


<b>Section 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY</b>											
<b>1.1</b>	<b>Product Name:</b> <u>SD10 PHOSPHORIC ACID</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> Phosphoric Acid used to descaling black and grey water pipework serving conventional and vacuum toilet systems.										
<b>1.4</b>	<b>Product Code</b> SD10										
<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> R34 Causes burns.										
<b>Section 3: COMPOSITION/INFORMATION ON INGREDIENTS.</b>											
<b>3.1</b>	Contains phosphoric acid.										
<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>Phosphoric Acid</td> <td>7664-38-2</td> <td>231-663-2</td> <td>60-100</td> <td>Corrosive R34</td> </tr> </tbody> </table>	Hazardous Ingredients	CAS No	EINECS No	%w.w	Nature of Hazard	Phosphoric Acid	7664-38-2	231-663-2	60-100	Corrosive R34
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<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 if symptoms persist.										
<b>4.2</b>	<b>Skin:</b> Wash well with plenty of water. Remove any contaminated clothing										
<b>4.3</b>	<b>Ingestion:</b> Wash out mouth with water. Drink water; at least 500 ml (1 pint) and seek medical advice. Do not induce vomiting.										
<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. If drums are involved in a fire, spray with water to keep cool in order to minimize leakage and damage. If drum leakage is exposed to a fire, use water spray, alcohol resistant foam, dry chemical or carbon dioxide										
<b>Section 6: ACCIDENTAL RELEASE MEASURES</b>											
<b>6.1</b>	<b>Release Measures:</b> Wear personal protective clothing (see below in Section ).Evacuate the area and only authorized, trained personnel should be involved in the clean up. Contain spills with dry earth or sand. The contained spillage should be carefully neutralized by the addition of hydrated lime or soda ash; stand upwind whilst doing this. Do not allow spillage to enter the surface drainage system; should this be unavoidable then alert the Environmental Agency. Small spills may be hosed away without problems preferably to the foul sewer.										

<b>Section 7: HANDLING AND STORAGE</b>		
<b>7.1</b>	<b>Handling &amp; Storage:</b>	Store between 0 °C and 30 °C. Do not store near bleach or strong alkalis. Wear protective clothing (see Section 8 below) when handling neat or dilute product. Please note that this liquid has a very high density (e.g. a 25 litre container weighs 42 kg) so mechanical handling aids should be used as normal procedure.
<b>Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>		
<b>8.1</b>	<b>Personal Protection:</b>	Wear waterproof clothing and boots, gloves (butyl or nitrile rubber) and suitable eye/face protection when handling neat or diluted product. Eye wash facilities should be on hand.
<b>8.2</b>	<b>Workplace Exposure Limits (WELs):</b>	Phosphoric acid has a Long Term Exposure Limit of 1 mg/m <sup>3</sup> and a Short Term Exposure Limit of 2 mg/m <sup>3</sup> . The product contains 81.5 % of phosphoric acid.
<b>Section 9: PHYSICAL AND CHEMICAL PROPERTIES</b>		
<b>9.1</b>	<b>Appearance</b>	Clear, pale straw coloured, slightly viscous liquid.
<b>9.2</b>	<b>Odour</b>	Slightly acidic.
<b>9.3</b>	<b>pH</b>	1%: 1.2
<b>9.4</b>	<b>Density @20°C</b>	1.65 g/cm <sup>3</sup>
<b>9.5</b>	<b>Flash Point</b>	Non-Flammable
<b>9.6</b>	<b>Solubility in Water</b>	Completely miscible.
<b>Section 10: STABILITY AND REACTIVITY</b>		
<b>10.1</b>	<b>Stability and Reactivity:</b>	Stable under normal conditions of use and storage. Do not mix with oxidising agents, bleach or alkaline materials. Avoid contact with metals as this creates corrosion and liberates hydrogen. If burnt, will generate phosphoric acid fumes and the oxides of phosphorus
<b>Section 11: TOXICOLOGICAL INFORMATION</b>		
<b>11.1</b>	<b>Contact with eyes:</b>	Causes irritation and burning. If not treated by washing with water immediately, could cause permanent damage.
<b>11.2</b>	<b>Contact with skin:</b>	Will cause irritation and burning if not washed off immediately with water.
<b>11.3</b>	<b>Ingested:</b>	Causes soreness and burning of mouth and throat . Will cause nausea, shock and maybe convulsions and collapse.
<b>11.4</b>	<b>Inhaled:</b>	If spray or mist is inhaled, will cause burning of mouth, nose and throat.
<b>Section 12: ECOLOGICAL INFORMATION</b>		
<b>12.1</b>	<b>Ecological Information:</b>	Main concern is the acidity of the product and this would prove harmful to aquatic species so therefore the product should not be allowed to pollute natural water courses.
<b>Section 13: DISPOSAL CONSIDERATIONS</b>		
<b>13.1</b>	<b>Disposal:</b>	Consult local authority before disposal. Small quantities can be disposed of via foul sewer and it will not present any problems to the local water treatment works.
<b>Section 14: TRANSPORT INFORMATION:</b>		
<b>14.1</b>	<b>Proper Shipping Name:</b>	Phosphoric Acid Solution.
<b>14.2</b>	<b>UN No:</b>	1805
<b>14.3</b>	<b>Hazard Class:</b>	CORROSIVE 8
<b>14.4</b>	<b>Packing Group:</b>	III.
<b>14.5</b>	<b>TREM Card No:</b>	82,80G01

<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>R34: Causes 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>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>