


SCALE INHIBITOR SWZ D	Item no.: 00 03 19
Areas of application	<p>Scale Inhibitor SWZ D 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.</p> <p>Scale Inhibitor SWZ D 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 waste water discharged from the washing machines in beverage industry is environmentally acceptable.</p> <p>Scale Inhibitor SWZ D is especially environment friendly because:</p> <ul style="list-style-type: none"> ▪ no sulphates in waste water ▪ no phosphates ▪ reduction of pH value ▪ mild organic acids
Method of application	<p>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):</p> <p>The pH value should be between 7.5 and 9.0.</p> <p>The dosing should be generally between 5.2 and 10.4 g/°dH and m³ of fresh water.</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</p> <p>Scale Inhibitor SWZ D 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.</p>

Analysis of concentration	Use a photometer		
Physical and chemical properties			
Aspect/colour	Colourless		
Form	Liquid		
Odour	Pungent		
Foaming behaviour (see under conditions of application)	Not foaming		
Phosphates	None		
Density (20°C) g/cm³	1.190 – 1.210		
Concentration	1% in H₂O dest.	3% in H₂O dest.	5% in H₂O dest.
pH value (1%, 20°C)	2.8 – 3.4	not applicable	not applicable
Conductance (1%, 20°C) mS/cm	1.6 – 1.9	4.0 – 4.5	6.3 – 7.3
Phenolphthalein alkalinity (ml)	6.3 ± 0.5 (1 % at 10 ml sample)		
m-Value (ml)	not applicable		
Storage stability	- 5° C – + 40° C		
Remarks regarding biocides	Not applicable		
Hazardous products and risk symbols	Formic acid  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.