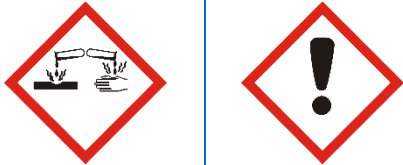


Product properties – Technical sheet

<p>MICROL P-CF-S</p>	<p>Item no.: 41 28 42</p>
<p>Areas of application</p>	<p>Microl P-CF-S is especially developed for the usage in PALL-membrane filter systems.</p> <p>Microl P-CF-S is a mixture of inorganic acids for the cleaning and stabilisation from filters and membrane plants.</p> <p>Microl P-CF-S is especially developed to remove residues, caused by the water e.g. carbonates in order to prevent the membrane from blocking.</p> <p>Microl P-CF-S is used in the flushing program of the membrane filter system.</p> <p>Continuous cleaning cycles take care of good condition of the membranes and more regular flow capacity.</p>
<p>Method of application</p>	<p>Re-circulating cleaning system, also suitable for systems with automatic dosing system (time-relay, volumetric control or control according the conductivity):</p> <p>Concentration: 1.0 – 3.0 % Temperature: 20 – 40 °C Time: 10 – 40 minutes in flushing program</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p> <p>Wet Conservation: If the filter is not used for some days Microl P-CF-S can be used to make stabilisation in the filter system and to prevent the membrane from blocking. After the cleaning procedure the system should be filled with a 0.5 % solution of Microl P-CF-A or Microl P-CF-S.</p>
<p>Material compatibility</p>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Aluminium</p> <p>Microl P-CF-S must not be used on steel and cast iron. In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p>

Product properties – Technical sheet

Analysis of concentration	see titration method		
Physical and chemical properties			
Aspect/colour	Colourless		
Form	Liquid		
Odour	Pungent		
Foaming behaviour <small>(see under conditions of application)</small>	Not foaming		
Phosphates	Contained		
Density (20°C) g/cm³	1.270 – 1.290		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	1.3 – 1.9	not applicable	not applicable
Conductance (1 %, 20°C) mS/cm	14.8 – 16.8	40.0 – 46.0	65.0 – 75.0
Phenolphthalein alkalinity (ml)	7.8 ± 0.5 (1 % at 10 ml sample)		
m-Value (ml)	not applicable		
Storage stability	- 5° C – + 40° C		
Remarks regarding biocides	not applicable		
Hazardous products	Orthophosphoric acid / Nitric acid		
Risk symbols			
	DANGER		
Special remarks	<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>Read in any case our safety data sheet before using the product!</p>		
Disposal	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.