


**Product properties – Technical sheet**

<p><b>ADDITIVE ES C 50</b></p>	<p><b>Item no.:</b> <b>40 33 17</b></p>
<p><b>Areas of application</b></p>	<p><b>Additive ES C 50</b> is a high concentrated defoamer for alkaline bathes in bottle washing machines and alkaline washing processes.</p> <p><b>Additive ES C 50</b> is used in breweries, soft drinks industry, dairies and wine producers.</p> <p>Subsequent product addition depends on the foam capacity of the alkaline bathes.</p> <p><b>Additive ES C 50</b> does not include any phosphates and is suitable for phosphate free bottle cleaning.</p> <p><b>Additive ES C 50</b> activates and increases the cleansing efficiency of the alkaline cleaning solution.</p>
<p><b>Method of application</b></p>	<p><b>Add the product with an automatic dosing system (time relay, volumetric control) into the alkaline bathes of the bottle washing machine:</b></p> <p><b>According the formation of foam:</b>                  Concentration: 0,01 – 0,05 %                  Temperature: 40 – 90°C                  Time: 10 – 20 min.</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<p><b>Material compatibility</b></p>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Steel, Cast Iron</p> <p><b>Additive ES C 50</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>

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<b>Analysis of concentration</b>	Via Photometry		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	Clear	Colourless – Slightly Brownish	
<b>Form</b>	Liquid		
<b>Odour</b>	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>	1,000 – 1,020		
<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>	6.0 – 8.0	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 + 40°C		
<b>Remarks regarding biocides</b>	n/a		
<b>Hazardous products</b>	2-(2-butoxyethoxy)ethanol / Fatty alcohol alcoxylate		
<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.