



Product properties – Technical sheet

<p>RUST REMOVER ALKALINE</p>	<p>Item no.: 00 12 00</p>
<p>Areas of application</p>	<p>Rust Remover Alkaline is a high concentrated product to remove rust from parts made from steel in aqueous solutions.</p> <p>Rust Remover Alkaline can be used in spray, ultrasonic, flooding and immersion cleaning equipment.</p> <p>Rust Remover Alkaline is able to remove thin oxidations on metal surfaces without activating the surfaces.</p> <p>After the treatment of the parts it is necessary to start immediately the following processes or to treat the parts with an anti-corrosive-product.</p>
<p>Corrosion protection</p>	<p>Rust Remover Alkaline hasn't any components for corrosion protection to prevent sensitive material from corrosion.</p>
<p>Method of application</p>	<p>Suitable for automatic metering (time relay, volumetric control or control by conductance)</p> <p>Concentration: 5.0 – 20.0 % Temperature: 20 – 90°C Spray pressure: 2 - 6 bar Time: 60 - 180 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>
<p>Material compatibility</p>	<p>PVDF, PP, PE, stainless steel, steel, grey cast iron, ceramic, glass and under certain conditions copper.</p> <p>Rust Remover Alkaline must not be used on aluminium and 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	according to the titration instructions		
Physical and chemical properties			
Aspect/colour	Clear	Tawny – Brownish	
Form	Liquid		
Odour	Characteristic		
Foaming behaviour <small>(see under conditions of application)</small>	Not Foaming		
Phosphates	n/a		
Density (20°C) g/cm³	1.255 – 1.275		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	12.2 – 12.8	n/a	n/a
Conductance (1 %, 20°C) mS/cm	7.4 – 8.4	21.0 – 24.0	33.5 – 38.5
Phenolphthalein alkalinity (ml)	3.15 ± 0.25 (1 % at 10 ml sample)		
m-Value (ml)	n/a		
Storage stability	+ 5°C to + 40°C		
Remarks regarding biocides	n/a		
Hazardous products	Tetrasodium Ethylenediaminetetraacetate / Potassium Hydroxide		
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.