If swallowed, DO NOT induce vomiting. Keep at rest. Get |

## 5. Fire-fighting Measures

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|---|---|
| Fire Fighting Procedures: | Use water spray to cool re exposed surfaces and to protect personnel. Shut o "fuel" to re. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect men attempting to stop a leak. Use foam or dry chemical to extinguish fire ash point. Liquids can release vapors that can readily form ammableVmixtures upon moderate heating to temperature at or above the ash point |
| Special Fire Precautions: | Avoid spraying water directly into storage containers due to danger of boiler. See also section 4 "FIRST AID MEASURES" as well as section 10 "STABILITY AND REACTIVITY"<br>If irritation persists, get medical attentionFlush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, after ushing has begun If irritation persists, get medical attention |
| Hazardous Combustion Products: | No unusual<br>If irritation persists, get medical attentionFlush eyes with large amounts of water until irritation subside .<br>If irritation persists, get medical attention |

## 6. Accidental Release Measures

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| Land Spill: | Eliminate sources of ignition. Warn occupants of down wind areas of re and explosion hazard. Prevent liquid from entering sewers, wa tercourses, or low areas.<br>Keep public away. Shut o source if possible to do so w ithout hazard. Advise police if substance has entered a watercourse or sewer or has contami nated soil or vegetation. Take measures to minimize the eect on the ground wa ter. Contain spilled liquid with sand or earth Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. If li quid is too viscous for pumping, scrape up with shovels or pails and place in s uitable containers for recycle or disposal Consult an expert on disposal of recove red material and ensure conformity to local disposal regulations.See section 4 " FIRST AID MEASURES"as well as section 10 "STABILITY AND REACTIVITY"ash point Liquids can release vapors that can readily form ammable mixtures upon moderate heating to temperature at or above the ash point |
| Water Spill: | Eliminate sources of ignition. Warn occupants and ship ping in downwind areas of re and explosion hazard and request them to stay clear. Noti fy port or relevant authority and keep public away. Shut o source if possib le. Remove from surface by skimming or with suitable absorbents. If allowed by l ocal authorities and environmental agencies sinking and/or suitable dispersa nts may be used in non- conned waters. Consult an expert on disposal of any recov ered material and ensure conformity to local disposal regulations. See also section 4 "FIRST AID MEASURES" and section 10 "STABILITY AND REACTIVITY". |

## 7. Handling and Storage

| | |
|---|---|
| Storage Temperature (Deg c el) | Ambie |
| Transport Temperature Deg c el) | Ambient |
| Loading/Unloading Temperature (Deg cel) | Ambient<br>C5 -C10+ ALKYL AROMATICS MIXTURE OF SOMERS ISOMERSC5 -C10+ ALKYL AROMATICS MIXTURE OF ISOMERS |
| Viscosity (cS t) | 0.92 |

| | |
|---|---|
| Storage/Transport Pressure (Kpa) | Atmospheric |
| Electrostatic | Use proper grounding procedure. |
| Usual Shipping Containers | Tank cars , tank trucks, tankers, barges, drums |
| Materials And Coatings Suitable | Carbon Steel, Stainless Steel, Polyester, Teflon |
| Materials And Coatings Unsuitable | Natural Rubbers, Butyl Rubber, EPDM, Polystyrene, Polyethylene, Polypropylene, Polyvinyl chloride, Polyvinyl alcohol, Polyacrylonitrile |
| Compatibility with Plastic Materials can vary; | we therefore recommend that compatibility is tested prior to use. |
| Storage / Handling, General Notes | Keep container closed. Handle containers with care. Open sl owly in order to control possible pressure release. Store in a cool, well-ventilated place away from i ncompatible materials. Do not handle, store or open near an open ame, sources of heat or sources of ign ition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source).<br>Use proper grounding procedures.DO NOT pressurize, cut, heat or weld containers. Empty produ ct containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning. residue. DO NOT reuse empty containers without commercial cleaning or reconditioning.Keep container closed. Handle containers with care. Open sl owly in order to control possible pressure release. Store in a cool, well-ventilated place away from i ncompatible materials. Do not handle, store or open near an open ame, sources of heat or sources of ign ition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source).<br>Use proper grounding procedures. DO NOT pressurize, cut, heat or weld containers. Empty produ ct containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning. |

Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.

## 8. Exposure controls and personal protection

Workplace Exposure Limits:
The use of local exhaust ventilation is recommended to control process emission s near the source. Laboratory samples should be stored and handled in a lab hood. Provide mechanical ventilation of conned spaces. See respiratory protection recommendations. Us e explosion-
proof ventilation equipment.

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Occupational Exposure Limits: 50 ppm total hydrocarbon
Personal Protection:For open systems where contact is likely, wear chemical resistant gloves, rubber boots, achemical jacket and a face shield. Where contact may occur, wear long sleeves, che mical

Workplace Exposure Limits:
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resistant gloves and a face shield. Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary to prevent overexposure by inhalation.

## 9. Physical and chemical properties

These are indicative values only. Please refer also to the product specication sheet.

| | |
|---|---|
| Form/Color | Clear colorless liquid |
| Odor | Aromatic hydrocarbon od or |
| Freezing /Melting Point - | 50.00 deg cel |
| Boiling Point Range | 110 -190 deg cel |
| Flashpoint (Tcc) | > 65 deg cel |
| Autoignition Temperature | > 420 deg cel |
| Explosive Limits (In Air) | 0.8 - 7.0 vol % |
| Vapor Pressure @ 20 C | 0.104 kPa |
| Vapor Pressure @ 38 C | 0.207 kPa |
| Vapor Pressure @ 55 C | 0.754 kPa |

| | |
|---|---|
| Density @ 15 C | 0.881 g/cc |
| Vapor Density (1013 Kpa/Air) | > 1.00 kPa |
| Solubility In Water @ 20.00 Degc | 0.01 Wt% |
| Viscosity @ 25 C | 0.92 cSt |
| Evaporation Rate (N-Bu Acetate=1) 0.100Evaporation Rate (N-Bu Acetate=1) | 0.100 |

0.100

## 10. Stability and reactivity

| | |
|---|---|
| Hazardous Polymerization | No |
| Conditions To Avoid Polymerization | Not Applicable |
| Stability | Stable |
| Conditions To Avoid In-Stability | Not Applicable |
| Materials And Conditions To Avoid(Incompatibility): | Strong oxidizing agents |
| Hazardous Decomposition Products | None |

## 11. Toxicological information

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| INHALATION: | Vapor concentrations above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system eects. |
| SKIN CONTACT: | - Low order of toxicity |
| | - Frequent or prolonged contact may defeat and dry the skin, leading to discomfort and dermatitis.discomfort and dermatitis.- Frequent or prolonged contact may defeat and dry the skin, leading to discomfort and dermatitis. |
| E YE CONTACT: | - Will cause eye discomfort, but will not injure eye tissue. |
| INGESTION: | - Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema. |
| | - Minimal toxicity. |

Additional information is available on special request

## 12. Ecological information

| | |
|---|---|
| Environmental Mobility | |
| Henry's Law Constant (Pa-M3/Mole) | 3.0E -02 |
| T 1/2 Hydrolysis (Days) | HYDROLYSIS UNLIKELY |
| T 1/2 Atmospheric (Days) | 6 |
| Bioconcentration Factor | 670 (calculated) |

## 13. Disposal considerations

The following advice only applies to the product as supplied. Combination wi th other materials may well indicate another route of disposal. If in doubt, contact local autho rities. Empty drums should be taken for recycling, recovery or disposal through a suitably qualied or licensed contractor. Care should be taken to ensure compliance with EC, national and local regulations. This product is not suitable for disposal by either landll or via municipal s ewers, drains, natural streams or rivers. This product is ash less and can be burned directly in appropriate equipment.

## 14. Transport information

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| ADR /RID Class , Item: | 3,31c | Empty Containers: | 3,41 |

| | | | |
|---|---|---|---|
| Danger Number: | 30 | Substance Id Number: | |
| Danger Label: | 9 | | |
| Max. Kg Exempt: | 500 | | |

Sea (IMDG)

| | | | |
|---|---|---|---|
| UN Number: | 1268 | | |
| IMO Class: | 9 | IMDG Code: | 3345 |
| Marine Pollutant: | Yes | | |
| Packaging Group: | Iii | | |
| - Risk Label: | 3 | Subsidiary Risk: | |

Air (ICAO/IATA)

| | | | |
|---|---|---|---|
| - ICAO/IATA Class: | 9 | Passenger Packing | |
| - Instruction: | 309/Y309 | | |
| - Passenger Max. | | Quantity/Pack: | 60l/10l |
| - Cargo Packing | | | |
| 0.100Evaporation Rate (N-Bu Acetate=1) | | Instruction: | 310 |
| 0.100 | | | |
| - Cargo Max. | | Quantity/Pack: | 220l |

## 15. Regulatory information

Classication And Labeling According To EEC Directives

| | |
|---|---|
| Classication/Symbol: | Harmful/Xn |
| Classication/Symbol: | Flammable/ |
| Governing Directive: | |

Dangerous Substances Directive 88/379/Eec, As Modied.

| | |
|---|---|
| Label Name: Solvent Naphtha Heavy | - 200 |
| Nature Of Special Risk | R10 Flammable |
| Safety Advice | S43a |

In Case Of Fire Use Sand, Earth, Chemical Powder Or Foam.

## 16. Other information

| | |
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| MSDS Creation Date: | July 23, 2015 |

NRevision #0 Date

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