
HEPTOL CNE 50

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	1.5– 3.5
Specific weight at 20 °C	Approx.1.1
Stabilities	<p>HEPTOL CNE 50 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>
Storage	On proper storage in closed original containers, the product is stable for at least 12 months.

Properties

HEPTOL CNE 50 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 CNE 50 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 CNE 50 is suitable for adding to washing, desizing, scouring and bleaching liquors. Besides its sequestering property, HEPTOL CNE 50 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 CNE 50 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 CNE 50 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 – 2.0 g/l HEPTOL CNE 50

Continuous processes:

1.0 – 5.0 g/l HEPTOL CNE 50

Dyeing:

Depending on the water hardness and dyestuff amount

0.5 – 2.0 g/l HEPTOL CNE 50

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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