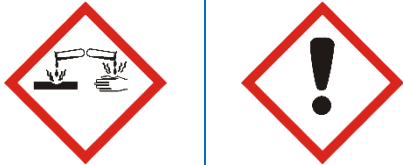


**Product properties – Technical sheet**

<p><b>MICROL P-CF-H</b></p>	<p><b>Item no.:</b> <b>41 28 41</b></p>
<p><b>Areas of application</b></p>	<p><b>Microl P-CF-H</b> is a liquid additive used to intensify the cleaning effect of all alkaline solutions used to clean the inner side of 'PALL-Filter-Systems'.</p> <p><b>Microl P-CF-H</b> decomposes its oxygen components very quickly so that all organic impurities are oxidised immediately.</p> <p><b>Microl P-CF-H</b> is free of surfactants and doesn't influence the foam behaviour of the cleaning solution.</p>
<p><b>Method of application</b></p>	<p><b>CIP cleaning:</b> Add <b>Microl P-CF-H</b> in a ratio of 2 – 5 % into the cleaning solution.</p> <p>By using a re-circulating cleaning system the solution can be heated from 50°C up to 70°C.</p> <p>Because of the heavily release of oxygen it has to be made a pressure compensation.</p> <p>Re-circulation time: 10 – 40 minutes.</p> <p><b>Attention:</b> If <b>Microl P-CF-H</b> is to be mixed with another product, both products have to be diluted prior!</p> <p>Due to the heavily release of oxygen <b>Microl P-CF-H</b> must only be used in vessels with pressure compensation!</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</p> <p><b>Microl P-CF-H</b> must not be used on steel, cast iron and aluminium. In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p> <p><b>Applying Microl P-CF-H with 'Cross-Flow-Filter' systems only according to the references of the plant manufacturer</b></p>

## Product properties – Technical sheet

<b>Analysis of concentration</b>	see titration method		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	Colourless		
<b>Form</b>	Liquid		
<b>Odour</b>	Characteristic		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Not foaming		
<b>Phosphates</b>	not applicable		
<b>Density (20°C) g/cm<sup>3</sup></b>	1.125 – 1.145		
<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>	5.0 – 7.0	not applicable	not applicable
<b>Conductance (1 %, 20°C) mS/cm</b>	not applicable	not applicable	not applicable
<b>Phenolphthalein alkalinity (ml)</b>	not applicable		
<b>m-Value (ml)</b>	not applicable		
<b>Storage stability</b>	+ 5°C to + 30°C		
<b>Remarks regarding biocides</b>	not applicable		
<b>Hazardous products</b>	Hydrogen peroxide		
<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.