

## ADI-SEQ 1000

### Sequestering agent

ADI-SEQ 1000 is an efficient Sequestering agent. The product complex hardness builders and removes incrustations which occur due to the hardness of water and/or due to the hardness of the cotton fiber  
ADI-SEQ 1000 works in existence of sodium silicate if necessary.

#### Characteristic

- Highly efficient and versatile
- Ensures no silicate build-up on machine parts and the fabric
- Prevents corrosion and removes oxide and silicate deposits, incrustations in units & pipelines.
- In the hydrogen peroxide bleach the developing molecular decomposition products of the cellulose are made soluble by complexion
- In rinsing processes, with very low concentrations of ADI-SEQ 1000 , very good effects can be achieved as the product also has complexing properties at the lower stoichiometric ratio (Threshold-effect)
- Cleans material, producing a high degree of whiteness.
- In dyeing and printing ADI-SEQ 1000 prevents shade problems and gives good rubbing fastness.

#### Properties

<b>Chemical constitution:</b>	<b>Phosphonic acids, sodium salts aqueous solution</b>
<b>Ionic character:</b>	<b>Anionic</b>
<b>pH (1 % solution):</b>	<b>approx. 6.0</b>
<b>Physical form:</b>	<b>Colorless to Yellowish</b>
<b>Storage stability:</b>	<b>ADI-SEQ 1000 is stable for 1 year when properly stored in closed containers at 20 °C. Thermally stable Product change at temperatures BELOW 0°C possible. Change reversible by heating and stirring.</b>
<b>Ecology/toxicology:</b>	<b>The usual hygiene and safety rules for handling chemicals should be observed in storage, handling and use.</b>
<b>consistency</b>	<b>Liquid</b>

#### Application

<b>Substrate:</b>	<i>All kinds of textile goods (loose stock, yarn, woven, knitwear) made out of cellulose and blends.</i>
<b>Operation:</b>	<i>Suitable for all pretreatment process.</i>
<b>Dissolving method:</b>	<i>Can be added directly.</i>

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NOTE: -The information and data contained herein are based on controlled or lab work. The recommendations are given on Previous experience basis but cannot be extended to cover every possible case. It should be verified and evaluated by The user by testing for the intended conditions of use. AIDA dyes & chemical does not express or imply any Warranty or guarantee. The suitability of the product for the application, intended by buyer of the product

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**Guide recipes**

- **Water softening**  
0.15 g/l ADI-SEQ 1000 per 1 °d (German hardness)
- **Boiling-off**  
1.0 - 3.0 g/l ADI-SEQ 1000
- **Dyeing**  
0.15 - 1.0 g/l ADI-SEQ 1000
- **Complexing of metal ions:**

According to Hampshire test (pH 10 - 11 / NaOH) in mg metal ion/g ADI-SEQ 1000

<b>Metal</b>	<b>20 °C</b>	<b>98 °C</b>
Iron (+++)	1050	1000
Calcium (++)	250	240