


Product properties – Technical sheet

MICROL SR 020	Item no.: 41 28 20
Areas of application	<p>INCLUDED IN THE FIBL LIST OF PERMITTED INPUTS FOR ORGANIC PRODUCTION IN GERMANY</p> <p>Microl SR 020 is a mixture of inorganic acids for the cleaning and stabilisation from filters and membrane plants.</p> <p>Stabilisation: If the filter is not used for some days Microl SR 020 can be used to make stabilisation in the filter system and to prevent the membrane from blocking.</p> <p>Before Microl SR 020 is used in micro filter- and ultra-filter systems the whole system must be cleaned with a Microl cleaning product.</p> <p>Cleaning: For the removal of inorganic residues, caused by high water hardness, the whole filtration system has to be rinsed with Microl SR 020.</p>
Method of application	<p>Re-circulating cleaning system:</p> <p>Concentration: 2.0 – 2.5 % Temperature: cold – 40°C Time: 5 – 10 minutes or during the period of any use.</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
Material compatibility	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, and membranes suitable for alkaline and acid cleaning solutions.</p> <p>Before using the system, it is essential to follow the system manufacturer's instructions and to pay particular attention to the limitations with regard to pH value and temperature.</p> <p>Microl SR 020 must not be used on steel and cast iron and membranes made from cellulose and cellulose acetate. 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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Analysis of concentration	according to the titration instructions		
Physical and chemical properties			
Aspect/colour	Clear	Colourless – Slightly Brownish	
Form	Liquid		
Odour	Odourless		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.160 – 1.180		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	2.3 – 2,9	n/a	n/a
Conductance (1 %, 20°C) mS/cm	1.3 – 1.5	2.1 – 2.4	2.95 – 3.35
Phenolphthalein alkalinity (ml)	6.1 ± 0.5 (1 % at 10 ml sample)		
m-Value (ml)	n/a		
Storage stability	+ 5°C to + 40°C		
Remarks regarding biocides	n/a		
Hazardous products	Lactic 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.