


**Product properties – Technical sheet**

<p><b>PASSIVATION S</b></p>	<p><b>Item no.:</b> <b>00 03 49</b></p>
<p><b>Areas of application</b></p>	<p><b>Passivation S</b> is used in all CIP cleaning processes in the food and beverage industry.</p> <p>In order to neutralize the alkalinity it is very important to rinse in a second step with a solution of <b>Passivation S</b>.</p> <p>Because of the acid character of this agent it is mostly used on stainless steel in order to prevent the surfaces, pipes and tanks from corrosion.</p>
<p><b>Method of application</b></p>	<p><b>Re-circulating pump system or CIP cleaning:</b></p> <p>Concentration: 1.0 – 5.0 %          Temperature: 5 – 40°C          Time: 5 – 10 minutes</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, PP, PE, PVC, Stainless Steel, Aluminium, Glass</p> <p><b>Passivation S</b> must not be used on steel, zinc, cast iron and marble.</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

<b>Analysis of concentration</b>	see titration method		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	Clear	Colourless	
<b>Form</b>	Liquid		
<b>Odour</b>	Odourless – Weak		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Not foaming		
<b>Phosphates</b>	Contained		
<b>Density (20°C) g/cm<sup>3</sup></b>	1.190 – 1.210		
<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>	1.7 – 2.3	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	5.7 – 6.7	12.2 – 14.2	19.2 – 21.2
<b>Phenolphthalein alkalinity (ml)</b>	6.3 ± 0.3 (1 % at 10 ml sample)		
<b>m-Value (ml)</b>	n/a		
<b>Storage stability</b>	- 5°C to + 40°C		
<b>Remarks regarding biocides</b>	n/a		
<b>Hazardous products</b>	Orthophosphoric acid / Nitric acid		
<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.