


<p><b>DESCALER SX 2</b></p>	<p><b>Item no.:</b> <b>00 13 99</b></p>
<p><b>Areas of application</b></p>	<p><b>Descaler SX 2</b> is a strong acid concentrate for the removal of inorganic residues and oxidations, with special inhibitors to protect the metal surfaces from corrosion.</p> <p><b>Descaler SX 2</b> is based on inorganic acids to remove scale layers, boiler scale and rust from sensitive surfaces. Special inhibitors reduce the destruction of material made from steel and cast iron. Passages, nozzles, heating coils and containers are cleansed of boiler scale.</p> <p><b>Descaler SX 2</b> is mild, not flammable and not corrosive.</p>
<p><b>Method of application</b></p>	<p>The product should be used in a concentration of 20 - 50 %. It is not necessary to work with temperature.</p> <p>Normally the time of application is between 2 and 3 hours. If there are very strong residues, the product can be used for maximal 6 hours.</p> <p><b>The decalcification has, especially with long exposure times, to be supervised.</b></p> <p>During the procedure, the pH value must be proofed all 20 – 30 minutes. If the pH value is growing over pH 4, <b>Descaler SX 2</b> must be added. If the pH value is growing and stops at a certain level, the scale is removed.</p> <p>Before the solution can be given into the waste water the pH value must be neutralised between 7.5 and 8.5. For that procedure we suggest the product <b>Passivation A</b>.</p> <p>Concentration: 5.0 – 10.0 % Temperature: 5 – 25°C Time: 2 – 3 hours</p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p>
<p><b>Material compatibility</b></p>	<p>PVDF, PP, PE, PVC, Glass</p> <p>On steel, zinc, cast iron it is possible to have a little removal of the material. Don't use <b>Descaler SX 2</b> on marble.</p> <p>In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p>

<b>Analysis of concentration</b>	see titration method		
<b>Physical and chemical properties</b>			
<b>Aspect/colour</b>	Colourless		
<b>Form</b>	Liquid		
<b>Odour</b>	Characteristic		
<b>Foaming behaviour</b> (see under conditions of application)	Not foaming		
<b>Phosphates</b>	not applicable		
<b>Density (20°C) g/cm<sup>3</sup></b>	1.105 – 1.125		
<b>Concentration</b>	<b>1 % in H<sub>2</sub>O dest.</b>	<b>3 % in H<sub>2</sub>O dest.</b>	<b>5 % in H<sub>2</sub>O dest.</b>
<b>pH value (1 %, 20°C)</b>	1.4 – 2.0	not applicable	not applicable
<b>Conductance (1 %, 20°C) mS/cm</b>	9.0 – 12.0	25.0 – 30.0	42.0 – 50.0
<b>Phenolphthalein alkalinity (ml)</b>	4.05 ± 0.3 (1 % at 10 ml sample)		
<b>m-Value (ml)</b>	not applicable		
<b>Storage stability</b>	- 5°C – + 40°C		
<b>Remarks regarding biocides</b>	<b>Not applicable</b>		
<b>Hazardous products</b>	1-Hydroxy Ethylidene-1,1-Diphosphonic Acid / Hydrochloric acid		
<b>Risk symbols</b>			
	<b>DANGER</b>		
<b>Special remarks</b>	<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><b>Read in any case our safety data sheet before using the product!</b></p>		
<b>Disposal</b>	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.