



Product properties – Technical sheet

WIGOPHARM G EXTRA MSA	Item no.: 35 30 24
Areas of application	<p>HIGHLY EFFECTIVE CLEANING CONCENTRATE FOR ALL ACID SYSTEM CLEANING AT PHARMACEUTICAL -, COSMETIC AND FOODSTUFFS INDUSTRY</p> <p>WIGOPHARM G Extra MSA is due to its special ingredients particularly for the removal of inorganic product remainders in the production plants (machines for granules, Diacoater, vessels for dragees, coated tablets etc.), storage vessels and pipe systems suitable.</p> <p>WIGOPHARM G Extra MSA is used in the circulating pumping procedure or CIP – procedure.</p> <p>WIGOPHARM G Extra MSA is free of phosphorous acid and very mild to all metallic surfaces and sealing.</p> <p>WIGOPHARM G Extra MSA 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 G Extra MSA contains special antifoam agents to show even with strong turbulences apart from a particularly good net effect also a foam-free cleaning. The wash active detergents are well water soluble, so that the problem of residues is reduced clearly when rinsing.</p>
Method of application	<p>Re-circulating cleaning system, also suitable for systems with CO₂ atmosphere:</p> <p>Concentration: 1.0 – 3.0 % Temperature: cold – 40°C Time: 5 – 10 minutes</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, Aluminium</p> <p>WIGOPHARM G Extra MSA 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>

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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	n/a		
Density (20°C) g/cm³	1.085 – 1.105		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	1.7– 2.3	n/a	n/a
Conductance (1 %, 20°C) mS/cm	7.25 – 9.25	21.5 – 25.5	36.0 – 42.0
Phenolphthalein alkalinity (ml)	6.75 ± 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	Methanesulphonic acid / 2-(2-butoxyethoxy)ethanol		
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.