
HEPTOL ESA

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| Character | Sequestering agent for dyeing and bleaching of cellulose fibres |
| Chemical character | Mixture of phosphonates and polyacrylates |
| Appearance | Clear, yellow liquid |
| Ionic character | Anionic |
| pH-value of a 10 % solution | 2.0 – 3.0 |
| Specific weight at 20 °C | Approx.1.1 |
| Stabilities | <p>HEPTOL ESA is stable to alkalis, reducing and oxidation agents in the usual industrial concentrations.</p> <p>The product is to a certain extent sensitive to frost; changes occurring at low temperatures are reversible on warming and after thorough stirring.</p> |

Properties

HEPTOL ESA has very good sequestering properties towards alkaline earth ions and a good dispersion capacity of heavy metal compounds in an alkaline medium.

The product is suitable for softening industrial water as well as for preventing negative impacts of alkaline earth and heavy metal ions in many processes.

Application technique

Diluting instructions

HEPTOL ESA can be diluted with cold and hot water in every ratio. It can also be added to the treatment liquors without prior dilution.

Application fields

HEPTOL ESA is suitable for adding to washing, desizing, scouring and bleaching liquors. Besides its sequestering property, HEPTOL ESA improves the soil suspending properties of washing liquors and has an outstanding pigment dispersing capacity. It prevents deposits of alkaline earth salts on the fabric and the machines.

HEPTOL ESA does not withdraw any metal ions from the chromophor in metalliferous dyestuffs, which are necessary for the shade and fastness and can thus also be applied as sequestering agent in dyeing processes.

Application proposals

HEPTOL ESA has a very pronounced threshold effect and is thus capable of preventing excess stoichiometric quantities of metal ions from accumulating precipitations in the treatment baths.

The application amount depends on the metal ion concentrations in practice, which need to be bound. The following application amounts only serve as a general guideline:

Discontinuous processes:

0.5 – 3.0 g/l HEPTOL ESA

Continuous processes:

1.0 – 8.0 g/l HEPTOL ESA

Dyeing:

Depending on the water hardness and dyestuff amount

0.5 – 3.0 g/l HEPTOL ESA

are applied in dyeing and soaping processes.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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