



<b>BARREL CLEANER R</b>	<b>Item no.:</b>  <b>40 50 00</b>
<b>Areas of application</b>	<p><b>Barrel Cleaner R</b> is a liquid, foam regulated and highly active product for the removal of tartar, mould, deposits of fining agents, gelatine and yeast in wooden barrels.</p> <p><b>Barrel Cleaner R</b> is a strongly alkaline cleansing agent for the removal of tan, decolouring and treatment of old unusable and mouldy wine barrels in cold or brewing processes.</p>
<b>Method of application</b>	<p><b>Brewing process:</b>          0.5 – 1.0 kg <b>Barrel Cleaner R</b> is added to every 100 litres of boiling water. The barrel is then rocked with the hot cleaning solution in it for 30 minutes then emptied and immediately cleansed for 30 minutes with hot water but without the addition of <b>Barrel Cleaner R</b>. After a thorough spray with cold water, the barrel is filled with water and left to soak for 24 hours to remove the rest of the tan.</p> <p><b>Cold process:</b>          Leave the barrel full of water to soak for 1 to 2 days. Then let out 50 to 100 litres water. Add 5.0 kg of <b>Barrel Cleaner R</b> for every 1,000 litres of barrel-volume and fill with water again up to above the bung-hole; let the solution stand for 1 to 2 days: empty barrel, spray it out thoroughly with cold water; let the barrel soak again for 1 to 2 days (with water): if darkening occurs, repeat the last process. When the cleansing is finished, make a taste-trial.          After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<b>Material compatibility</b>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Cast Iron, Tiles</p> <p><b>Barrel Cleaner R</b> must not be used on aluminium.          In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p>

<b>Analysis of concentration</b>	see titration method		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	Colourless		
<b>Form</b>	Liquid		
<b>Odour</b>	Odourless		
<b>Foaming behaviour</b> (see under conditions of application)	Not foaming		
<b>Phosphates</b>	None		
<b>Bulk density (20°C) g/l</b>	1,340 – 1,370		
<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>	12.4 – 13.0	not applicable	not applicable
<b>Conductance (1%, 20°C) mS/cm</b>	16.0 – 20.0	47.0 – 54.0	77.0 – 87.0
<b>Phenolphthalein alkalinity (ml)</b>	8.1 ± 0.5 (1 % at 10 ml sample)		
<b>m-Value (ml)</b>	not applicable		
<b>Storage stability</b>	+ 5° C – + 40° C		
<b>Remarks regarding biocides</b>	<b>Not applicable</b>		
<b>Hazardous products and risk symbols</b>	Sodium Hydroxide   <b>DANGER</b> <b>WARNING</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.