


Product properties – Technical sheet

<p>AK PROTECTION</p>	<p>Item no.: 80 50 20</p>
<p>Areas of application</p>	<p>AK Protection is a mild acid, high concentrated agent to be used in the rinsing section of cleaning plants, especially for aqueous spray, flooding and immersion cleaning processes.</p> <p>AK Protection is especially suitable for the application of crates made from plastic and other plastic surfaces.</p> <p>AK Protection increases the absorbency of dirt particles and the bonding of residual salts in the rinsing liquors.</p> <p>AK Protection contains a special combination of detergents to reduce the surface tension and to increase the dry process.</p>
<p>Corrosion protection</p>	<p>AK Protection hasn't any components for corrosion protection to prevent sensitive material from corrosion.</p>
<p>Method of application</p>	<p>Add the product with an automatic dosing system (time relay, volumetric control) into the rinsing bath:</p> <p>Concentration: 0.2 – 0.5 % Temperature: 20 - 60° C Time: 1 – 3 minutes</p>
<p>Material compatibility</p>	<p>Stainless steel, non-ferrous metals, aluminium, PE, PP, POM, PMMA and PC.</p> <p>AK Protection must not be used on steel and cast iron.</p> <p>Before using the product on other plastic, especially Perspex, please test the product on an unimportant spot before its definite use.</p>

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Analysis of concentration	n/a		
Physical and chemical properties			
Aspect/colour	Slightly Cloudy	Slightly Brownish – Brownish	
Form	Liquid		
Odour	Characteristic		
Foaming behaviour <small>(see under conditions of application)</small>	Not Foaming		
Phosphates	n/a		
Density (20°C) g/cm³	0.990 – 1.010		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	3.5 – 4.1	n/a	n/a
Conductance (1 %, 20°C) mS/cm	n/a	n/a	n/a
Phenolphthalein alkalinity (ml)	3.0 ± 1.0 (1 % at 1000 ml sample)		
m-Value (ml)	n/a		
Storage stability	+ 10°C to + 45°C		
Remarks regarding biocides	n/a		
Hazardous products	2-butoxyethanol / Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized		
Risk symbols			
	WARNING		
Special remarks	<p>Protect from frost! Store only in the original bundle. 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.