


Product properties – Technical sheet

<p>WIGOPHARM DR ES</p>	<p>Item no.: 00 17 10</p>
<p>Areas of application</p>	<p>HIGHLY EFFECTIVE CLEANING CONCENTRATE AND ADDITIVE FOR ALL ALKALINE SYSTEM CLEANING AT THE PHARMACEUTICAL -, COSMETIC AND FOODSTUFFS INDUSTRY</p> <p>WIGOPHARM DR ES is a concentrate of active ingredients based on detergents and dispersants.</p> <p>WIGOPHARM DR ES is especially used for the activation of the alkaline cleaning solution in order to intensify the cleaning capacity of the lye. In addition the product is able to reduce the foam behaviour of the cleaning solution. The product is boosting the emulsifying of oil and fat and the dispersing of pigments and particles.</p> <p>WIGOPHARM DR ES is due to its special ingredients particularly usable for the removal of residues from salves containing particles like rush cream with ZnO and sun cream with TiO₂.</p> <p>WIGOPHARM DR ES is used in CIP – systems.</p> <p>WIGOPHARM DR ES contains special hardness stabilizers, which bind even with applications of hot water the water hardness. Special detergents guarantee an optimal rinsing without any residues.</p> <p>WIGOPHARM DR ES contains special anti-foam agents to show even with strong turbulences apart from a particularly good net effect also a foam-free cleaning from 50°C.</p> <p>The wash active detergents are well water soluble, so that the problem of residues is reduced clearly when rinsing.</p>
<p>Method of application</p>	<p>Add the product into the alkaline cleaning solution with an automatic dosing system (time relay, volumetric control):</p> <p>Pre-rinsing of the plant with water of > 40°C improves in any cases the following cleaning steps.</p> <p>Concentration: 1.0 – 3.0 % 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>
<p>Material compatibility</p>	<p>PVDF, PP, PE, PVC, Stainless Steel, Steel.</p> <p>WIGOPHARM DR ES 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	according to the titration instructions		
Physical and chemical properties			
Aspect/colour	Clear	Colourless	
Form	Liquid		
Odour	Weak, Characteristic		
Foaming behaviour <small>(see under conditions of application)</small>	Not foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.090 – 1.110		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	2.0 – 2.6	n/a	n/a
Conductance (1 %, 20°C) mS/cm	2.25 – 2.75	5.25 – 6.25	7.9 – 9.9
Phenolphthalein alkalinity (ml)	5.5 ± 0.5 (1 % at 30 ml sample)		
m-Value (ml)	n/a		
Storage stability	+ 5°C to + 30°C		
Remarks regarding biocides	n/a		
Hazardous products	1-hydroxy-1,1-Ethanediy ester		
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.