



<b>SPÜLFIX LIQUIDE CHLORINE FREE SA</b>	<b>Item no.:</b>  <b>00 12 47</b>
<b>Areas of application</b>	<p><b>Spülfix Liquid Chlorine Free SA</b> is a concentrated product for hygienic, thorough and careful cleaning of dishes and glasses in automatic industrial and domestic dishwashers.</p> <p><b>Spülfix Liquid Chlorine Free SA</b> is a mild alkaline highly effective agent working without problems in hard and soft water and without any formation of lather. One of the remarkable features of the agent is its excellent wetting power so that it can penetrate into the small gaps and pores, allowing uniform wetting of all dishes.</p> <p><b>Spülfix Liquid Chlorine Free SA</b> can be used for the effortlessly removal of proteins and fat from dishes, lipstick, egg and discolorations created by tea and coffee.</p>
<b>Method of application</b>	<p><b>Add the product with an automatic dosing system (time relay, volumetric control or control over conductivity):</b></p> <p>Concentration: 3.0 – 5.0 g/L (0.3 – 0.5 %)          Temperature: 55 – 90°C          Time: 1 – 3 minutes</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<b>Material compatibility</b>	<p>PVDF, PP, PE, Stainless Steel, Glass, Ceramic, iron and cast iron</p> <p><b>Spülfix Liquid Chlorine Free SA</b> must not be used on aluminium.</p> <p>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		according to the titration instructions	
Physical and chemical properties			
Aspect/colour	Clear	Slightly Yellowish – Yellowish	
Form	Liquid		
Odour	Characteristic		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.155 – 1.175		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	12.1 – 12.7	n/a	n/a
Conductance (1 %, 20°C) mS/cm	6.3 – 7.3	18.5 – 20.5	30.0 – 34.0
Phenolphthalein alkalinity (ml)	2.85 ± 0.2 (1 % at 10 ml sample)		
m-Value (ml)	n/a		
Storage stability	+ 5°C to + 40°C		
Remarks regarding biocides	n/a		
Hazardous products	Potassium Hydroxide / Sodium Hydroxide		
Risk symbols			
	DANGER		
Special remarks	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.  <b>Read in any case our safety data sheet before using the product!</b>		
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.