Product properties – Technical sheet

WIGOL® Cleaning and Disinfection

FRG ADDITIVE FOR REMOVAL OF LABELS	Item no.: 00 09 22

Areas of application

FRG Additive is a high concentrated liquid additive for alkaline bath in bottle washing machines and alkaline washing processes.

FRG Additive is based on special detergents for better wetting of bottles for faster removal of labels and organic residues as well as reducing the foam formation in the lye.

FRG Additive 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.

Attention:
Some self-adhesive labels are provided with special adhesives, which can't be removed despite of using **FRG Additive**.

Method of application

Add the product with an automatic dosing system (time relay, volumetric control) into the alkaline bathes of the bottle washing machine:

Concentration: 0,15 – 0,30 % into the lye 1 (main lye bath)
Temperature: 50 – 90°C
Time: 15 – 30 minutes

After having used the product rinse thoroughly with drinking water to remove any possible residues!

Material compatibility

PVDF, PP, PE, PVC, Stainless Steel, Glass

FRG Additive must not be used on steel, cast iron, aluminium and zinc.

In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.

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Analysis of concentration	according to the titration instructions		
Physical and chemical properties			
Aspect/colour	Clear	Colourless	
Form	Liquid		
Odour	Characteristic		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	Contained		
Density (20°C) g/cm³	1.105 – 1.125		
Concentration	**1 % in H_2O dest.**	**3 % in H_2O dest.**	**5 % in H_2O dest.**
pH value (1 %, 20°C)	1.9 – 2.5	n/a	n/a
Conductance (1 %, 20°C) mS/cm	3.25 – 3.65	6.3 – 6.9	9.2 – 10.2
Phenolphthalein alkalinity (ml)	3.8 ± 0.2 (1 % at 10 ml sample)		
m-Value (ml)	N/a		
Storage stability	- 5°C to + 40°C		
Remarks regarding biocides	**N/a**		
Hazardous products	Orthophosphoric acid / Fatty alcohol alcoxylate / 2-(2-butoxyeth-oxy)ethanol		
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.