


Product properties – Technical sheet

<p>VR ADDITIVE FOR LYE</p>	<p>Item no.: 40 33 52</p>
<p>Areas of application</p>	<p>VR Additive for Lye is a high concentrated additive for alkaline bath in bottle washing machines and alkaline washing processes.</p> <p>VR Additive for Lye is based on special agents and detergents to absorb the water hardness and to stabilize the alkalic bath. Special detergents are responsible for better wetting of the bottles and reduce the foam formation in the lye.</p> <p>VR Additive for Lye can be used in breweries, wineries and in the non-alcoholic beverage industry, especially if the cleaning effect of the washing liquor is not sufficient of remove the labels within the specified cycle time, i.e. for so-called problem labels.</p> <p>VR Additive for Lye is free of phosphates and doesn't increase phosphates in the waste water.</p>
<p>Method of application</p>	<p>Add the product into the alkaline bathes of the bottle washing machine:</p> <p>Concentration: 0.06 – 0.3 % Temperature: 50 – 90°C Time: 15 – 30 minutes</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<p>Material compatibility</p>	<p>PVDF, PP, PE, PVC, Stainless Steel, Glass, Steel and cast iron.</p> <p>VR Additive for Lye 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>

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Analysis of concentration	Product: titration method Additive: Photometry		
Physical and chemical properties			
Aspect/colour	Granular	White	
Form	Powder		
Odour	Characteristic		
Foaming behaviour <small>(see under conditions of application)</small>	Not foaming		
Phosphates	Not applicable		
Bulk density (20°C) g/l	600.0 – 800.0		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	11.4 – 12.0	not applicable	not applicable
Conductance (1 %, 20°C) mS/cm	6.0 – 7.0	14.5 – 17.5	23.0 – 27.0
Phenolphthalein alkalinity (ml)	not applicable		
m-Value (ml)	6.0 ± 0.5 (1 % at 10 ml sample)		
Storage stability	- 20°C to + 40°C		
Remarks regarding biocides	not applicable		
Hazardous products	Tetrasodium Ethylenediaminetetraacetate		
Risk symbols			
	DANGER		
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.		

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.