



Product properties – Technical sheet

<h1>ALU CLEANER</h1>	<p>Item no.: 40 70 00</p>
<h3>Areas of application</h3>	<p>Alu Cleaner is a highly active product with a foam-controlled behaviour to be used for the removal of beer impurities, yeast plant residues, oxidised protein deposits and slight beer scale in aluminium tanks, aluminium beer drums, mash tuns, and whirlpools.</p> <p>Alu Cleaner is especially suitable for the cleaning of barrels and surfaces made from aluminium.</p> <p>Alu Cleaner is because of the special combination of anti-scaling agents and not foaming ingredients particularly suitable for the cleaning of filling and heating systems as well as stainless steel pipe systems and tanks in food industry.</p> <p>Alu Cleaner must be used in atmosphere free of CO₂</p>
<h3>Method of application</h3>	<p>Re-circulating or CIP system Concentration: 1.0 – 3.0 % Temperature: cold – 90°C Time: 15 – 30 min.</p> <p>Cleaning of barrels Concentration: 2.0 % Temperature: cold – 90°C Time: 2 – 3 min.</p> <p>Manual cleaning Concentration: 1.0 – 2.0 % Temperature: cold – 40°C Time: 1 – 5 min.</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<h3>Material compatibility</h3>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Cast Iron, Tiles and Aluminium.</p> <p>Alu Cleaner must not be used on zinc. 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	Granular	White	
Form	Powder		
Odour	Characteristic		
Foaming behaviour <small>(see under conditions of application)</small>	Not foaming		
Phosphates	Contained		
Bulk density (20°C) g/l	750.0 – 950.0		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	12.1 – 12.7	not applicable	not applicable
Conductance (1 %, 20°C) mS/cm	10.5 – 12.5	25.0 – 31.0	40.0 – 50.0
Phenolphthalein alkalinity (ml)	3.9 ± 0.3 (1 % at 5 ml sample)		
m-Value (ml)	not applicable		
Storage stability	- 10°C to + 40°C		
Remarks regarding biocides	not applicable		
Hazardous products	Disodium metasilicate, pentahydrate		
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.