

TECHNICAL BULLETIN

Textile Processing Compound



Let You LEAD The Process

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Nestogen LFW Conc.

A versatile Anionic
de-aerating cum
Wetting agent

Nestogen LFW Conc. is high performance de-aerating cum wetting agent designed for processes where exceptionally high wetting is required. Can be applied in dyeing and printing paste as well.

Features	<ul style="list-style-type: none">➤ High Efficiency in Emulsification.➤ Good wetting property for cotton and also for rayon and other synthetic-fiber textiles➤ Effective de-aerating properties➤ Excellent rinsability➤ Good dispersing properties➤ Outstanding stability to alkali and caustic➤ Synergism with sequestrants in the control of iron and other metal ions.
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Type	Anionic
Constitution	Free acid of complex organic ethoxylate phosphate ester
Appearance	Clear liquid
Solubility	Easily soluble in cold water.
Compatibility	Stable to alkalies, acids, electrolytes, hard water and compatible with auxiliaries used in bleach bath.
Storage	Stable under normal conditions.
Application	<p>In the continuous processing the dwell time of fabric in the bath is very short and hence high wetting to ensure uniform and fast pick up of bath liquor.</p> <p>Nestogen LFW Conc. a specially designed wetting agent which ensures fast wetting of the fabric in continuous preparation and yield good absorbency and whiteness.</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.

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1. CONTINUOUS PROCESS

1.1 Pad-steam (Roller-bed steamer, J-Box and U-Box)

	Desize	Scouring	Bleaching
Nestogen LFW Conc.	2 g/l	2-4 g/l	3-4 g/l
Hydrogen Peroxide (50%)	3-4 ml/l	-	20-40 ml/l
Caustic soda flake	50 g/l	50 g/l	4-8 g/l
Nestogen LV4 Conc.	5 g/l	5 g/l	1-2 g/l
Nesto Stab O2	-	-	6-8 g/l

Pad at 30°C and steam at 100°C for 20-30 mins. followed by washing (hot-warm-cold)

1.2 Combined Scour-Bleach

Nestogen LFW Conc.	2-4 g/l
Nescent – O2	6-8 g/l
Nestogen LV4 Conc.	1-2 g/l
Caustic Soda flakes	10-20 g/l
Hydrogen Peroxide (50%)	40-60 ml/l

Pick up : 120-140%

Steam at 100°C for 10-20 mins followed by wash-off (95°C/95°C/80°C/50-70°C)

2. DISCONTINUOUS PROCESS (BATCH OPERATION)

2.1 Pad-Batch

	Oxidative Desize	Scouring
Nestogen LFW Conc.	3-5 g/kg	3-5 g/l
Nestogen LV4 Conc.	1-2 g/kg	3-5 g/l
Hydrogen Peroxide	12-17 ml/kg	-
Caustic Soda	8-10 g/kg	40-60 g/l

Pick up : 100%

Desize: Pad-batch at 90°C for 1 hour

Scouring : Pad at 50-90°C and batch at 90°C for 2-3 hours.

Storage	Stable under normal conditions.
Packing	50 Kg. Plastic Carboy

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