


<b>METRIPON PBL ERP</b>	<b>Item no.:</b>  <b>00 00 88</b>
<b>Areas of application</b>	<p><b>METRIPON PBL ERP</b> is a strong alkaline powder for the cleaning of bottles in automatic spray washing machines.</p> <p><b>METRIPON PBL ERP</b> is especially designed for the mechanic foam-free cleaning of bottles in automatic rotary or in-line spray washing machines with one or several alkaline bathes which are usually used in breweries, soft drink industry, dairies, producers of unfermented fruit juice and wine producers.</p> <p><b>METRIPON PBL ERP</b> is based on highly active complexing agents for an application in water with high water hardness to protect the bottle washing machine against scaling and special defoaming agents to reduce the foam in the lye station.</p>
<b>Method of application</b>	<p>Metering has to be adapted to the respective operating conditions and depend on:</p> <ul style="list-style-type: none"> <li>▪ Temperature of the alkaline bath</li> <li>▪ Properties of labels and glue</li> <li>▪ Through-put velocity and degree of soiling of the bottles</li> <li>▪ Turbulence within the machine etc.</li> </ul> <p>Subsequent product addition depends on the quantity of alkaline solution being carried away and its decomposition; it is defined via titration.</p> <p>Concentration: 0.7 – 2.0 %        Temperature: 60 – 90°C        Time: 15 – 30 minutes</p> <p>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>METRIPON PBL ERP</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>

## Product properties – Technical sheet

Analysis of concentration		according to the titration instructions	
Physical and chemical properties			
Aspect/colour	Granular	White – Slightly Yellowish	
Form	Powder		
Odour	Characteristic		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	Contained		
Bulk density (20°C) g/l	850.0 – 1,050.0		
Concentration	1 % in H <sub>2</sub> O dest.	3 % in H <sub>2</sub> O dest.	5 % in H <sub>2</sub> O dest.
pH value (1 %, 20°C)	12.5 – 13.6	n/a	n/a
Conductance (1 %, 20°C) mS/cm	36.0 – 46.0	110.0 – 120.0	160.0 – 190.0
Phenolphthalein alkalinity (ml)	10.0 ± 1.0 (1 % at 5 ml sample)		
m-Value (ml)	n/a		
Storage stability	- 20°C to + 40°C		
Remarks regarding biocides	n/a		
Hazardous products	sodium hydroxide / Fatty alcohol alcoxylate		
Risk symbols			
	DANGER		
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.