

HindPrakash

FLOSPERSE DT

Dispersant for Yarn and Fabric Preparation and Dyeing

PRODUCT DESCRIPTION:

FLOSPERSE DT is an excellent dispersant for cotton linters, soil and inorganic bleaching systems,.

FLOSPERSE DT has been developed by Hindprakash Overseas Pvt Ltd. Specifically to improve the quality and reproducibility of every conceivable textile wet process.

PRODUCT CHARACTERISTICS

Appearance	Clear to translucent
Non volatile solids 1.5g @ 150C for 60mm	41% - 44%
Bulk viscosity @ 25C	100 – 300 cps
pH	7 – 8
Specific Gravity @ 25C	1.30

ADVANTAGES

FLOSPERSE DT has many advantages amongst which figure:

- Suitable for all caustic scouring and peroxide bleaching systems.
- Improves the rub fastness and brightness of subsequently dyed yarn and fabric
- Protects against magnesium and calcium salt deposits, improves the solubility and lowers the viscosity of sodium silicate slurries,
- Improves handle thus enhancing winding and sewing properties,
- No de-metallising effect on dyestuffs improving the penetration and distribution of the dye liquor, leading to better levelling.

FLOSPERSE DT is highly efficient in dispersing insoluble and slightly soluble calcium salts, pectins and other impurities, it prevents the build-up of these substances on machine surfaces or on the goods being processed. The precipitation of hardness salts is prevented and liquor stability is vastly improved by the excellent protective colloid function.

APPLICATIONS

Preparation and Bleaching

For all preparation and bleaching process, an application level of 1-2 g/l is sufficient.

On all conventional systems, e.g. kier, cold pad path continuous roller bed etc, FLOSPERSE DT is excellent in the preparation and peroxidized bleaching of cotton or polyester/cotton yarns and fabrics, a clean, lint free fabric which will enhance subsequent dyeing and printing is produced.

FLOSPERSE DT is absorbed onto the crystal faces of calcium and magnesium salts thus inhibiting the crystallization process and increasing solubility

Hindprakash Overseas Private Limited

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FLOSPERSE DT has excellent dispersing properties for soil and insoluble salts, scum formation is eliminated and washing-off is considerably improved. The washed fabric is cleaner and has a better handle.

FLOSPERSE DT is an extremely efficient dispersant for cotton linters and carry over of loose fibers is considerably reduced, which will in turn prevent screen blockage and resist marks during printing.

By preventing the deposition of insoluble salts, FLOSPERSE DT will promote lower yarn/metal friction in the case of yarns which are bleached prior to dyeing, FLOSPERSE DT is also recommended for use with silicate stabilizers in hydrogen peroxide bleaching. By reducing the viscosity of the silicate dispersion and preventing the build-up of calcium or magnesium machine parts or fabric FLOSPERSE DT improves the rate of solubility.

Dyeing

For all dyeing processes mentioned below, an application level of 1-2 g/l is sufficient.

Under alkaline conditions, anionic dyes such as direct and reactive, naphtol or vat colors can become insoluble, this results in unlevel dyeing, reduced color yields and a difference between the inside and outside dye packages becomes noticeable. The brightness is reduced due to the presence of insoluble complexes on the textile surface.

FLOSPERSE DT enhances color yield and improves dyeability and absorption.

FLOSPERSE DT inhibits the formation of insoluble dimers between vat dyes and the calcium ions present on the textile goods or in the process liquor, unlike EDTA based on sequestrates,

FLOSPERSE DT has no effect on shade of metal complex or on reactive dyes.

Washing – Off Reactive Dyes

Application levels are normally around 0.5-2.0 g/l. in case of very heavy shades, it is better to treat with FLOSPERSE DT twice at the boil with 1.0 g/l for 10 minutes, changing the bath in between, rather than for 20 minutes with 2.0 g/l. Calcium ions impair the removal of hydrolyzed reactive dyes and lead to a reduction in the fastness of dyed material.

FLOSPERSE DT contains no phosphorous and is easily eliminated during effluent treatment.

FLOSPERSE DT is far superior to EDTA when it comes to washing-off and it does not attack metal complex dyes.

Other applications

- Reduce clearing baths by improving dispersion and preventing redeposition of degraded dyestuff by adding 0.3 g/l FLOSPERSE DT
- Replacement of tripolyphosphate
- Scale inhibition in high pressure washers
- Improvement of dispersibility of polyester oligomer and titanium dioxide, by adding 0.32 g/l FLOSPERSE DT in wash-off after neutralization of alkaline degradation baths.

Storage

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FLOSPERSE DT should be stored in a dry, well ventilated place, protected from direct sunlight, at a temperature between 5°C and 35°C Under these conditions the shelf life is 6 months

Handling and Storage

FLOSPERSE DT can be stored over a wide range of temperatures but should be warmed to 5°C before use. Should FLOSPERSE DT be subjected to severe freezing conditions, warm and mix well before use. For recommendations to maximize the performance of this product, consult with your Hindprakash Overseas Pvt. Ltd. Sales Representative.

Packing

FLOSPERSE DT is available in 250kgs Plastic drums and 1200 kg IBCs.

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