


**Product properties – Technical sheet**

<p><b>ADDITIVE TP 1</b></p>	<p><b>Item no.:</b> <b>00 09 28</b></p>
<p><b>Areas of application</b></p>	<p><b>Additive TP 1</b> is a high concentrated additive for alkaline bath in alkaline washing processes.</p> <p><b>Additive TP 1</b> is based on special agents to absorb the water hardness and to stabilize the alkalic bath. Special detergents are responsible for better wetting of the residues and reduce the foam formation in the lye.</p> <p><b>Additive TP 1</b> activates and increases the cleansing efficiency of the alkaline cleaning solution.</p> <p><b>Additive TP 1</b> is used as additive to alkaline or acid solutions in pumping or CIP processes.</p> <p><b>Additive TP 1</b> works catalytically.</p>
<p><b>Method of application</b></p>	<p><b>CIP or Re-circulating cleaning system:</b></p> <p>Concentration: 0.1 – 0.5 % (as an additive into the cleansing solution)          Temperature: 50 – 85°C          Time: 15 – 30 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>Additive TP 1</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>

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<b>Analysis of concentration</b>	according to the titration instructions		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	Clear	Colourless	
<b>Form</b>	Liquid		
<b>Odour</b>	Weak, Characteristic		
<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>	1.085 – 1.105		
<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>	1.8 – 2.4	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	3.0 – 3.4	6.0 – 6.7	9.0 – 10.0
<b>Phenolphthalein alkalinity (ml)</b>	3.55 ± 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>	Fatty alcohol alcoxyolate / Orthophosphoric acid / 2-(2-butoxyethoxy) ethanol		
<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.