


Product properties – Technical sheet

<p>TANK CLEANER DLW FREE OF PHOSPHATES</p>	<p>Item no.: 00 11 59</p>
<p>Areas of application</p>	<p>Tank Cleaner DLW is because of the appropriate combination of anti-scale agents and not foaming ingredients particularly suitable for all CIP and re-circulating cleaning operations.</p> <p>Tank Cleaner DLW is based on mild organic acids, free of phosphates, especially environment-friendly and gentle to the surfaces.</p> <p>Tank Cleaner DLW is especially developed for the cleaning in breweries, dairies and distilleries.</p> <p>Tank Cleaner DLW allows easily removing with CIP of all stubborn residues of yeast plants, beer scale, milk stone, and mashing scale. The main areas of application are cone-shaped cylindrical fermentation tanks, storage tanks and floatation tanks.</p> <p>Tank Cleaner DLW is suitable for aluminium, stainless steel and plastic tanks.</p>
<p>Method of application</p>	<p>Re-circulating cleaning system, also suitable for systems with CO₂ atmosphere:</p> <p>If the product is used for the cleaning of beer barrels, the temperature should have 60 – 80°C and staying time has to be 1 – 3 minutes.</p> <p>Concentration: 1.0 – 5.0 % Temperature: cold – 40°C Time: 20 – 40 minutes</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<p>Material compatibility</p>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Aluminium</p> <p>Tank Cleaner DLW must not be used on steel and cast iron.</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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Analysis of concentration	according to the titration instructions		
Physical and chemical properties			
Aspect/colour	Clear	Colourless – Bluish	
Form	Liquid		
Odour	Pungent		
Foaming behaviour (see under conditions of application)	Not Foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.105 – 1.125		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	1.8 – 2.4	n/a	n/a
Conductance (1 %, 20°C) mS/cm	3.75 – 4.25	9.3 – 10.3	13.5 – 15.5
Phenolphthalein alkalinity (ml)	5.0 ± 0.5 (1 % at 10 ml sample)		
m-Value (ml)	n/a		
Storage stability	- 5°C to + 40°C		
Remarks regarding biocides	n/a		
Hazardous products	Sulphamic acid		
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.