

<b>Unibond General Purpose Silicone Sealant</b>	<b>Issue Date</b> 03/10/95 12:39 PM <b>Supply Date</b> 07/10/96 4:47 PM <b>Issue No</b> 2 Revised <b>Ref</b> HE140V02.DOC
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1. Identification of the	<b>1.1 substance/ preparation</b> Unibond General Purpose Silicone Sealant packed in a plastic cartridge with removable nozzle. Available in a number of colours, white and translucent.				
and	<b>1.2 company/ undertaking</b> Henkel Home Improvement and Adhesive Products Road 5 Winsford Industrial Estate Winsford Cheshire United Kingdom  Tel 01606 593933 Fax 01606 863762				
2. Composition/ information on ingredients					
	% w/w Range	Substance	Cas no EEC No	Risk	Risk Phrases
	0-5	Methyl triacetoxysilane	17689-77-9	C	R34 Causes burns
	5-10	Ethyl triacetoxysilane	4253-34-3	C	R34 Causes burns
		Acetic Acid (from cure reaction)	64-19-7	C	R34 Causes burns
3. Hazards identification	<b>3.1 Inhalation:</b> Inhalation of acetic acid vapour may cause irritation.				
	<b>3.2 Ingestion:</b> May cause irritation				
	<b>3.3 Skin and eye contact:</b> May cause irritation to eyes				
	<b>3.4 Chemical and Physical:</b> There are No Hazards associated with this product. Curing reaction releases acetic acid vapours.				
	<b>3.5 Environmental:</b> There are no known adverse environmental effects				
4. First aid measures	<b>4.1 Inhalation</b> Remove to fresh air. If irritation or ill effects persist seek medical advice.				

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	<p><b>4.2 Skin Contact</b> Remove bulk of material with a dry cloth or tissue. Wash with detergent and luke warm water. Clean hands with a proprietary solvent based skin cleaner in accordance with manufacturers instructions.</p>
	<p><b>4.3 Ingestion</b> If casualty is uncomfortable, wash mouth out with water and give no more than a cupful to drink.</p>
	<p><b>4.4 Eye contact</b> Wash eyes out with copious amounts of water. If irritation persists seek medical aid.</p>
<b>5. Fire fighting measures</b>	<p>The product does not support combustion, but may burn on contact with applied flames. Any suitable means can be used to extinguish fires in which product is present.</p>
<b>6. Accidental release measures</b>	<p>Collect spilled containers and recover undamaged units. Collect spilled product into buckets or similar and leave to dry. Dried product and containers can be handled as normal waste.</p>
<b>7. Handling and storage</b>	<p>Store in dry conditions, and protect from frost and temperatures above 30°C. Store out of reach of children. No special handling measures are necessary. Ensure area is ventilated during use and when drying/curing.</p>
<b>8. Exposure controls/ personal protection</b>	<p><b>8.1 Exposure Controls</b> Acetic Acid OES      LTEL 8 hour TWA      10 ppm      25 mg/M<sup>3</sup>              STEL 15min      15 ppm      37 mg/M<sup>3</sup> Source EH 40/95, Occupational Exposure Limits 1995: Publ HSE Books Plan work to minimise exposure during drying/curing. Ensure a ventilating draft is provided by opening windows.</p>
	<p><b>8.2 Personal Protection</b>  No personal Protective Equipment is considered necessary</p> <p><b>8.2.1 Respiratory protection</b> Not required</p> <p><b>8.2.2 Hand protection</b> Not required Persons with sensitive skin may require protective gloves. Avoid Continuous skin contact</p> <p><b>8.2.3 Eye protection</b> Not required</p> <p><b>8.2.4 Skin protection</b> Not required</p>

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<b>9. Physical and Chemical Properties</b>	<table> <tr> <td><b>Appearance</b></td><td>White translucent or colored viscous paste</td></tr> <tr> <td><b>Odour</b></td><td>Vinegar, acetic acid smell</td></tr> <tr> <td><b>Density</b></td><td>1.04</td></tr> <tr> <td><b>pH or Conc %</b></td><td>&lt;5% by weight of acid materials</td></tr> <tr> <td><b>Boiling Point°C</b></td><td>NA</td></tr> <tr> <td><b>Flash point °C</b></td><td>&gt;100</td></tr> <tr> <td><b>Auto flammability</b></td><td>&gt;150</td></tr> <tr> <td><b>Explosive/Oxidising properties</b></td><td>NONE</td></tr> <tr> <td><b>Vapour Pressure KPa</b></td><td>Not Available</td></tr> <tr> <td><b>Vapour Density</b></td><td>Not Available</td></tr> <tr> <td><b>Evaporation rate</b></td><td>NA</td></tr> <tr> <td><b>Solubility</b></td><td>Insoluble Water Soluble in Toluene</td></tr> <tr> <td><b>Partition Co-efficient: n-Octanol/water</b></td><td>Not Available</td></tr> <tr> <td><b>Melting Point°C</b></td><td>NA</td></tr> <tr> <td><b>Flammability</b></td><td>Vapour will burn</td></tr> </table>	<b>Appearance</b>	White translucent or colored viscous paste	<b>Odour</b>	Vinegar, acetic acid smell	<b>Density</b>	1.04	<b>pH or Conc %</b>	<5% by weight of acid materials	<b>Boiling Point°C</b>	NA	<b>Flash point °C</b>	>100	<b>Auto flammability</b>	>150	<b>Explosive/Oxidising properties</b>	NONE	<b>Vapour Pressure KPa</b>	Not Available	<b>Vapour Density</b>	Not Available	<b>Evaporation rate</b>	NA	<b>Solubility</b>	Insoluble Water Soluble in Toluene	<b>Partition Co-efficient: n-Octanol/water</b>	Not Available	<b>Melting Point°C</b>	NA	<b>Flammability</b>	Vapour will burn
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<b>10. Stability and reactivity</b>	<p>There are no known adverse reactions. There are no known hazardous decomposition products.</p>																														
<b>11. Toxicological Information</b>	<p>No adverse toxicological effects are expected via any absorption route. Sensitive skin may be mildly irritated by prolonged or continuous contact</p>																														
<b>12. Ecological Information</b>	<p>No adverse ecological effects are known or expected from the storage, use or disposal of these products.</p>																														
<b>13. Disposal Considerations</b>	<p>The product and its packaging can be disposed via normal routes, eg, landfill or incineration. Empty dry containers can be recycled or recovered.</p>																														
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	<p><b>15.2 Applicable Regulations</b></p> <p><b>CHIP</b> Not Classified  <b>CDGCPL</b> Not Classified  <b>HSWA 1974</b>  <b>COSHH</b> The user must make their own assessment of the risks to health due to the use to which this product is put.  <b>EH 40/--</b> See 1995 Edition  <b>Manual Handling Regulations</b> The user must make their own assessment of the applicability of these regulations to the product.  <b>Personal Protective Equipment at Work Regulations</b> The users must make their own final assessment of the suitability of equipment for the specific end use  <b>The Controlled Waste Regulations</b> Users must assess thier own obligations under these regulations.  <b>VOC Content</b> None</p>
16 Other Information	<p><b>16.1 Poisons Centres</b>  Henkel Products are registered with the National Poisons Information Service from whom medical professionals can obtain further information.</p>
	<p><b>16.2 Revision Data</b>  All sections were rewritten in this issue</p>
	<p><b>16.3 Sources of information</b>  Suppliers data sheets, and general reference books.</p>
	<p><b>16.4 Restrictions of use</b>  This material is not suitable for aquaria or drinking water containers. This product is intended for use as a building sealant only. Other uses may not be covered by the scope of advice in this datasheet.</p>
	<p><b>16.5 Disclaimer</b>  Every effort has been made to ensure that this information is accurate and up to date. Users are reminded that they should ensure that they have retained or internally circulated the most up to date copy as provided to the persons or work locations which require them. No warranty is implied or given as to suitability for use for any activity which is not covered by either the technical data or the restrictions of use above.</p>
	<p><b>Compiled by A Wood</b></p>