Product properties – Technical sheet

SCALE INHIBITOR SWZ VR III PHOSPHATE FREE	Item no.: 00 05 61

Areas of application

SWZ VR III PHOSPHATE FREE is a high concentrated agent used to inhibit the formation of scale in sinks and on the spray nozzles of cold and warm water stations in bottle washing machines.

SWZ VR III PHOSPHATE FREE is particularly suitable for the reduction of the pH value in the washing areas if considerable quantities of the alkaline solution are carried away continuously.

SWZ VR III PHOSPHATE FREE is based on highly active complexing agents and passivation inhibitors to protect the bottle washing machine against corrosion and to control the pH-value in such a way that the wastewater discharged from the washing machines in beverage industry is environmentally acceptable.

Method of application

Depending on the hardness of water, pH-value, temperature and the quantity of fresh water add into the rinsing stations with a suitable dosing system (time-relay, volumetric control or control according the pH value):

The pH value should be between 7.5 and 9.0.

The dosing should be done over a special WIGOL dosing - aid in order to protect the machine from corrosion.

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

Material compatibility

PVDF, PP, PE, PVC, Glass

SWZ VR III PHOSPHATE FREE must not be used on steel and cast iron. In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.

Product properties – Technical sheet

WIGOL® Cleaning and Disinfection

Analysis of concentration	according to the titration instructions		
Physical and chemical properties			
Aspect/colour	Clear	Colourless – Yellowish	
Form	Liquid		
Odour	Odourless		
Foaming behaviour (see under conditions of application)	Not Foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.575 – 1.615		
Concentration	**1 % in H_2O dest.**	**3 % in H_2O dest.**	**5 % in H_2O dest.**
pH value (1 %, 20°C)	1.0 – 1.6	n/a	n/a
Conductance (1 %, 20°C) mS/cm	32.0 – 37.0	90.0 – 100.0	145.0 – 165.0
Phenolphthalein alkalinity (ml)	7.1 ± 0.5 (1 % at 5 ml sample)		
m-Value (ml)	n/a		
Storage stability	- 5°C to + 40°C		
Remarks regarding biocides	**n/a**		
Hazardous products	Sulfuric acid solution		
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.