



## Product properties – Technical sheet

<h1>HYDROSAN</h1>	<p><b>Item no.:</b> <b>41 37 20</b></p>
<h3>Areas of application</h3>	<p><b>Hydrosan</b>, on the basis of activated atomic oxygen, is used for cold and hot disinfection.</p> <p>Aluminium, chromium nickel steels, copper, brass, tin and zinc are not attacked when the doses stipulated for the disinfection of tanks, pipelines, barrels, plate coolers, filters and fillers as well as packaging and processing machines.</p> <p>After reaction with germs <b>Hydrosan</b> decomposes and leaves harmless oxygen and water residues.</p>
<h3>Method of application</h3>	<p><b>Cold disinfection:</b> 20°C, in the case of standing solutions over 24 hours 0.3 % solutions. In the case re-pumped solutions 30 minutes with 3 %.</p> <p><b>Surface disinfection:</b> 20 - 30 g/l (2,0 - 3,0 %), cold, 30 minutes</p> <p><b>Hot disinfection:</b> 60 – 70°C, 30 minutes, 0.5 %.</p> <p><b>Fast disinfection:</b> With hot steam 0.1 %.</p> <p>To avoid re-infection the necessary re-rinsing should be carried out most expediently only shortly before using the disinfected object.</p> <p>The dosage of 50 - 60 g/m<sup>3</sup> is recommended for treating drinking water (de-ionisation and disinfection).</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p> <p>High concentration of chloride ions in the used water can lead to hole and intergranular corrosion at stainless steel when the time of application is longer as described in this data sheet.</p> <p>Different metals in the system can lead to corrosion if the product is used in recirculation systems for a long time.</p>
<h3>Material compatibility</h3>	<p>PVDF, PVC, PP, PE, Stainless Steel, Glas, MUNKADUR CLASSIC (until 3.0 %), MUNKADUR GL US (until 3.0%)</p> <p><b>Hydrosan</b> must not be used on steel, non-ferrous metal and cast iron. 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	Colourless	
<b>Form</b>	Liquid		
<b>Odour</b>	Weak, Characteristic		
<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>	1.125 – 1.145		
<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>	5.0 – 7.0	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	n/a	n/a	n/a
<b>Phenolphthalein alkalinity (ml)</b>	n/a		
<b>m-Value (ml)</b>	n/a		
<b>Storage stability</b>	+ 5°C to + 30°C		
<b>Remarks regarding biocides</b>	<p><b>Use biocides safely. Always read the label and product information before use!</b></p> <p><b>The product contains: 350 g/kg Hydrogen peroxide</b></p>		
<b>Hazardous products</b>	Hydrogen peroxide		
<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.