



## Product properties – Technical sheet

<p><b>CARBOCID QV</b></p>	<p><b>Item no.:</b> <b>60 50 16</b></p>																																	
<p><b>Areas of application</b></p>	<p><b>LISTED ON IHO LIST OF DISINFECTANTS FOR FOOD PRODUCTION</b></p> <p><b>Carbocid QV</b> is a neutral disinfectant with very good bactericidal effect.</p> <p><b>Carbocid QV</b> must be used after the cleaning process.</p> <p><b>Carbocid QV</b> is particularly suitable for the removal of bacteria, yeast plants and moulds in food industry equipment (wine producers, breweries, soft drink industry, poultry industry, meat and meat processing industry).</p>																																	
<p><b>Method of application</b></p>	<p><b>Usual concentration:</b> 5 – 15 g/l (0.5 – 1.5 %) <b>Temperature:</b> cold – 80°C</p> <table border="1" data-bbox="587 1084 1538 1330"> <thead> <tr> <th colspan="3">Test conditions</th> <th colspan="4">Tests</th> </tr> <tr> <th></th> <th>Temperature</th> <th>Contamination</th> <th>DIN EN 1276 Bactericidal %/ min</th> <th>DIN EN 1650 Fungicidal %/ min</th> <th>DIN EN 13697 Bactericidal %/ min</th> <th>DIN EN 13697 Fungicidal %/ min</th> </tr> </thead> <tbody> <tr> <td>CIP</td> <td>20°C</td> <td>low</td> <td>1 / 5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Surface</td> <td>20°C</td> <td>low</td> <td>1 / 5</td> <td>0,2 / 15</td> <td>2 / 15</td> <td>1,5 / 15</td> </tr> </tbody> </table> <p><b>The concentration of the product depends on the time of application, temperature of the cleaning solution and type of micro-organism.</b></p> <p><b>Rinsing:</b> It is necessary to use for the rinsing process hot water of drinking water quality, because the product contains quaternary ammonium compounds (QAV). These compounds are difficult to rinse-off. In the technical application it is questionable if it is possible to rinse-off all residues up to a zero value!!</p>						Test conditions			Tests					Temperature	Contamination	DIN EN 1276 Bactericidal %/ min	DIN EN 1650 Fungicidal %/ min	DIN EN 13697 Bactericidal %/ min	DIN EN 13697 Fungicidal %/ min	CIP	20°C	low	1 / 5				Surface	20°C	low	1 / 5	0,2 / 15	2 / 15	1,5 / 15
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<p><b>Material compatibility</b></p>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Tiles</p> <p><b>Carbocid QV</b> must not be used on plastic, especially perspex. 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>	Weak, Characteristic		
<b>Foaming behaviour</b> <small>(see under conditions of application)</small>	Foaming		
<b>Phosphates</b>	n/a		
<b>Density (20°C) g/cm<sup>3</sup></b>	0.980 – 1.000		
<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>	5.5 – 7.5	n/a	n/a
<b>Conductance (1 %, 20°C) mS/cm</b>	n/a	n/a	n/a
<b>Phenolphthalein alkalinity (ml)</b>	n/a		
<b>m-Value (ml)</b>	n/a		
<b>Storage stability</b>	+ 5°C to + 30°C		
<b>Remarks regarding biocides</b>	Use biocides safely. Always read the label and product information before use! The product contains: 34 g/kg Didecyldimethylammoniumchloride, 34 g/kg Alkyldimethylbenzylammonium chloride, 34 g/kg Alkyldimethyl(ehtylbenzyl)ammonium chloride		
<b>Hazardous products</b>	Didecyldimethylammoniumchloride / Alkylmethylethylbenzylammoniumchloride / Quaternary ammoniumcompounds,benzyl-C12-C16-alkyl dimethylchloride		
<b>Risk symbols</b>			
	<b>DANGER</b>		
<b>Special remarks</b>	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. <b>Read in any case our safety data sheet before using the product!</b>		
<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.