



HYDROSAN	Item no.: 41 37 20
Areas of application	<p>Hydrosan, 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 Hydrosan decomposes and leaves harmless oxygen and water residues.</p>
Method of application	<p>Cold disinfection: 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>Hot disinfection: 60 - 70°C, 30 minutes, 0.5%.</p> <p>Fast disinfection: 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/m³ is recommended for treating drinking water (de-ionisation and disinfection). After having used the product rinse thoroughly with drinking water to remove any possible residues! 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. Different metals in the system can lead to corrosion if the product is used in re-circulation systems for a long time.</p>
Material compatibility	<p>PVDF</p> <p>Hydrosan 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	Colourless		
Form	Liquid		
Odour	Odourless		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	None		
Density (20°C) g/cm³	1.125 – 1.145		
Concentration	1% in H₂O dest.	3% in H₂O dest.	5% in H₂O dest.
pH value (1%, 20°C)	4.5 – 6.5	not applicable	not applicable
Conductance (1%, 20°C) mS/cm	not applicable	not applicable	not applicable
Phenolphthalein alkalinity (ml)	not applicable		
m-Value (ml)	not applicable		
Storage stability	+ 5° C – + 30° C		
Remarks regarding biocides	Biocides reliably use. Before use always read marking and product information! The product contains: 350 g/kg Hydrogen peroxide		
Hazardous products and risk symbols	Hydrogen peroxide	 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.