

Product properties – Technical sheet

<p>TRI SODIUM PHOSPHATE LIQUID</p>	<p>Item no.: 00 04 84</p>
<p>Areas of application</p>	<p>Tri sodium phosphate solution for the alkalization and stabilization of boiler feeding water.</p> <p>The phosphate surplus (PO₄) should be in the boiler water between 10 - 20 mg/l and the pH value should be in the feed water > 9 and in Boiler water between 10.5 - 12.0</p> <p>In all other respects the references of the equipment manufacturer and the appropriate technical rules (TRD) are to be considered.</p> <p>Conductivity: 30 – 8000 µS/cm Iron, total: < 0.05 mg/l Phosphate (PO₄): 10 – 20 mg/l</p>
<p>Method of application</p>	<p>The quantity required for the salt containing process water lies between 500 – 1000 ml/m³.</p> <p>Be sure to have a sufficient surplus of 10 – 20 mg/l phosphate (PO₄).</p> <p>As a result of permanent enrichment of different salts in the boiler water (high conductivity, high pH value, and high concentration of iron) it is necessary to reduce the concentration by a change of boiler water with fresh water.</p> <p>To reduce the oxygen content in the boiler water it is well recommended to use Sodium Sulphite Liquid – Item no. 000483.</p>
<p>Material compatibility</p>	<p>Non incompatibility known.</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	Colourless	
Form	Liquid		
Odour	Odourless		
Foaming behaviour <small>(see under conditions of application)</small>	Not foaming		
Phosphates	Contained		
Density (20°C) g/cm³	1.035 – 1.055		
Concentration	1 % in H₂O dest.	3 % in H₂O dest.	5 % in H₂O dest.
pH value (1 %, 20°C)	11.1 – 11.7	n/a	n/a
Conductance (1 %, 20°C) mS/cm	1.0 – 1.15	2.5 – 2.8	3.95 – 4.45
Phenolphthalein alkalinity (ml)	3.1 ± 0.5 (1% at 100 ml sample)		
m-Value (ml)	n/a		
Storage stability	+ 5°C to + 30°C		
Remarks regarding biocides	n/a		
Product contains	Sodium phosphate		
Risk symbols	THE PRODUCT IS NOT CLASSIFIED ACCORDING TO THE CLP REGULATION AND REQUIRES NO LABELING!		
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.