

## **MAXINOL C 4041**

## **TEXTILE DISPERSANT**

### **PRODUCT FEATURES**

MAXINOL C 4041 is acrylic acid based polymer. It is highly effective as dispersant and sequestering agent and shows good actions up to high alkaline pH, high hardness and temperature without precipitation. Apart from thermal stability product has good stability to oxidizing and reducing agent. It is non-foaming dispersant and has good environmental acceptability as anti back staining agent

### **TYPICAL SPECIFICATIONS**

Appearance	: Clear yellow liquid
Nature	: Acrylic polymer
Grade	: Sodium salt
Average mol wt	: Approx. 70000
PH (10% w/w solution)	: 7.0-9.0
Density at 25°C g/ml	: 1.24-1.30
Solid Content	: 40.0 ±2.0 %
BF Viscosity cP@ 25°C	1000-2000
Solubility in Water	: Freely Soluble at all use levels

(These are typical values and not the final specifications)

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## **MAJOR BENEFITS**

MAXINOL4041 confers following application benefits:

**Excellent stability in very high hard water (1000) with similar benefits of washing wet fastness and antibackstaining properties.**

1. High complexing power with Ca, Mg, Fe, Cu and Mn without destroying dye metal complexes.
2. It improves penetration and levelness of dyeing as well as their fastness through dispersing and complexing actions.
3. Offers advantage in reactive, vat, sulpher, naphthol and indigo dyeing as it binds heavy metals preventing agglomeration as well as coagulations.
4. Suitable for circulating dyeing machines for cellulose and blends with all dyes. It prevents filtering off and protects agglomeration of cotton.
5. It provides excellent results for gray cottons on circulating dyeing machine as well as one bath dyeing and bleaching.
6. It performs as dispersant for unfixed dye (washing off) without affecting shade and fastness of dyed goods.
7. It improves depth of colour, levelness and fastness in the exhaust process.
8. It improves brightness as well as colour yield and keeps roller clean while silicate padding.

In printing of reactive dyes by silicates or by steaming it removes gum and silicate from printed fabrics

## **DOSAGE**

Most common doses of MAXINOL4041 are between 1 - 2 GPL. However, the dosage varies depending upon use conditions and the end effect envisaged.

## **SAFETY AND HANDLING**

MAXINOL4041 is generally safe but avoid contact with eyes and prolonged contact with eyes. Do not take internally. In case of contact with skin & eyes, wash with plenty of water.

## **STORAGE**

MAXINOL4041 should be stored under shade.

## **PACKING**

MAXINOL4041 is available in 50Kgs Carbuoy / 250Kgs Polydrums