



## Product properties – Technical sheet

<p><b>MICROL SR 040</b></p>	<p><b>Item no.:</b> <b>41 28 23</b></p>
<p><b>Areas of application</b></p>	<p><b>Microl SR 040</b> is a combination of inorganic acids, used in micro filter- and ultra-filter systems to remove inorganic residues from the membranes.</p> <p><b>Microl SR 040</b> is especially developed to remove residues, caused by the water e.g. carbonates.</p> <p><b>Microl SR 040</b> is able to remove the residues in a very short time of application.</p> <p>Continuous cleaning cycles maintain the membrane stability and guarantee an even throughput.</p>
<p><b>Method of application</b></p>	<p><b>Re-circulating cleaning system:</b></p> <p>Concentration: 1.0 – 5.0 %          Temperature: 20 – 40°C          Time: 10 – 30 minutes (cycle for rinsing free)</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, and membranes suitable for acid cleaning solutions (polysulfon, polypropylene, ceramic)</p> <p><b>Before use, the instructions of the system manufacturer should be observed and restrictions on pH and temperature should be observed.</b></p> <p><b>Microl SR 040</b> must not be used on steel, non-ferrous metal and cast iron and membranes made from cellulose and cellulose acetate.</p> <p>In addition, further material incompatibilities cannot be excluded. Therefore, test the product before use and ask the producer of the membrane if the product is compatible with the product.</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	Colourless	
<b>Form</b>	Liquid		
<b>Odour</b>	Pungent		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Not foaming		
<b>Phosphates</b>	Contained		
<b>Density (20°C) g/cm<sup>3</sup></b>	1.160 – 1.190		
<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>	1.3 – 1.9	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	14.5 – 17.5	43.0 – 49.0	72.0 – 80.0
<b>Phenolphthalein alkalinity (ml)</b>	4.9 ± 0.5 (1 % at 10 ml sample)		
<b>m-Value (ml)</b>	n/a		
<b>Storage stability</b>	- 5°C to + 40°C		
<b>Remarks regarding biocides</b>	n/a		
<b>Hazardous products</b>	Nitric acid / Orthophosphoric acid		
<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.