

## **CHELATOL - NA**

( Protective colloid type Sequestering Agent )

**Chelatol - NA** highly efficient sequestering suitable for all stages in wet processing and dyeing of cellulosic and its blends. It can also be used as a stabilizer in Hydrogen Peroxide bleaching. It has excellent Ca & Fe Chelation efficiency values even at pH values of 9-11 hence suitable for scouring, bleaching and washing off. It shows no de-metallizing effect for heavy metal containing dyes, if used in dyebath. It is suitable for both batch as well as continuous process. It also possesses very good dispersing property.

### **PROPERTIES:**

IONIC NATURE	: Anionic.
pH	: Acidic.
CONSTITUTION	: Based on organic acid salts.
PHYSICAL APPEARANCE	: Colourless to pale yellow liquid.
SOLUBILITY	: Soluble in water in all proportions.
COMPATIBILITY	: Compatible with acids, alkalies and Peroxide.

### **APPLICATION:**

Depending on the hardness of the water used for processing and metal impurities in the textile material to be processed, 0.5 gpl to 2 gpl **Chelatol - NA** should be added in the processing liquor, at the commencement of the process.

#### **Combined Scour-Bleach**

Nestogen - RE	2-4 g/l
Nescent – O2	6-8 g/l
<b>Chelatol - NA</b>	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)

#### **Scour Bleach - Knits and coloured goods (JET)**

Nestogen - RE	0.3-0.5%
<b>Chelatol - NA</b>	0.5-1%
Nescent – O2	0.4-0.7%
NaOH (100%)	1-2%
Hydrogen Peroxide (35%)	3-5%

M:L = 1:10:

95°C/40 mins; drain at 70°C - hot wash - cold wash

**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.

## **Reactive Soaping (Washing off) for woven**

**Chelatul - NA** 0.4-0.5% owf

Treat @85-90 °C for 30 – 40 mins

### **ADVANTAGES:**

- It has high hydrolytic property and dispersing action on suspended solids.
- Has good deflocculation property.
- Prevents occurrence of Pin-holes on cotton fabrics when used in bleaching bath.

**STORAGE** : Stable under normal conditions.

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