


Product properties – Technical sheet

<p>WATER SOFTENER FOR CIRCULATING COOLING SYSTEMS</p>	<p>Item no.: 00 06 85</p>
<p>Areas of application</p>	<p>Not foaming, concentrated agent used to inhibit the formation of scale in sinks and at the spray nozzles of cooling systems.</p> <p>Highly active agents and passivation inhibitors protect against corrosion and formation of scale.</p> <p>The absorption of calcium- and magnesium ions guarantees 100 % efficiency of the plant.</p> <p>The product is used in cooling systems, air cleaning systems, testing waters, sea water desalination plants and pipe systems.</p> <p>The product is also suitable for high-temperature applications.</p>
<p>Method of application</p>	<p>Dosing over automatic metering (time relay or volumetric control):</p> <p>Concentration: 4 g per m³ water and °dH – max. 150 g/m³ Temperature: cold – 80°C Time: the product remains in the process</p>
<p>Material compatibility</p>	<p>PVDF, PP, PE, PVC, Glass, Stainless Steel, Steel (black)*, Cast Iron* and Aluminium</p> <p>* The dosage recommendation must be followed to maintain neutral pH-value. Overdosing leads to acidic conditions and would cause corrosion in this materials!</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	see titration method		
Physical and chemical properties			
Aspect/colour	Clear	Colourless	
Form	Liquid		
Odour	Odourless		
Foaming behaviour <small>(see under conditions of application)</small>	Not foaming		
Phosphates	not applicable		
Density (20°C) g/cm³	1.060 – 1.080		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	2.1 – 2.7	not applicable	not applicable
Conductance (1 %, 20°C) mS/cm	1.7 – 2.0	4.35 – 4.85	7.0 – 7.7
Phenolphthalein alkalinity (ml)	6.6 ± 0.5 (1 % at 30 ml sample)		
m-Value (ml)	Not applicable		
Storage stability	+ 5°C to + 40°C		
Remarks regarding biocides	Not applicable		
Hazardous products	2-phosphonobutane-1,2,4-tricarboxylic acid		
Risk symbols			
	WARNING		
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.