



# RXSOL

VARANASI CHEMICAL | RX MARINE INTERNATIONAL

**RXSOL-40-1599-025**

Grease Trap BioClean

## Material Safety Data Sheet (MSDS)

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### 1. Product and Company Identification

|                |                      |
|----------------|----------------------|
| Product Name   | Grease Trap BioClean |
| Product Number | RXSOL-40-1599-025    |

#### Company Details:

**RX MARINE INTERNATIONAL**

**105, A wing , BSEL , TECH PARK.**

**VASHI ,NEW BOMBAY 400703 INDIA**

**Branch : Kandla, Mumbai, Chennai, Kakinada, Vizag, Kolkata, UAE, and Oman**

|         |                                                        |
|---------|--------------------------------------------------------|
| Phone   | +91 22 2781 5540 / 41 / 42                             |
| Fax     | +91 22 2781 1318 ::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

| Name of Substance                          | Cas Number | Weight % |
|--------------------------------------------|------------|----------|
| N-Alkyldimethylbenzyl ammonium chloride    | -          | 15       |
| Quaternary Ammonium Salts                  | -          | 25       |
| Proprietary blend of surface active agents | -          | >60      |

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### 3. Hazards Identification

|                                       |                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal Word                           | Warning                                                                                                                                                                                                                                                                                                                                                           |
| Hazard Statements                     | H302 Harmful if swallowed.<br>H314 Causes severe skin burns and eye damage.<br>H400 Very toxic to aquatic life.                                                                                                                                                                                                                                                   |
| Precautionary statements - prevention | P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Wash face, hands and any exposed skin thoroughly after handling<br>Do not eat, drink or smoke when using this product<br>Do not breathe dust/fume/gas/mist/vapors/spray<br>Wear protective gloves/protective clothing/eye protection/face protection<br>Use only outdoors or in a well-ventilated area |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary statements - response | <p>Immediately call a POISON CENTER or doctor/physician</p> <p><b>Inhalation</b><br/>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing</p> <p><b>Skin</b><br/>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse</p> <p><b>Eyes</b><br/>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p><b>Ingestion</b><br/>Rinse mouth<br/>Do NOT induce vomiting</p> <p><b>Storage</b><br/>Store locked up<br/>Store in a well-ventilated place. Keep container</p> |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 4. First Aid Measures

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|                                 |                                                                                                                                                                                                                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin Contact                    | Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Call a physician immediately.                                                                                                                                        |
| Eye Contact                     | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required. Keep eye wide open while rinsing.                                                                                                                                                            |
| Inhalation:                     | Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Remove from exposure, lie down. Call a physician immediately. If not breathing, give artificial respiration. |
| Ingestion                       | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water. Call a physician immediately.                                                                                                                                                                                           |
| Most important symptoms/effects | Causes burns by all exposure routes. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.                                                                                                                                                                                         |
| Notes to Physician              | Treat symptomatically                                                                                                                                                                                                                                                                                                          |

## 5. Fire-fighting Measures

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|                                                       |                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                          | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Cool closed containers exposed to fire with water spray.                                                                                                                                                                                                                |
| Unsuitable extinguishing media                        | No Information Available                                                                                                                                                                                                                                                                                                                         |
| Sensitivity to Mechanical Impact                      | No information available                                                                                                                                                                                                                                                                                                                         |
| Sensitivity to Static Discharge                       | No information available                                                                                                                                                                                                                                                                                                                         |
| Specific Hazards Arising from the Chemical            | Thermal decomposition can lead to release of irritating gases and vapors. The product causes burns of eyes, skin and mucous membranes. Do not allow run-off from fire-fighting to enter drains or water courses.                                                                                                                                 |
| Hazardous Combustion Products                         | Thermal decomposition can lead to release of irritating gases and vapors. Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors. |
| Protective Equipment and Precautions for Firefighters | Use personal protective equipment as required. Evacuate personnel to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.                                                                                                                                                                                    |
| Further Information                                   | Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.                                                                                                      |

## 6. Accidental Release Measures

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|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spillage                                           | Absorb with an inert material and put the spilled material in an appropriate waste disposal. Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities. |
| Personal Protection                                | Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.                                                                                                                                                                                                                                                                                                                                                    |
| Environmental Precaution                           | Should not be released into the environment. See Section 12 for additional ecological information. Avoid release to the environment. Collect spillage. Do not flush into surface water or sanitary sewer system.                                                                                                                                                                                                                                                                                          |
| 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

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|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling         | Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe vapors or spray mist. Do not ingest. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges. |
| Storage          | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Flammables area. Corrosives area.                                                                                                                                                                                                                                                                                         |
| Hygiene measures | Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.                                                                                                                                                                                                                                                                                                                   |

## 8. Exposure controls and personal protection

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|             |         |                                                                                                                                                                                                                                                  |
|-------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|-------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Protection | <p><b>Eye/face Protection</b> : 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.</p> <p><b>Skin and body protection</b> : Wear appropriate protective gloves and clothing to prevent skin exposure. Long sleeved clothing.Flame retardant antistatic protective clothing.</p> <p><b>Respiratory Protection</b> : 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.</p> |
| Hygiene Measures    | Handle in accordance with good industrial hygiene and safety practice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Exposure Limits     | <p>TWA: 100 (ppm) [Canada] TWA: 435 (mg/m3) [Canada] TWA: 434 STEL: 651 (mg/m3) from ACGIH (TLV) [United States]</p> <p>TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



Gloves



Suit

## 9. Physical and chemical properties

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|                           |                               |
|---------------------------|-------------------------------|
| Form                      | Liquid                        |
| Colour                    | Colourless                    |
| Odour                     | sweet, Characteristic         |
| Odor Threshold            | No Information Available      |
| pH                        | Not Applicable                |
| Melting Point             | -25 °C / -13 °F               |
| Boiling Point             | 143 - 145 °C / 289.4 - 293 °F |
| Flash Point               | 31 °C / 87.8 °F               |
| Evaporation Rate          | 0.7                           |
| Flammability (solid, gas) | Not Applicable                |
| Solubility in Water       | Completely Soluble            |
| Viscosity                 | No information available      |

## 10. Stability and reactivity

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|                   |                                            |
|-------------------|--------------------------------------------|
| Recativity Hazard | None known, based on information available |
|-------------------|--------------------------------------------|

|                                    |                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------|
| Stability                          | Product is stable.                                                                                    |
| Possibility of hazardous reactions | No known hazardous reactions.                                                                         |
| Conditions to avoid                | Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition. |
| Incompatible materials             | Strong oxidizing agents, Strong acids, Strong reducing agents                                         |
| Hazardous Decomposition Products   | Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ),                                              |
| Hazardous Polymerization           | Hazardous polymerization does not occur. Hazardous Reactions None under normal processing             |

## 11. Toxicological information

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|                                              |                                                                                                                                                                                                                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Damage to: Kidney, Central nervous system, Liver                                                                                                                      |

## 12. Ecological information

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|                                    |                                                                                                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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|                        |                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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**Not Classified as hazardous for transport**

### 15. Regulatory information

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding :  
None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid :  
None of the components are listed

NIET-limitatieve lijst van voor de  
voortplanting giftige stoffen – Ontwikkeling :  
None of the components are listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

## 16. Other information

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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other Information | <p>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 <b>Rx Marine International</b> has been advised of the possibility of such damages.</p> <p>DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.</p> |
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