


## Product properties – Technical sheet

<h3>TANK CLEANER A EXTRA CHLORINE FREE</h3>	<b>Item no.:</b>  <b>40 60 03</b>
<h4>Areas of application</h4>	<p><b>CONCENTRATED CLEANER FOR THE ALKALINE CLEANING OF TANK AND PIPE SYSTEMS IN THE FOOD AND BEVERAGE INDUSTRY.</b></p> <p>Because of the special combination of anti-scale agents and special complexing agents <b>Tank Cleaner A EXTRA Chlorine Free</b> is particularly suitable for the cleaning of filling and heating systems as well as pipe systems and tanks in food and beverage industry.</p> <p><b>Tank Cleaner A Extra Chlorine Free</b> easily removes yeast plants, mildew, protein residues as well as slight tartar deposits.</p>
<h4>Method of application</h4>	<p><b>1. Fill the containers to be cleaned with the solution:</b>        Approx. 5 - 6 kg per 1,000 l water (5 – 6 g/l).        Leave the solution to work 2 - 4 days.</p> <p><b>2. Re-circulating pump system or CIP cleaning:</b>        For a tank volume of 5,000 l dilute Tank Cleaner with 400 - 500 l water in a ratio of 20 g/l (2.0 %), and re-circulate during approx. 30 - 60 minutes with low or high pressure using a spray nozzle.</p> <p><b>3. Manual Cleaning:</b>        Brush the tank with a solution of 5g/l (0.5 %)</p> <p><b>Temperature:</b> cold – 90°C</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<h4>Material compatibility</h4>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Tiles, MUNKADUR CLASSIC (until 3.0 %), MUNKADUR GL US (until 3.0%)</p> <p><b>Tank Cleaner A Extra Chlorine Free</b> must not be used on aluminium and non-ferrous metal.</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	Slightly Brownish – Brownish	
<b>Form</b>	Liquid		
<b>Odour</b>	Odourless		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Not Foaming		
<b>Phosphates</b>	n/a		
<b>Density (20°C) g/cm<sup>3</sup></b>	1,360 – 1,390		
<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>	12.4 – 13.0	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	17.0 – 20.0	49.0 – 55.0	78.0 – 88.0
<b>Phenolphthalein alkalinity (ml)</b>	4.25 ± 0.25 (1 % at 5 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>	Sodium Hydroxide		
<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.