


Product properties – Technical sheet

MICROL A-FIT	Item no.: 00 17 75
Areas of application	<p>CONDITIONING AGENT AND STABILIZING AGENT FOR MULTIPURPOSE OPERATION IN MEMBRANE FILTRATION TECHNOLOGY</p> <p>Microl A-FIT is especially developed for the application in membrane filtration plants as well as deep-bed filters. The product is used for the wet conservation after the cleaning procedure or during the production break.</p> <p>Microl A-FIT is also used for the reduction of chlorine after the application of cleaning products based on chlorine in order to prevent the membrane from being attacked by residues of chlorine.</p> <p>In order to verify remains of chlorine we suggest using titration or redox measurement.</p>
Method of application	<p>Wet conservation: Concentration: 2,5 – 5,0 % Temperature: 5 – 40°C Time: during the production break</p> <p>Reduction of Chlorine: For 1 ppm Chlorine (Cl₂) use 2.4 ppm Microl A-FIT</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p> <p>Remark:</p> <ul style="list-style-type: none"> · In open applications the shelf life of the in-use solution is limited and this solution should be used timely. · In closed systems the concentration must be proved by titration all 30 days and if necessary additional dosing is required.
Material compatibility	<p>PVDF, PP, PE, PVC, Polyamide, Cellulose acetate, Stainless Steel, Glass.</p> <p>Microl A-FIT must not be used on materials like steel, cast-iron or zinc.</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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Analysis of concentration	according to the titration instructions		
Physical and chemical properties			
Aspect/colour	Clear	Yellowish – Green	
Form	Liquid		
Odour	Pungent		
Foaming behaviour <small>(see under conditions of application)</small>	Not Foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.385 – 1.415		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	5.0 – 6.0	n/a	n/a
Conductance (1 %, 20°C) mS/cm	7.5 – 8.5	18.5 – 21.5	32.0 – 36.0
Phenolphthalein alkalinity (ml)	6.5 ± 1.0 (1 % at 10 ml sample)		
m-Value (ml)	n/a		
Storage stability	+ 10°C – + 30°C (at temperatures below 10°C crystallization can occur)		
Remarks regarding biocides	n/a		
Hazardous products	Ammonium bisulfite		
Risk symbols			
	WARNING		
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.