


**Product properties – Technical sheet**

<p><b>DRAIN OPENER</b></p>	<p><b>Item no.:</b> <b>60 80 16</b></p>
<p><b>Areas of application</b></p>	<p><b>Drain Opener</b> is a strong alkaline powder, chlorine free, for the cleaning of waste pipes.</p> <p><b>Drain Opener</b> is a foam regulated, highly active product for the removal and decomposition of fat, grease and organic residues.</p> <p><b>Drain Opener</b> should be used preventive once a week in order to avoid the pipe system from clog up.</p>
<p><b>Method of application</b></p>	<p>Add the powder undiluted into the waste water system or kitchen drain. It is important to have enough water in the system in order to solve the powder.</p> <p><b>Attention:</b> During the dissolving of the powder the solution will extremely warm up.</p> <p>This is the reason that the product must be used only in cold water.</p> <p>If the pipes are made from plastic the concentration must not be more than 10 %.</p> <p>Concentration: 10.0 – 20.0 % Temperature: 20 – 30°C Time: 10 – 15 minutes</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<p><b>Material compatibility</b></p>	<p>PVDF, PP, PE, PVC, stainless steel, glass, steel, cast iron.</p> <p><b>Drain Opener</b> must not be used on aluminium.</p> <p>In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p>

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<b>Analysis of concentration</b>	see titration method		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	White		
<b>Form</b>	Prills		
<b>Odour</b>	Odourless		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Not foaming		
<b>Phosphates</b>	not applicable		
<b>Bulk density (20°C) g/l</b>	1,080.0 – 1,180.0		
<b>Concentration</b>	<b>1 % in H<sub>2</sub>O dest.</b>	<b>3 % in H<sub>2</sub>O dest.</b>	<b>5 % in H<sub>2</sub>O dest.</b>
<b>pH value (1 %, 20°C)</b>	12.7 – 13.3	not applicable	not applicable
<b>Conductance (1 %, 20°C) mS/cm</b>	46.0 – 56.0	130.0 – 150.0	210.0 – 240.0
<b>Phenolphthalein alkalinity (ml)</b>	12.25 ± 0.75 (1 % at 5 ml sample)		
<b>m-Value (ml)</b>	not applicable		
<b>Storage stability</b>	- 20°C to + 40°C		
<b>Remarks regarding biocides</b>	<b>not applicable</b>		
<b>Hazardous products</b>	Sodium Hydroxide		
<b>Risk symbols</b>			
	<b>DANGER</b>		
<b>Special remarks</b>	<p>Always close the container with the original closure, and store the items in a cool area without solar radiation. Product which was taken out of the container must never be poured back into the container.</p> <p><b>Read in any case our safety data sheet before using the product!</b></p>		
<b>Disposal</b>	Disposal acc. to official regulations, in case of doubt contact the manufacturer.		

Please refer to our safety data sheets and our operating instructions with regard to precautionary measures, first aid measures and storage. The information given in the Sheet corresponds to the present state of our technical knowledge and experience. They do not constitute any guarantee; they are to be considered as basic information only. In particular they do not guarantee particular properties or the suitability for a concrete purpose. Because of the multitude of possible influences during the application of our products, the user has to make in any case the relevant tests and take the corresponding precautions. Any existing intellectual property rights are to be observed.