


## Product properties – Technical sheet

<h1>TARTRATE CRYSTAL REMOVER P</h1>	<b>Item no.:</b>  <b>40 62 00</b>
<h3>Areas of application</h3>	<p><b>Tartrate Crystal Remover P</b> is a foam regulated, highly active product for the removal of tartar, mould, deposits of fining agents, gelatine and yeast in tanks of refined steel and special synthetic material (resistant for alkaline solutions), as well as tanks with glass plates or cement lining.</p> <p><b>Tartrate Crystal Remover P</b> is suitable in all areas of water hardness.</p> <p><b>Tartrate Crystal Remover P</b> additionally removes yeast plants, mildew, protein residues as well as tartar deposits.</p>
<h3>Method of application</h3>	<p><b>1. Soaking process:</b> 5 - 6 kg of <b>Tartrate Crystal Remover P</b> is added to every 1,000 l of water; the dose can be increased in the case of more serious accumulations. The time for working is 2 - 4 days depending on the type of tartar. The tank should then be thoroughly sprayed out with a powerful jet of water.</p> <p><b>2. Pumping or CIP-process:</b> 3 – 7 % solution of <b>Tartrate Crystal Remover P</b> is applied with 400 - 500 l of water for every 5,000 l of tank-volume. This is then pumped around by means of a spray-head at low or high pressure. The tank should then be thoroughly sprayed out with a powerful jet of water.</p> <p>Depending on the degree of contamination, the cleansing solution can be used for more than one tank by adding more powder. In the case of deposits of carbonate a special cleansing with <b>Passivation S</b> can be carried out if necessary.</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, Stainless Steel, Glass, Cast Iron, Tiles, MUNKADUR CLASSIC (until 6.0 %), MUNKADUR GL US (until 6.0%)</p> <p><b>Tartrate Crystal Remover P</b> must not be used on aluminium. 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>	Granular	White	
<b>Form</b>	Powder		
<b>Odour</b>	Odourless		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Not Foaming		
<b>Phosphates</b>	n/a		
<b>Bulk density (20°C) g/l</b>	1,050.0 – 1,200.0		
<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>	12.8 – 13.4	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	46.0 – 52.0	120.0 – 135.0	195.0 – 215.0
<b>Phenolphthalein alkalinity (ml)</b>	11.75 ± 0.75 (1 % at 5 ml sample)		
<b>m-Value (ml)</b>	n/a		
<b>Storage stability</b>	- 20°C to + 40°C		
<b>Remarks regarding biocides</b>	n/a		
<b>Hazardous products</b>	sodium hydroxide / Sodium Hydroxide / Disodium metasilicate, pentahydrate		
<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.