


Product properties – Technical sheet

ADDITIVE MSN	Item no.: 00 10 26
Areas of application	<p>HIGH CONCENTRATED MILD ACID PRODUCT TO BE USED IN AQUEOUS WASHING SYSTEMS (DIPPING AND ULTRASONIC PROCESSES)</p> <p>Additive MSN is especially suitable for the cleaning of prisms, lenses and protective goggles in the optical industry.</p> <p>Additive MSN is salt-free and so the product has a low level of conductivity.</p> <p>Additive MSN has a strong wetting capacity and is a strong emulsifier for oil and grease.</p> <p>Additive MSN is used to increase the cleaning and degreasing effect of alkaline and acid washing liquors.</p> <p>The additive has a strong emulsifying effect and supports emulsifying of oils in the washing liquor.</p>
Corrosion protection	<p>Additive MSN hasn't any components for corrosion protection to prevent sensitive material from corrosion.</p>
Method of application	<p>Suitable for automatic metering (time relay or volumetric control):</p> <p>Concentration: 0.1 – 3.0 % (solo or as an additive into the cleaning solution) Temperature: 20 – 90°C Pressure: 0 bar Time: 2 – 6 minutes</p> <p>According to the desired quality standard the cleaned parts must be rinsed thoroughly with water or demineralised water to remove any possible residues!</p> <p>If parts are sensitive to corrosion an addition of a corrosion inhibitor into the last rinsing bath is necessary.</p>
Material compatibility	<p>PVDF, PP, PE, PVC, stainless steel, steel, grey cast iron, ceramic, glass, aluminium and copper.</p> <p>Additive MSN must not be used on zinc.</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	n/a		
Physical and chemical properties			
Aspect/colour	Clear	Pink – Red	
Form	Liquid		
Odour	Fragrance: Lemon		
Foaming behaviour <small>(see under conditions of application)</small>	Strong Foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.020 – 1.040		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	6.0 – 8.0	n/a	n/a
Conductance (1 %, 20°C) mS/cm	n/a	n/a	n/a
Phenolphthalein alkalinity (ml)	n/a		
m-Value (ml)	n/a		
Storage stability	+ 5°C to + 40°C		
Remarks regarding biocides	n/a		
Hazardous products	Sulfonic acids, C14-17-sec-alkane, sodium salts / Alcohols, C12-14, ethoxylated, sulfates, sodium salts		
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.