


<b>Section 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY</b>											
<b>1.1</b>	<b>Product Name:</b> <u>RAMROD</u>										
<b>1.2</b>	<b>Supplier :</b> Transvac Systems Marlowe House Unit B, Rudford industrial Estate Ford, Arundel West Sussex BN18 0BF  Tel: +44(0)1903 736900 Fax: +44(0)1903 731569 e-mail: sales@transvac-systems.co.uk										
<b>1.3</b>	<b>Product Description</b> A strongly alkaline, viscous cleaner for the removal of fatty and greasy deposits in drains and gullies										
<b>1.4</b>	<b>Product Code</b> RAMROD										
<b>Section 2: HAZARD IDENTIFICATION</b>											
<b>2.1</b>	<b>Product is Classified as:</b> CORROSIVE										
<b>2.2</b>	<b>Risk Phrases</b> R35 Causes Severe Burns.										
<b>Section 3: COMPOSITION/INFORMATION ON INGREDIENTS.</b>											
<b>3.1</b>	Contains a blend of surfactants and caustic alkalis.										
<b>3.2</b>	<table border="1"> <thead> <tr> <th>Hazardous Ingredients</th> <th>CAS No</th> <th>EINECS No</th> <th>%w.w</th> <th>Nature of Hazard</th> </tr> </thead> <tbody> <tr> <td>Sodium Hydroxide</td> <td>1310-73-2</td> <td>215-185-5</td> <td>10-30</td> <td>Corrosive R35</td> </tr> </tbody> </table>	Hazardous Ingredients	CAS No	EINECS No	%w.w	Nature of Hazard	Sodium Hydroxide	1310-73-2	215-185-5	10-30	Corrosive R35
Hazardous Ingredients	CAS No	EINECS No	%w.w	Nature of Hazard							
Sodium Hydroxide	1310-73-2	215-185-5	10-30	Corrosive R35							
<b>Section 4: FIRST AID MEASURES</b>											
<b>4.1</b>	<b>Eyes:</b> Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice.										
<b>4.2</b>	<b>Skin:</b> Wash well with plenty of water. Remove any contaminated clothing. Seek medical advice if redness and burning develops.										
<b>4.3</b>	<b>Ingestion:</b> Drink milk or water and seek medical advice immediately. Show this data sheet or the product label.										
<b>4.4</b>	<b>Inhalation:</b> If spray or mist is inhaled, remove to fresh air, rest and keep warm. Seek medical advice if feeling unwell.										
<b>Section 5: FIRE FIGHTING MEASURES</b>											
<b>5.1</b>	<b>Fire-Fighting:</b> Non-flammable and will not support combustion. If drums are involved in a fire, spray with water to keep cool.										
<b>Section 6: ACCIDENTAL RELEASE MEASURES</b>											
<b>6.1</b>	<b>Release Measures:</b> Wear chemical resistant boots, waterproof suit, gloves and eye /face protection. Contain spillage and absorb onto dry earth, sand or granules. Scrape up and place into suitable plastic containers. Flush the affected area with water to remove last traces.										
<b>Section 7: HANDLING AND STORAGE</b>											
<b>7.1</b>	<b>Handling &amp; Storage:</b> Store between 0 and 30° C in the containers provided and replace closure after use. Do not mix with other chemicals.										
<b>Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>											
<b>8.1</b>	<b>Personal Protection:</b> Wear rubber gloves and safety glasses when handling the neat or diluted product. In addition, wear rubber boots and a waterproof suit if splashing is a possibility.										

<b>Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>		
<b>8.2</b>	<b>Workplace Exposure Limits (WELs):</b>	Sodium hydroxide has been allocated an STEL (Short-term exposure limit) of 2 mg/cubic metre; the product contains ~ 25%.
<b>Section 9: PHYSICAL AND CHEMICAL PROPERTIES</b>		
<b>9.1</b>	<b>Appearance</b>	Slightly hazy, highly viscous liquid.
<b>9.2</b>	<b>Odour</b>	Slight detergent odour.
<b>9.3</b>	<b>pH</b>	10%: 13.8      1%:12.8
<b>9.4</b>	<b>Density @20°C</b>	1.30 g/ml
<b>9.5</b>	<b>Flash Point</b>	Non-Flammable
<b>9.6</b>	<b>Solubility in Water</b>	Soluble in all proportions.
<b>Section 10: STABILITY AND REACTIVITY</b>		
<b>10.1</b>	<b>Stability and Reactivity:</b>	Stable under normal conditions of use and storage. If involved in a fire, will generate sooty deposits plus the oxides of carbon and nitrogen.
<b>Section 11: TOXICOLOGICAL INFORMATION</b>		
<b>11.1</b>	<b>Contact with eyes:</b>	Causes irritation, redness and burning. Damage may be permanent if not flushed immediately with water.
<b>11.2</b>	<b>Contact with skin:</b>	Contact causes irritation and burning.
<b>11.3</b>	<b>Ingested:</b>	Will cause soreness and burning to mouth, throat and digestive tract.
<b>11.4</b>	<b>Inhaled:</b>	If spray or mist is inhaled, will cause irritation of mouth, nose and throat.
<b>Section 12: ECOLOGICAL INFORMATION</b>		
<b>12.1</b>	<b>Ecological Information:</b>	The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer. The main problem is the high pH of the product and for this reason, the product should not be allowed to enter the natural surface drainage system.
<b>Section 13: DISPOSAL CONSIDERATIONS</b>		
<b>13.1</b>	<b>Disposal:</b>	For the disposal of large quantities, consult the local authority for advice. Small amounts may be disposed of via the foul sewer where it will be successfully treated by the local water treatment plant. Do not allow product to enter the surface drainage system.
<b>Section 14: TRANSPORT INFORMATION:</b>		
<b>14.1</b>	<b>Proper Shipping Name:</b>	Sodium Hydroxide Solution.
<b>14.2</b>	<b>UN No:</b>	1824
<b>14.3</b>	<b>Hazard Class:</b>	CORROSIVE 8
<b>14.4</b>	<b>Packing Group:</b>	II.
<b>14.5</b>	<b>TREM Card No:</b>	-

<b>Section 15: REGULATORY INFORMATION:</b>	
<b>15.1</b>	<p><b>COSHH</b></p> <p>The preparation requires a formal COSHH assessment which should ensure that employees are aware of hazards/precautions detailed in this data sheet. The COSHH assessment should also ensure that recommended safety equipment is available and, where applicable, the exposure limits detailed in Section 8 are not being exceeded.</p>
<b>Section 15: REGULATORY INFORMATION:</b>	
<b>15.2</b>	<p><b>Label for Supply:</b></p>  <p><b>CORROSIVE</b></p>
<b>15.3</b>	<p><b>Risk Phrases:</b></p> <p>R35: Causes severe burns</p>
<b>15.4</b>	<p><b>Safety Phrases:</b></p> <p>S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>S27: Take off immediately all contaminated clothing.</p> <p>S28: After contact with skin wash immediately with plenty of water.</p> <p>S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.</p> <p>S45: In case of accident or if you feel unwell, seek medical advice immediately (show label or this data sheet).</p>
<b>15.5</b>	<p><b>UK Regulatory Ref:</b></p> <p>U.K. Regulatory References: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 which closely follows the European Commissions labeling guide (Annex VI to Directive 67/548/EEC).</p> <p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 aligned with ADR. Workplace Exposure Limits EH40.2005 (2nd edition published 2011).</p> <p>REACH: Regulation 1907/2006/EC effective June 1st , 2007. The raw materials used in this preparation have been pre-registered in accord with the requirements of REACH.</p>
<b>Section 16: OTHER INFORMATION</b>	
<b>16.1</b>	<p><b>Other Information:</b></p> <p>It is the responsibility of the user to ensure safe working conditions. The health hazards and general information contained within this Material Safety Data Sheet are given as a guide to the precautions required to maintain a safe working environment.</p>