



<b>CARBOCID ST-RIL</b>	<b>Item no.:</b>  <b>00 12 27</b>
<b>Areas of application</b>	<p><b>Carbocid ST-RIL</b> is a mild high active cleansing concentrate, especially developed for tanks, pipes and surfaces in the food and beverage industry.</p> <p><b>Carbocid ST-RIL</b> accomplishes deep pore cleaning because of the combination of special ingredients. The product avoids layers of limestone and comes to hygienic surfaces.</p> <p><b>Carbocid ST-RIL</b> is particularly suitable for the removal of all organic residues in food industry equipment (wine producers, breweries, soft drink industry, meat and meat processing industry).</p> <p><b>Carbocid ST-RIL</b> is based on special agents to prevent the surfaces from spots caused by water hardness.</p>
<b>Method of application</b>	<p><b>CIP- and Re-circulating processes:</b>          Concentration: 1.0 – 1.5 %          Temperature: 30 – 80°C          Time: 30 – 60 minutes</p> <p><b>Manual application or using a spraying system:</b>          Concentration: 2.0 – 3.0 %          Temperature: 30 – 50°C          Time: 15 – 30 minutes</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>
<b>Material compatibility</b>	<p>PVDF, PP, PE, PVC, stainless steel, glass, tiles and in some cases aluminium.</p> <p><b>Carbocid ST-RIL</b> must not be used on plastic, especially perspex.</p> <p>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

Analysis of concentration		according to the titration instructions	
Physical and chemical properties			
Aspect/colour	Clear	Colourless	
Form	Liquid		
Odour	Weak, Characteristic		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	Contained		
Density (20°C) g/cm³	1.010 – 1.030		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	9.3 – 10.3	n/a	n/a
Conductance (1 %, 20°C) mS/cm	n/a	n/a	n/a
Phenolphthalein alkalinity (ml)	n/a		
m-Value (ml)	3.7 ± 1.0 (1 % at 50 ml sample)		
Storage stability	+ 5°C to + 30°C		
Remarks regarding biocides	n/a		
Hazardous products	Quaternary ammonium compounds,benzyl-C12-C16-alkyl dime- thylchloride		
Risk symbols			
	WARNING		
Special remarks	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.  Read in any case our safety data sheet before using the product!		
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.