



ADDITIVE BO	Item no.: 00 09 13
Areas of application	<p>Additive BO is a mild alkaline powder, freely soluble, to increase the cleansing capacity of alkaline solutions in the beverage industry.</p> <p>Additive BO can especially be used in alkaline cleansing processes, as well as for the removal of caked organic residues like in the fruit industry.</p> <p>Additive BO can also be used to remove caked yeast residues in bottles of wheat beer, protein, hop and tannin.</p> <p>Additive BO is chlorine-free; the decolouring effect is achieved with atomic oxygen.</p> <p>Additive BO contains hardness binders which prevent the precipitation of calcium and magnesium ions; used together with special active cleansing agents the product ensures a good cleaning effect without any residues.</p>
Method of application	<p>The powder must be dissolved in warm water. Than add the solution into the alkaline cleansing solution.</p> <p>Concentration: 1.0 – 5.0 g/l (0.1 – 0.5 %) into the alkaline bath Temperature: 50 – 85° C Time: 15 – 30 minutes</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
Material compatibility	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Tiles</p> <p>Additive BO must not be used on aluminium.</p> <p>In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p>

Analysis of concentration	see titration method		
Physical and chemical properties			
Aspect/colour	Whitish		
Form	Powder		
Odour	Characteristic		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	Yes		
Bulk density (20°C) g/l	1,050.0 – 1,150.0		
Concentration	1% in H₂O dest.	3% in H₂O dest.	5% in H₂O dest.
pH value (1%, 20°C)	10.3 – 10.9	not applicable	not applicable
Conductance (1%, 20°C) mS/cm	9.4 – 10.4	22.5 – 25.5	35.0 – 40.0
Phenolphthalein alkalinity (ml)	not applicable		
m-Value (ml)	not applicable		
Storage stability	+ 5° C – + 30° C		
Remarks regarding biocides	Not applicable		
Hazardous products and risk symbols	Sodiumcarbonate Peroxyhydrate   DANGER WARNING		
Special remarks	<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>Read in any case our safety data sheet before using the product!</p>		
Disposal	Disposal acc. to official regulations, in case of doubt contact the manufacturer.		
<p>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.</p>			