



## Product properties – Technical sheet

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| <p><b>BOOSTER<br/>H</b></p>          | <p><b>Item no.:</b><br/><b>41 37 21</b></p>  |
| <p><b>Areas of application</b></p>   | <p><b>Booster H</b> is a liquid additive used to intensify the cleansing effect of all alkaline solutions used to clean the inner side of systems as well as surfaces.</p> <p><b>DON'T MIX BOOSTER H WITH PRODUCTS CONTAINING CHLORINE!</b></p> <p><b>Booster H</b> decomposes its oxygen components very quickly so that all organic impurities are oxidised immediately.</p> <p><b>Booster H</b> is free of detergents and doesn't influence the foam behaviour of the cleaning solution.</p>  |
| <p><b>Method of application</b></p>  | <p><b>Manual cleaning using a spray apparatus:</b><br/>Add the booster in a ratio of 5 – 10 % to the diluted cleansing solution and apply the cold solution to the surfaces to be cleaned. Leave to work for about 10 minutes.</p> <p><b>CIP cleaning:</b><br/>Add the booster in a ratio of 2 – 5 % to the cleansing solution. When using a recirculation pump system the solution can be heated up to 80°C, but because of the intense release of oxygen it has to be made sure that there is pressure compensation. Re-circulation time: 10 – 20 minutes.</p> <p><b>Attention:</b><br/><b>When mixing the booster with other products, both products have to be diluted prior to mixing! Because of the intense release of oxygen the booster is to be used in pressure vessels with pressure compensation only!</b></p> <p><b>The Concentration of the alkaline solution should not exceed a value of max. 5 %. Higher concentration results in discoloration of the stainless steel.</b></p> <p>After having used the product rinse thoroughly with drinking water to remove any possible residues!</p> <p>High concentration of chloride ions in the used water can lead to hole and intergranular corrosion at stainless steel when the time of application is longer as described in this data sheet. Different metals in the system can lead to corrosion if the product is used in re-circulation systems for a long time.</p> |
| <p><b>Material compatibility</b></p> | <p>PVDF</p> <p><b>Booster H</b> must not be used on steel, cast iron and aluminium. In addition, further material incompatibilities cannot be excluded. Therefore, test the product on an unimportant spot before its definite use.</p> <p><b>While using Booster H with Cross Flow Filters you have to observe the advices of their producer!</b></p>   |

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| <b>Analysis of concentration</b>   | according to the titration instructions  |  |                                    |
| <b>Physical and chemical properties</b>  |  |  |                                    |
| <b>Aspect/colour</b>   | Clear  | Colourless   |                                    |
| <b>Form</b>  | Liquid   |  |                                    |
| <b>Odour</b>   | Weak, Characteristic   |  |                                    |
| <b>Foaming behaviour</b><br><small>(see under conditions of application)</small> | Not foaming  |  |                                    |
| <b>Phosphates</b>  | n/a  |  |                                    |
| <b>Density (20°C) g/cm<sup>3</sup></b>   | 1.125 – 1.145  |  |                                    |
| <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>  | 5.0 – 7.0  | n/a  | n/a                                |
| <b>Conductance (1 %, 20°C) mS/cm</b>   | n/a  | n/a  | n/a                                |
| <b>Phenolphthalein alkalinity (ml)</b>   | n/a  |  |                                    |
| <b>m-Value (ml)</b>  | n/a  |  |                                    |
| <b>Storage stability</b>   | + 5°C to + 30°C  |  |                                    |
| <b>Remarks regarding biocides</b>  | n/a  |  |                                    |
| <b>Hazardous products</b>  | Hydrogen peroxide  |  |                                    |
| <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.<br/>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.