

## TECHNICAL INFORMATION

### Cleentek 4

#### Anticorrosion agent for ferrous metals

<b>Description / Characteristics:</b>	<p><b>Cleentek 4</b> is a foam-free formulation used as additive to neutral or weakly alkaline cleaner solutions to prevent rust film on ferrous materials.</p> <p><b>Cleentek 4</b> will also be used as solely passivation agent. It will protect under sheltered conditions (indoor storing) e.g. after cleaning iron based alloys and casted iron surfaces.</p> <p><b>Cleentek 4</b> forms extremely thin corrosion-protecting layers which will not be sticky. Usually this will not be disturbing in coating processes. Nevertheless we recommend pretesting before coating.</p> <p><b>Cleentek 4</b> can readily be removed with water. Therefore rinsing with water would remove the passivation. So the solutions must be dried on.</p> <p><b>Cleentek 4</b> is as well suitable to adjust pH-values in cleaning installations based on solvents (see separate information).</p> <ul style="list-style-type: none"> <li>➤ <b>temporary corrosion protection for indoor storage</b></li> <li>➤ <b>free of salts</b></li> <li>➤ <b>pH-value-stabilizer</b></li> </ul>
<b>Suitable for:</b>	Ferrous metals
<b>Type of installation:</b>	Spraying, injection flood washing, immersion
<b>Application:</b>	Concentration: 0.3 – 2 % v/v Temperature: 20 – 70°C
<b>Technical data:</b>	Appearance: colorless liquid Density: approx. 1.03 g/cm <sup>3</sup> (1 kg $\approx$ 0.97 l) pH-value (10 g/l): approx. 11.2
<b>Major ingredients:</b>	Amines and inhibitors
<b>Determination of concentration:</b>	50 ml of bath solution are titrated with hydrochloric acid (0.5 mol/l) until you are reaching pH 8.0. Used ml hydrochloric acid x 0.1 = % v/v <b>Cleentek 4</b>

When using these products, all applicable safety regulations for the use of chemicals must be observed. For storage information, danger specifications and safety regulations, please refer to the applicable safety data sheets. Application solutions and product remnants must be discarded in compliance with official regulations. The information given reflects our previous experience. With regard to varying operational conditions, this information is noncommittal and to be used as advice only. Therefore, we assume no liability whatsoever, including claims from third parties.