

## Product Information Process Auxiliaries

# Sera® Sperse C-SN 50

All purpose sequestering agent

**Function** Sequestering with dispersing, soil suspending and buffering ability for scouring, bleaching and dyeing of textile material.

- Properties**
- has sequestering ability for calcium, magnesium and heavy metal ions in a wide pH range
  - improves the removal of soil, mineral contaminations as well as heavy metal ions, sizes and yarn lubricants in scouring processes; aids in pre-treating the fabrics for subsequent bleaching or dyeing
  - prevents the agglomeration of dispersions and emulsions
  - stabilises dye baths when dyeing natural and synthetic fibres
  - improves the fastness to rubbing when soaping dyeings and prints, also the wet fastness when soaping reactive dyeings and prints

**Chemical Characteristics** Polyacrylate

**Technical Data**

Appearance:	colourless/yellowish liquid
pH value:	8 – 9
Ionic nature:	weakly anionic
Dilution procedure:	dilute with water
Shelf life:	1 year in closed original containers

at low temperatures its viscosity increases

**Do not store product below + 3 °C and above + 35 °C!**

## Application

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### Scouring of textile material

Sera Sperse C-SN50 is used as chelating agent and to improve detergent action in washing processes instead of EDTA and polyphosphates.

Use 1 - 3 g/l Sera Sperse C-SN50

### Washing of printed textile material

Due to the dispersing effect of Sera Sperse C-SN50, the removal of thickeners and unfixed dyestuff is accelerated, resulting in improved crocking and wash fastness of the print results. The fabrics attain a soft handle. In some instances, it is possible to decrease the washing time.

Use 1 - 3 g/l Sera Sperse C-SN50

Together with the usual scouring surfactants.

### Dyeing of polyester

In addition to its good chelating and dispersing ability, Sera Sperse C-SN50 provides a strong buffering capability against changes in dyebath pH. The good dispersing effect improves the crocking fastness of the dyeing.

Use 0.5 - 1 g/l Sera Sperse C-SN50  
0.5 g/l formic acid or  
acetic acid

### Dyeing of cotton/rayon and blends

An addition of 0.75 - 3g/l Sera Sperse C-SN50 when dyeing with vat dyestuff, direct and reactive dyestuff stabilises the dyebath. The dyestuff dissolves easily and the dyebath shows less precipitations.

Clean, improved crockfast dyeings are obtained.

Sera Sperse C-SN50 should be added to the bath first. Precipitations of mineralic contaminations when adding alkali are then avoided.

### Afterscouring of reactive dyeings and prints

First the fabric is rinsed warm to remove excessive dyestuff and electrolyte.

Afterscouring at 80 - 90 °C with 1,5 - 3 g/l Sera Sperse C-SN50.

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