



Product properties – Technical sheet

<p>ALU CLEANER SX</p>	<p>Item no.: 00 02 34</p>
<p>Areas of application</p>	<p>Alu Cleaner SX is a concentrated cleanser for the careful removal of organic deposits on aluminium surfaces.</p> <p>Despite the relatively high pH value the inhibitors which are added to the product largely prevent the aluminium from being affected.</p> <p>Alu Cleaner SX contains high active chlorine.</p> <p>Alu Cleaner SX is especially designed to clean transport boxes, tanks, machines and tools made of aluminium.</p> <p>Not foaming detergents allow obtaining not foaming cleansing solutions particularly suitable for spray or CIP cleaning systems.</p>
<p>Method of application</p>	<p>Re – circulating pump system or CIP cleaning. Add the product with an automatic dosing system (time relay, volumetric control or control over conductivity):</p> <p>Concentration: 1.0 – 3.0 % Temperature: cold – 80°C Time: 20 – 30 minutes</p> <p>Manual cleaning: To clean the tanks and equipment, brush with a solution of 1.0 – 2.0 %.</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p> <p>In case of insufficient rinsing in the 'dead areas' of the plant equipment and pipes or in gaps e.g. under seals it could come to the enrichment of chloride ions which can lead at pH values < 7 to pit, hole and intergranular corrosion at stainless steel!</p>
<p>Material compatibility</p>	<p>PVDF, PP, PE, Aluminium, Stainless Steel, Glass, ceramic.</p> <p>Alu Cleaner SX must not be used on steel and cast iron. 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	Chlorine-like		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	Contained		
Density (20°C) g/cm³	1.255 – 1.285		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	12.0 – 12.6	n/a	n/a
Conductance (1 %, 20°C) mS/cm	5.0 – 6.0	13.5 – 15.5	22.0 – 26.0
Phenolphthalein alkalinity (ml)	6.0 ± 0.45 (1 % at 30 ml sample)		
m-Value (ml)	n/a		
Storage stability	+ 5°C to + 40°C		
Remarks regarding biocides	n/a		
Hazardous products	Potassium Hydroxide / Sodium hypochlorite solution / Sodium Hydroxide		
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.