



ALU CLEANER SX	Item no.: 00 02 34
Areas of application	<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 has additional disinfectants which allow obtaining sterile surfaces after cleaning.</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>
Method of application	<p>Re – circulating pump system or CIP cleaning. Add the product with an automatic dosing system (time relay, volumetric control or control over conductivity): Concentration: 10.0 – 30.0 g/L (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 10.0 – 20.0 g/l (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>
Material compatibility	<p>PVDF, PP, PE, PVC, 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>

Analysis of concentration	see titration method		
Physical and chemical properties			
Aspect/colour	Yellowish		
Form	Liquid		
Odour	Chlorine-like		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	Yes		
Density (20°C) g/cm³	1.260 – 1.280		
Concentration	1% in H₂O dest.	3% in H₂O dest.	5% in H₂O dest.
pH value (1%, 20°C)	12.0 – 12.6	not applicable	not applicable
Conductance (1%, 20°C) mS/cm	5.0 – 6.0	13.5 – 15.5	22.0 – 26.0
Phenolphthalein alkalinity (ml)	10. ± 0.5 (1 % at 50 ml sample)		
m-Value (ml)	not applicable		
Storage stability	+ 5° C – + 40° C		
Remarks regarding biocides	Biocides reliably use. Before use always read marking and product information! The product contains: 30 g/kg active Cl		
Hazardous products and risk symbols	Potassium Hydroxide Sodium hypochlorite solution Sodium Hydroxide	 DANGER	 WARNING
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. Read in any case our safety data sheet before using the product!		
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.