



NESTOL – LS Powder

(Universal anionic dispersing agent for dyes)

Nature	: Product of condensation of an aromatic sulphonic acid, anionic.
Physical form	: Brownish microgranules.
Stability	: Nestol – LS Powder is acid, alkali, hardness and electrolyte-resistant even under high-temperature dyeing conditions.
Compatibility	: As an anionic product, it is quite compatible with all anionic and non-ionic auxiliaries.
Solubility	<p>: Nestol – LS Powder can be dissolved either by scattering it into 10 to 20 times the quantity of boiling hot water or by pouring the same quantity of hot water over it, and stirring.</p> <p>20 % - 30% stock solutions can also be prepared that are clear and very stable at room temperature. They are practically neutral.</p>
Effect	: Nestol – LS Powder stabilises dye dispersions and thus contributes to increasing the degree of fastness and the levelness of the dyeing; it has no wetting or cleaning effect. In acid baths, the product has an affinity to animal fibres such as wool and silk, and also to polyamide fibres.
Applications :	
Vat dyes	<p>Stock vat The stability of stock vats can be considerably improved by the addition of 5 –10 g/l of Nestol – LS Powder. The product must be added to the dye dispersion before it has been vatted.</p> <p>Jig dyeing 2 g/l of Nestol – LS Powder is added to the dyebath to improve its stability. Nestol – LS Powder prevents vat acid stains, e. g. when dyeing with blue dyes.</p> <p>Circulating liquor machines and winch becks To prevent the dye from forming a precipitate that is filtered out by the goods, 1 – 3 g/l of Nestol – LS Powder is added. This is particularly recommended if the pigmentation or semi-pigmentation processes are used.</p> <p>Pad-steam process</p>

The product appearance varies from batch to batch. The colour & viscosity may vary from batch to batch and its intensity is not an indication of product strength.

NONWARRANTY: The suggestions and data in this bulletin are based on information we believe to be reliable. They are offered in good faith but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions on an experimental basis before adopting them on a commercial scale.

2 g/l of **Nestol – LS Powder** in the chemical pad prevents the agglomeration of loose dye particles in the bath. After steaming, **Nestol – LS Powder** makes it easier to remove the unfixed dye.

It is particularly important to use **Nestol – LS Powder** during the oxidation of vat dyes. It prevents the insoluble pigments newly formed in the oxidation bath from agglomerating and being filtered out by the goods.

Indigo The addition of 1 g/l of **Nestol – LS Powder** to the stock vat increases the process reliability.

Disperse dyes Concentration required 0.5 – 2 g/l

What quantity of **Nestol – LS Powder** is required depends upon the type of dye preparation. If low-dispersant liquid dyes are used, the addition of **Nestol – LS Powder** is particularly important in order to ensure the stability of the dye dispersion during the whole dyeing process. If a short-liquor ratio is used, the application quantity is increased, because here the risk of agglomeration is greater.

During the dyeing process, **Nestol – LS Powder** not only stabilises the dye dispersion, it also prevents the agglomeration of the dye particles that remain behind in the liquor when the bath cools down.

Clearing of prints

Concentration required 1 –1.5 g/l

Nestol – LS Powder is particularly recommended for clearing prints made with disperse dyes on blends of acetate and/or triacetate and polyamide. It prevents transfer of the dye to the polyamide component during washing.

Basic dyes Concentration required 0.5 –1 g/l

Due to its anionic nature **Nestol – LS Powder** has an affinity to cationic dyes and is often used as an additive in clearing baths.

Minimum shelf life : **Nestol – LS Powder** can be stored for at least 24 months in the original sealed bags / containers at between 0 °C and 40 °C. The contents of containers already opened should be used up as quickly as possible. After each removal of an amount they are to be closed tight again.

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