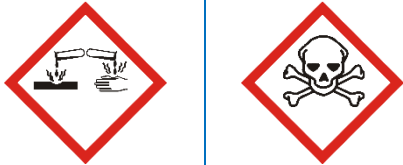


Product properties – Technical sheet

<p>PICKLING AGENT LIQUID</p>	<p>Item no.: 00 11 36</p>
<p>Areas of application</p>	<p>Pickling Agent Liquid is a strong acid product for pickling processes to remove oxidation and corrosion from metallic surfaces, especially surfaces made from stainless steel.</p> <p>Pickling Agent Liquid is used on welded joints.</p> <p>Before the use of Pickling Agent Liquid the surfaces should be free of fat and oil.</p>
<p>Method of application</p>	<p>Dip the parts into the bath or spray the product evenly over the surface:</p> <p>Concentration: 30 – 50 % Temperature: 10 – 30°C Time: 10 – 30 minutes</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p> <p>In case of insufficient rinsing in the 'dead areas' of the plant equipment and pipes or in gaps e.g. under seals it could come to the enrichment of chloride ions which can lead at pH values < 7 to pit, hole and intergranular corrosion at stainless steel!</p>
<p>Material compatibility</p>	<p>PVDF, PP, PE, PVC</p> <p>Pickling Agent Liquid must not be used on zinc, cast iron and marble.</p> <p>In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p>

Product properties – Technical sheet

Analysis of concentration	see titration method		
Physical and chemical properties			
Aspect/colour	Colourless		
Form	Liquid		
Odour	Pungent		
Foaming behaviour <small>(see under conditions of application)</small>	Not foaming		
Phosphates	not applicable		
Density (20°C) g/cm³	1.330 – 1.360		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	1.2 – 1.8	not applicable	not applicable
Conductance (1 %, 20°C) mS/cm	24.0 – 29.0	70.00 – 80.0	115.0 – 135.0
Phenolphthalein alkalinity (ml)	6.3 ± 0.5 (1 % at 5 ml sample)		
m-Value (ml)	not applicable		
Storage stability	- 5° C – + 30° C		
Remarks regarding biocides	not applicable		
Hazardous products	Nitric acid / Sulfuric acid solution / Hydrofluoric acid		
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.