


## Product properties – Technical sheet

<p><b>CIP CLEANER MSA</b></p>	<p><b>Item no.:</b> <b>00 15 69</b></p>
<p><b>Areas of application</b></p>	<p><b>CIP Cleaner MSA</b> is particularly suitable for all CIP and re-circulating cleaning operations in breweries, dairies and distilleries, because of the appropriate combination of anti-scale agents and not foaming ingredients.</p> <p><b>CIP Cleaner MSA</b> allows easily removing with CIP all stubborn residues of yeast plants, beer scale, milk stone, and mashing scale.</p> <p>The main areas of application are cone-shaped cylindrical fermentation tanks, storage tanks and floatation tanks.</p> <p><b>CIP Cleaner MSA</b> is suitable for aluminium, stainless steel and plastic tanks.</p> <p><b>CIP Cleaner MSA</b> combines following advantages:</p> <ul style="list-style-type: none"> <li>▪ Particular mild to all relevant surfaces</li> <li>▪ High cleaning power</li> <li>▪ Odourless</li> <li>▪ Colourless</li> <li>▪ Free of relevant waste water pollutant (sulphates, phosphates and nitrates)</li> <li>▪ In particular biodegradable</li> </ul>
<p><b>Method of application</b></p>	<p><b>Re-circulating cleaning system, also suitable for systems with CO<sub>2</sub> atmosphere:</b></p> <p>Concentration: 1.0 – 5.0 %          Temperature: cold – 80°C          Time: 20 – 40 minutes</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<p><b>Material compatibility</b></p>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Aluminium</p> <p><b>CIP Cleaner MSA</b> 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>

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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>	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>	1.065 – 1.085		
<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>	1.7 – 2.3	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	6.0 – 8.0	18.5 – 21.5	31.0 – 35.0
<b>Phenolphthalein alkalinity (ml)</b>	5.7 ± 0.5 (1 % at 30 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>	Methanesulphonic acid		
<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.