



# RXSOL

CHEMO PHARMA INTERNATIONAL

**RXSOL-81-8202-210**

Exxsol D80

## Material Safety Data Sheet (MSDS)

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### 1. Product and Company Identification

|              |                   |
|--------------|-------------------|
| Product Name | Exxsol D80        |
| Part Number  | RXSOL-81-8202-210 |

#### Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai, Chennai, Vizag , Kolkata, UAE, OMAN and KENYA

|         |                                                        |
|---------|--------------------------------------------------------|
| Phone   | +91 22 2087 1200 - 1400                                |
| Fax     | +91 22 2087 1500 ::AOH :0091 9821214367                |
| Email   | <a href="mailto:123@rxmarine.com">123@rxmarine.com</a> |
| Website | <a href="http://www.rxmarine.com">www.rxmarine.com</a> |

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### 2. Composition / Information on ingredients

| Chemical Name                               | CAS number | GHS Hazard Code | Weight % |
|---------------------------------------------|------------|-----------------|----------|
| DISTILLATES (PETROLEUM), HYDROTREATED LIGHT | 64742-47-8 | H227, H304      | 100 %    |

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### 3. Hazards Identification

|                                                                                                                                               |                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal Word                                                                                                                                   | Danger                                                                                                                                                                                                               |
| Contains                                                                                                                                      | NAPHTHA (PETROLEUM), HYDROTREATED HEAVY                                                                                                                                                                              |
| PHYSICAL / CHEMICAL HAZARDS<br>readily form flammable mixtures.<br>Vapour accumulation could flash and/or<br>explode if ignited. Combustible. | Material can accumulate static charges which may cause an ignition. Material<br>can release vapours that readily form flammable mixtures. Vapour<br>accumulation could flash and/or explode if ignited. Combustible. |
| HEALTH HAZARDS                                                                                                                                | Repeated exposure may cause skin dryness or cracking. May be irritating to<br>the eyes, nose, throat, and lungs.                                                                                                     |
| Aspiration hazard                                                                                                                             | NA                                                                                                                                                                                                                   |
| ENVIRONMENTAL HAZARDS.                                                                                                                        | NA                                                                                                                                                                                                                   |

|                                       |                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard Statements                     | Physical: H227: Combustible liquid. Health: H304: May be fatal if swallowed and enters airways.                                                                                                                                                                                                                                                               |
| Precautionary statements - prevention | Prevention: P210: Keep away from flames and hot surfaces. No smoking. P280: Wear protective gloves and eye / face protection. Response: P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting. P370 + P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish. |

#### 4. First Aid Measures

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|                                                                            |                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General notes                                                              | NA                                                                                                                                                                                                                                                                                                                                                              |
| Indication of any immediate medical attention and special treatment needed | NA                                                                                                                                                                                                                                                                                                                                                              |
| Skin Contact                                                               | Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.                                                                                                                                                                                                                                               |
| Eye Contact                                                                | Flush thoroughly with water. If irritation occurs, get medical assistance.                                                                                                                                                                                                                                                                                      |
| Inhalation                                                                 | Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek Immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. |
| Ingestion                                                                  | Do NOT induce vomiting. Rinse mouth with water (only if the person is conscious)                                                                                                                                                                                                                                                                                |
| Most important symptoms/effects both acute and delayed                     | NA                                                                                                                                                                                                                                                                                                                                                              |
| Notes to Physician                                                         | If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.                                                                                                                                                                                                                                                      |

#### 5. Fire-fighting Measures

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|                                    |                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General information                | Extinguishing materials should be selected according to the surrounding area. The product itself is not combustible.                                                                                                                                                                                                                                    |
| Appropriate Extinguishing Media    | Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames                                                                                                                                                                                                                                                                          |
| Inappropriate Extinguishing Media: | Straight streams of water                                                                                                                                                                                                                                                                                                                               |
| Flammability of the Product        | Flammable.                                                                                                                                                                                                                                                                                                                                              |
| Suitable extinguishing media       | Carbon dioxide (CO2), BC-powder, foam, alcohol resistant foam, water mist                                                                                                                                                                                                                                                                               |
| Unsuitable extinguishing media     | NA                                                                                                                                                                                                                                                                                                                                                      |
| Hazardous combustion products      | NA                                                                                                                                                                                                                                                                                                                                                      |
| Advice for firefighters            | Wear breathing apparatus if exposed to vapours/dust/spray/gases. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance. Keep containers cool with water spray. |

|                                                       |                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special hazards arising from the substance or mixture | May produce toxic fumes of carbon monoxide if burning.                                                                                                                                                                                                                                                               |
| Fire Fighting Instructions:                           | Evacuate area Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel |
| Unusual Fire Hazards                                  | Combustible.                                                                                                                                                                                                                                                                                                         |
| Hazardous Combustion Product                          | Incomplete combustion products, Oxides of carbon, Smoke, Fume                                                                                                                                                                                                                                                        |
| Flash Point [Method]:                                 | 61 °C (142F) - 66 °C (151F)                                                                                                                                                                                                                                                                                          |
| Flammable Limits (Approximate volume % in air):       | LEL: 0.7 UEL: 5.3                                                                                                                                                                                                                                                                                                    |
| Autoignition Temperature                              | >200 °C (392F)                                                                                                                                                                                                                                                                                                       |

## 6. Accidental Release Measures

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|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notification Procedure   | In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Protective Measures      | Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders. For emergency responders: Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, when applicable, H <sub>2</sub> S, or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended. |
| Spillage                 | Land Spill: Stop leak if you can do so without risk. Do not touch or walk through spilled material. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.<br>Water Spill: Stop leak if you can do so without risk. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.<br>Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Personal Protection      | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Environmental Precaution | Large Spills Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## 7. Handling and Storage

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|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling                               | Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or earthing procedures. However, bonding and earthing may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Additional references include American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity) or CENELEC CLC/TR 50404 (Electrostatics - Code of practice for the avoidance of hazards due to static electricity). |
| Advice on general occupational hygiene | Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Packaging compatibilities              | Only packagings which are approved (e.g. acc. to ADR) may be used. Suitable materials and coatings for container/equipment: Carbon Steel, Stainless Steel, Polyester, Polytetrafluoroethylene (PTFE), Polyvinyl Alcohol (PVA) Unsuitable Materials and Coatings for container/equipment: Butyl Rubber, Natural Rubber, Ethylene-propylene-diene monomer (EPDM), Polystyrene, Polyethylene, Polyacrylonitrile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Storage                                | The container choice, for example storage vessel, may effect static accumulation and dissipation. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be grounded and bonded. Fixed storage containers, transfer containers and associated equipment should be grounded and bonded to prevent accumulation of static charge                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Transport Temperature                  | [Ambient]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Transport Pressure                     | [Ambient]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Loading/Unloading Temperature          | [Ambient]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| STORAGE                                | The container choice, for example storage vessel, may effect static accumulation and dissipation. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be grounded and bonded to prevent accumulation of static charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Suitable Containers/Packing            | Tank Trucks; Railcars; Barges; Drums                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hygiene measures                       | Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Unsuitable Materials and Coatings      | Ethylene-propylene-diene monomer (EPDM); Natural Rubber; Polystyrene; Butyl Rubber                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## 8. Exposure controls and personal protection

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### Exposure Limit Values

Exposure limits/standards (Note Exposure limits are not additive)

| Country | Chemical Name | Form | Limit/Standard | Note |
|---------|---------------|------|----------------|------|
|---------|---------------|------|----------------|------|

|  |                                                 |        |                                            |                   |
|--|-------------------------------------------------|--------|--------------------------------------------|-------------------|
|  | DISTILLATES (PETROLEUM) ,<br>HYDROTREATED LIGHT | Vapor. | RCP -1200 mg/m <sup>3</sup> 165 ppm<br>TWA | Total Hydrocarbon |
|--|-------------------------------------------------|--------|--------------------------------------------|-------------------|

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Controls     | The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Personal Protection      | Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Respiratory Protection   | If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: Half-face filter respirator Type A filter material. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded |
| Hand Protection          | Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include: If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile                                                                                                                                    |
| Eye Protection           | If contact is likely, safety glasses with side shields are recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Skin and Body Protection | Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Environmental controls   | Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



Gloves



Suit

## 9. Physical and chemical properties

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|                             |                                                                |
|-----------------------------|----------------------------------------------------------------|
| Physical State              | Liquid                                                         |
| Form                        | Clear                                                          |
| Colour                      | Colourless                                                     |
| Odour                       | Mild Petroleum/Solvent                                         |
| Odor Threshold              | N/D                                                            |
| Relative Density (at 15 °C) | N/D                                                            |
| Boiling Point               | 183 °C (361F) - 208 °C (406F)                                  |
| Flash Point                 | 61 °C (142F) - 66 °C (151F)                                    |
| Density (at 15 °C):         | 776 kg/m <sup>3</sup> (6.48 lbs/gal, 0.78 kg/dm <sup>3</sup> ) |
| Evaporation Rate            | 0.7                                                            |

|                                                  |                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------|
| pH:                                              | N/D                                                                                      |
| Flammability (Solid, Gas):                       | N/A                                                                                      |
| Flammable Limits (Approximate volume % in air)   | LEL: 0.7 UEL: 5.3                                                                        |
| Explosive limits                                 | Lower explosion limit (LEL) - 0.6 vol%<br>Upper explosion limit (UEL) - 7 vol%           |
| Vapour pressure                                  | 0.269 kPa (2.02 mm Hg) at 20 °C 0.811 kPa (6.1 mm Hg) at 38°C                            |
| Log Pow (n-Octanol/Water Partition Coefficient): | N/D                                                                                      |
| Vapour Density                                   | > 1 at 101 kPa                                                                           |
| Secific Gravity                                  | 0.878                                                                                    |
| Decomposition Temperature                        | N/D                                                                                      |
| Solubility in Water:                             | Negligible                                                                               |
| Autoignition Temperature                         | >200 °C (392F)                                                                           |
| Solubility in Water                              | Negligible                                                                               |
| Kintic viscosit                                  | 0.8 – 2 mm²/s at 20 °C                                                                   |
| Vapor Pressure:                                  | 0.06 kPa at 20 °C                                                                        |
| Molecular Weight                                 | 0.07 kPa (0.53 mm Hg) at 20 °C 0.24 kPa (1.8 mm Hg) at 38C 0.5 kPa (3.75 mm Hg) at 50 °C |
| Oxidizing Properties:                            | See Hazards Identification Section.                                                      |
| Freezing Point:                                  | 14°C (7°F)                                                                               |
| Melting Point:                                   | N/D                                                                                      |
| Hygroscopic:                                     | No                                                                                       |
| Evaporation Rate (n-butyl acetate = 1)           | 0.05                                                                                     |
| Log Pow (n-Octanol/Water Partition Coefficient)  | N/D                                                                                      |
| Viscosity                                        | 1.3 cSt (1.3 mm2/sec) at 40 C 1.64 cSt (1.64 mm2/sec) at 25 °C                           |
| Freezing Point                                   | <-50 °C (-58F)                                                                           |

## 10. Stability and reactivity

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|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| Reactivity                       | See sub-sections below                              |
| Chemical Stability               | Material is stable under normal conditions          |
| Material to avoid                | Strong oxidisers                                    |
| Incompatible materials           | Oxidisers                                           |
| Hazardous Decomposition Products | Material does not decompose at ambient temperatures |
| Hazardous Polymerization         | Hazardous polymerization will not occur.            |

## 11. Toxicological information

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|                               |                                                                                                                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                    | Acute Toxicity: (Rat) 8 hour(s) LC50 > 5000 mg/m3 (Vapor) Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 403 |
| Iritation                     | No end point data for material                                                                                                                                                        |
| Ingestion                     | Acute Toxicity (Rat): LD50 > 5000 mg/kg Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 401                   |
| Skin                          | Acute Toxicity (Rabbit): LD50 > 5000 mg/kg Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 402                |
| Serious Eye Damage/Irritation | May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 405                          |
| Sensitisation                 | No end point data for material.                                                                                                                                                       |
| Skin Sensitization            | Not expected to be a skin sensitizer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 406                                      |
| Aspiration                    | May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.                                                                                   |
| Germ Cell Mutagenicity        | Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 471 473 474 476 478 479                |
| Carcinogenicity               | Data available.                                                                                                                                                                       |
| Lactation                     | No end point data for material.                                                                                                                                                       |
| Single Exposure               | Not expected to cause organ damage from a single exposure.                                                                                                                            |

## 12. Ecological information

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|                      |                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Ecotoxicity          | Material -- Not expected to be harmful to aquatic organisms. Material -- Not expected to demonstrate chronic toxicity to aquatic organisms |
| mobility             | Material -- Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.                   |
| Biodegradation       | Material -- Expected to be inherently biodegradable                                                                                        |
| Hydrolysis           | Material -- Transformation due to hydrolysis not expected to be significant                                                                |
| Photolysis           | Material -- Transformation due to photolysis not expected to be significant                                                                |
| AtmosphericOxidation | Material -- Expected to degrade rapidly in air                                                                                             |
| VOC                  | Yes                                                                                                                                        |

## 13. Disposal considerations

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|                         |                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disposal Recommendation | Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. |
| Waste treatment method  | Sewage disposal-relevant information . Do not empty into drains.                                                                                                                                          |

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment of containers/packageings | Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. |
| Regulatory disposal information           | RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.                                                                                                                                                         |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## 14. Transport information

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|                                    |                                                                   |
|------------------------------------|-------------------------------------------------------------------|
| <b>Proper Shipping Name</b>        | PETROLEUM DISTILLATES, N.O.S.                                     |
| <b>Hazard Class &amp; Division</b> | Combustible Liquid                                                |
| <b>UN / ID Number</b>              | UN 1268                                                           |
| <b>Packing Group</b>               | III                                                               |
| <b>ERG Number</b>                  | 128                                                               |
| <b>Label(s)</b>                    | None                                                              |
| <b>Transport Document Name</b>     | UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID, PG III |
| <b>Land (TDG)</b>                  | Not Regulated for Land Transport                                  |
| <b>Sea (IMDG)</b>                  | Not Regulated for Sea Transport according to IMDG-Code            |
| <b>Air (IATA)</b>                  | Not Regulated for Air Transport                                   |

## 15. Regulatory information

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The hazard classification for this material is in accordance with the General Rules for Classification and Hazard Communication of Chemicals (GB 13690-2009).

|                                                                                  |                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Osha Hazard Communication Standard                                               | This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.                                                                                                                                                                                                                                   |
| Listed or exempt from listing/notification on the following chemical inventories | AICS, DSL, ENCS, KECI, PICCS, TSCA                                                                                                                                                                                                                                                                                             |
| Cercla                                                                           | This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLA petroleum exclusion applies for this product. Contact local authorities to determine if other reporting requirements apply.                          |
| CWA / OPA                                                                        | This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802. |



|                                    |                                                                                                                              |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Sara (313) Toxic Release Inventory | This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program. |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------|

## 16. Other information

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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 we 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. |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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