

# Material Safety Data Sheet

Reverse Demulsifier (RXSOL-81-8183-210)



## 1. Product and Company Identification

Product Name Reverse Demulsifier  
Part Number RXSOL-20-8183-210

Company Details:  
RX MARINE INTERNATIONAL  
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## 2. Composition / information on ingredients

| Name of Substance       | %w/w  | Cas No     |
|-------------------------|-------|------------|
| Light Aromatic Naphtha  | 20-30 | 64742-95-6 |
| 1,2,4-Trimethylbenzene  | 20-30 | 95-63-6    |
| Alkylaryl sulfonates    | 10-20 | 68425-60-5 |
| Alkylaryl sulfonates    | 10-20 | 68425-61-6 |
| 1,3,5- Trimethylbenzene | 5-10  | 108-67-8   |
| 2-Ethylhexanol          | 5-10  | 104-76-7   |
| Xylene                  | 1-5   | 1330-20-7  |
| 1,2,3-Trimethylbenzene  | 1-5   | 526-73-8   |
| Cumene                  | 0.1-1 | 98-82-8    |
| Ethylbenzene            | 0.1-1 | 100-41-4   |
| Propargyl alcohol       | 1-5   | 107-19-7   |
| Aluminum chloride       | 1-5   | 11330-20-7 |
| Proprietary Blend       | 10-20 |            |

## 3. Hazards Identification

|                                       |                                                                                                                                                                                                                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal Word                           | Warning                                                                                                                                                                                                                                                                                          |
| Hazard Statements                     | May be corrosive to metals.<br>Causes severe skin burns and eye damage.<br>Causes damage to organs through prolonged or repeated exposure if inhaled. (lungs). May cause damage to organs through prolonged or repeated exposure if swallowed.                                                   |
| Precautionary statements - prevention | Wear protective gloves: > 8 hours (breakthrough time): Nitrile or Neoprene gloves..<br>Wear eye or face protection. Wear protective clothing. Keep only in original container.<br>Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary statements - response | Absorb spillage to prevent material damage. Get medical attention if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. |
| Disposal                            | Store locked up. Store in corrosive resistant container with a resistant inner liner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## 4. First Aid Measures

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin Contact               | Get medical attention immediately. Call a poison center or physician. Wash affected area with soap and mild detergent for at least 20 - 60 minutes. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Eye Contact                | Get medical attention immediately. Call a poison center or physician. Immediately flush the eye(s) continuously with lukewarm, gently flowing water for at least 20-60 minutes while holding the eyelid(s) open. Check for and remove any contact lenses. Chemical burns must be treated promptly by a physician.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Inhalation:                | Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| Ingestion                  | Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.                          |
| Protection for first Aider | No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Notes to Physician         | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## 5. Fire-fighting Measures

### Extinguishing media

|                                                |                                                                                                                                                                                             |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                   | Use an extinguishing agent suitable for the surrounding fire.                                                                                                                               |
| Unsuitable extinguishing media                 | None known.                                                                                                                                                                                 |
| Specific hazards arising from the chemical     | In a fire or if heated, a pressure increase will occur and the container may burst.                                                                                                         |
| Hazardous thermal decomposition products       | In a fire or if heated, a pressure increase will occur and the container may burst.                                                                                                         |
| Hazardous thermal decomposition products       | carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds, metal oxide/ oxides                                                                                                |
| 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. |
| Special protective equipment for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |

## 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For non-emergency personnel                        | No 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. 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 specialised 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".                                                                                                                                                                                          |
| Environmental 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 | Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment                                                                                                                                                                                                                      |

## 7. Handling and Storage

Precautions for safe handling

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective measures                                          | Wear personal protective equipment. Do not get Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage. |
|                                                              | prevent material damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                              | product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                              | from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.                                                                                                                                                                                                                                                                                                                                                                                                             |
| Advice on general occupational hygiene.                      | 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.                                                                                                                                                                                                                                                                |
| occupational hygiene.                                        | 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 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 in corrosive resistant container with a resistant inner liner. Store locked up. 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.                             |

## 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

|                     |                                                                                                                                                                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Control | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Eye/face Protection : Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Personal Protection Skin and body protection : Wear appropriate protective gloves and clothing to prevent skin exposure. Long sleeved clothing.Flame retardant antistatic protective clothing.

Respiratory Protection : Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Exposure Limits TWA: 100 (ppm) [Canada] TWA: 435 (mg/m3) [Canada] TWA: 434 STEL: 651 (mg/m3) from ACGIH (TLV) [United States]  
TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.



Gloves



Suit

## 9. Physical and chemical properties

### Appearance

|                                       |                                                                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical state                        | Liquid                                                                                                                                                                   |
| Colour                                | Colourless                                                                                                                                                               |
| Odor                                  | Pungent.                                                                                                                                                                 |
| Odor Threshold                        | Not Available                                                                                                                                                            |
| pH                                    | 2.6                                                                                                                                                                      |
| Melting Point                         | Not available                                                                                                                                                            |
| Boiling Point                         | Not available                                                                                                                                                            |
| Flash Point                           | Closed cup: >93.4°C (>200.1°F) [SFCC]                                                                                                                                    |
| Evaporation Rate                      | Not available                                                                                                                                                            |
| Flammability (solid, gas)             | Slightly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.<br>sparks and static discharge and heat. |
| Lower and upper Explosive limits      | Not available                                                                                                                                                            |
| Vapour pressure                       | 6.1 kPa (45.7 mm Hg) @ 22°C<br>6.1 kPa (45.7 mm Hg) @ 22°C .<br>6.1 kPa (45.7 mm Hg) @ 22°C .                                                                            |
| Vapour Density                        | >1 [Air = 1]                                                                                                                                                             |
| Relative density                      | 1.259 (15.6°C)                                                                                                                                                           |
| Density                               | 10.49 (lbs/gal)                                                                                                                                                          |
| Solubility in water                   | Soluble                                                                                                                                                                  |
| Partition coefficient: noctanol/water | Not available.                                                                                                                                                           |
| Auto-ignition temperature             | Not available.                                                                                                                                                           |
| Decomposition temperature             | Not available.                                                                                                                                                           |
| Viscosity                             | Dynamic (25°C): 47.4 cP                                                                                                                                                  |
| Pour Poin                             | -40°C (-40°F)                                                                                                                                                            |

## 10. Stability and reactivity

|                                    |                                                                                            |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Reactivity                         | No specific test data related to reactivity available for this product or its ingredients. |
| Chemical stability                 | The product is stable.                                                                     |
| Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur.            |
| Conditions to avoid                | No specific data.                                                                          |
| Incompatible materials             | Reactive or incompatible with the following materials: oxidizing materials and metals      |
| Hazardous Decomposition Products   | Carbon monoxide (CO), Carbon dioxide (CO2),                                                |
| Hazardous Polymerization           | Hazardous polymerization does not occur. Hazardous Reactions None under normal processing  |

## 11. Toxicological information

|                                              |                                                                                                                                                                                                                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute oral toxicity                          | Symptoms: Gastrointestinal disturbance, Risk of aspiration upon vomiting., Pulmonary failure possible after aspiration of vomit.                                                                                                                                            |
| Acute dermal toxic                           | Acute toxicity estimate : 1,134 mg/kg                                                                                                                                                                                                                                       |
| Skin corrosion                               | Drying-out effect resulting in rough and chapped skin. Mixture causes skin irritation.                                                                                                                                                                                      |
| Toxic Effects on Humans                      | Acute Potential Health Effects: Skin: Causes skin irritation. Can be absorbed through skin. Eyes: Causes eye irritation. Inhalation: Vapor causes respiratory tract and mucous membrane irritation.                                                                         |
| Special Remarks on Chronic Effects on Humans | Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects (male and female fertility (spontaneous abortion and fetotoxicity) and birth defects based animal data. |
| Further information After absorption:        | Headache, somnolence, Dizziness, euphoria, agitation, spasms, narcosis Effect potentiated by: ethanol<br>Damage to: Kidney, Central nervous system, Liver                                                                                                                   |

## 12. Ecological information

|                                    |                                                                                                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxicity to Fish                   | No information available.                                                                                                                                                   |
| COD and BOD 5                      | Not Available                                                                                                                                                               |
| Products of Biodegradation:        | No information available.                                                                                                                                                   |
| Mobility in soil                   | No information available.                                                                                                                                                   |
| Results of PBT and vPvB assessment | Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted. |
| Other adverse effects              | Additional ecological information<br>Discharge into the environment must be avoided.                                                                                        |

## 13. Disposal considerations

|                        |                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment Method | Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 14. Transport information

|                      |        |        |
|----------------------|--------|--------|
| DOT                  |        |        |
| UN                   | Number | UN1307 |
| Proper shipping name |        | XYLENE |
| Hazard Class         |        | 3      |
| Packing group        |        | III    |
| TDG                  |        |        |
| UN                   | Number | UN1307 |
| Proper shipping name |        | XYLENE |
| Hazard Class         |        | 3      |
| Packing group        |        | III    |
| IATA                 |        |        |

|    |                      |        |
|----|----------------------|--------|
| UN | Number               | UN1307 |
|    | Proper shipping name | XYLENE |
|    | Hazard Class         | 3      |
|    | Packing group        | III    |

#### IMDG/IMO

|    |                      |        |
|----|----------------------|--------|
| UN | Number               | UN1307 |
|    | Proper shipping name | XYLENE |
|    | Hazard Class         | 3      |
|    | Packing group        | III    |

## 15. Regulatory information

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Federal and State Regulation | Connecticut hazardous material survey.: Xylenes Illinois chemical safety act: Xylenes New York acutely hazardous substances: Xylenes Rhode Island RTK hazardous substances: Xylenes Pennsylvania RTK: Xylenes Minnesota: Xylenes Michigan critical material: Xylenes Massachusetts RTK: Xylenes Massachusetts spill list: Xylenes New Jersey: Xylenes New Jersey spill list: Xylenes Louisiana spill reporting: Xylenes California Director's List of Hazardous Substances: Xylenes TSCA 8(b) inventory: Xylenes SARA 302/304/311/312 hazardous chemicals: Xylenes SARA 313 toxic chemical notification and release reporting: Xylenes CERCLA: Hazardous substances.: Xylenes: 100 lbs. (45.36 kg) |
| Other Regulation             | OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| WHMIS (Canada)               | CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DSCL (EEC)                   | R11- Highly flammable. R38- Irritating to skin. R41- Risk of serious damage to eyes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

#### HMIS

|                     |     |
|---------------------|-----|
| Health Hazard       | : 3 |
| Fire Hazard         | : 3 |
| Reactivity          | : 0 |
| Personal Protection | : H |

#### Fire :

|                 |      |
|-----------------|------|
| Health Hazard   | : 3  |
| Fire Hazard     | : 3  |
| Reactivity      | : 0  |
| Specific Hazard | : .. |

## 16. 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.

Other  
Information

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