



**Product properties – Technical sheet**

<p><b>CARBOCID PROGRESS</b></p>	<p><b>Item no.:</b> <b>60 50 18</b></p>
<p><b>Areas of application</b></p>	<p><b>ESPECIALLY DEVELOPED FOR THE USE IN THE FOOD- AND BEVERAGE-INDUSTRY</b></p> <p><b>Carbocid PROGRESS</b> is an acid, liquid cleaner for the application in the food and beverage industry.</p> <p><b>Carbocid PROGRESS</b> has following advantages:</p> <ul style="list-style-type: none"> <li>◆ automatic dosing according to conductivity</li> <li>◆ usable for CIP</li> <li>◆ application in cold temperature</li> <li>◆ free of phosphates</li> <li>◆ odourless in application</li> </ul> <p><b>Carbocid PROGRESS</b> is usable for the cleaning of tanks, pipes and all equipment as well as for the cleaning of the fermentation and pressure tanks in the beverage industry.</p>
	<p><b>Concentration:</b> 0.5 – 1.5 %  <b>Temperature:</b> 10 – 60°C  <b>Time:</b> 15 – 30 minutes  <b>Application:</b> Re-circulating or CIP</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p> <p>In case of insufficient rinsing in the 'dead areas' of the plant equipment and pipes or in gaps e.g. under seals it could come to the enrichment of chloride ions which can lead at pH values &lt; 7 to pit, hole and intergranular corrosion at stainless steel!</p>
<p><b>Material compatibility</b></p>	<p>PVDF, PTFE, PFA, PVC, PP, PE, Stainless Steel, Glass, Tiles</p> <p><b>Carbocid PROGRESS</b> must not be used on steel, cast iron and non-ferrous metals.          In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p>

## Product properties – Technical sheet

<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>	1.095 – 1.115		
<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>	1.6 – 2.2	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	7.3 – 8.3	18.5 – 21.5	30.0 – 35.0
<b>Phenolphthalein alkalinity (ml)</b>	2.8 ± 0.3 (1 % at 10 ml sample)		
<b>m-Value (ml)</b>	n/a		
<b>Storage stability</b>	+ 5°C to + 30°C		
<b>Remarks regarding biocides</b>	n/a		
<b>Hazardous products</b>	Sulfuric acid solution / 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.