


**Product properties – Technical sheet**

<p><b>FILTER AND FILL CLEANER</b></p>	<p><b>Item no.:</b> <b>40 80 00</b></p>
<p><b>Areas of application</b></p>	<p>The <b>Filter and Fill Cleaner</b> is a special product for all cleaning operations in the inner side of filter and fills systems.</p> <p><b>Filter and Fill Cleaner</b> removes in particular all organic impurities which can be found in filter and fill systems.</p> <p>Because of the thorough combination of high active chlorine and the other special components the agent intensifies the cleaning effect enormously.</p>
<p><b>Method of application</b></p>	<p><b>Re-circulating process:</b> Concentration: 2.0 – 5.0 % Temperature: cold Time: 30 – 60 minutes</p> <p><b>Dipping process:</b> Concentration: 2.0 – 3.0 % Temperature: Cold Time: 60 – 120 minutes</p> <p><b>Spray rinsing process:</b> Concentration: 5.0 – 10.0 % Temperature: cold Time: 5 – 10 minutes</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p> <p>In case of insufficient rinsing in the 'dead areas' of the plant equipment and pipes or in gaps e.g. under seals it could come to the enrichment of chloride ions which can lead at pH values &lt; 7 to pit, hole and intergranular corrosion at stainless steel!</p>
<p><b>Material compatibility</b></p>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass</p> <p><b>Filter and Fill Cleaner</b> must not be used on aluminium. In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use. Make a paint test before using the product on painted surfaces.</p>

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<b>Analysis of concentration</b>	according to the titration instructions		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	Clear – Cloudy	Slightly Yellowish – Yellowish	
<b>Form</b>	Liquid		
<b>Odour</b>	Chlorine-like		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Not foaming		
<b>Phosphates</b>	n/a		
<b>Density (20°C) g/cm<sup>3</sup></b>	1.325 – 1.355		
<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>	12.3 – 12.9	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	14.5 – 17.5	41.0 – 47.0	67.0 – 77.0
<b>Phenolphthalein alkalinity (ml)</b>	6.7 ± 0.5 (1 % at 10 ml sample)		
<b>m-Value (ml)</b>	n/a		
<b>Storage stability</b>	+ 5°C to + 30°C		
<b>Remarks regarding biocides</b>	n/a		
<b>Hazardous products</b>	Sodium Hydroxide / Sodium hypochlorite solution		
<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.