



**MapleSolutions**

3019 Lake Road, Dollard Des Ormeaux, QC, H9B 2R3 Canada - Tel : 1 (514) 472 0094 [www.maplechemicals.com](http://www.maplechemicals.com)

## **TECHNICAL BULLETIN**

### **MA-SEQ P**

#### **STATEMENT OF USE**

**MA-SEQ P** is a highly effective chelate/dispersant system for use in peroxide bleach baths. It combines the ability to prevent formation and deposition of metal complexes formed from water hardness and the high levels of calcium and magnesium contained in cotton with ability to effectively chelate iron. **MA-SEQ P** can replace or extend the use of traditional chelates (EDTA, DTPA, TEA, etc.) by providing additional performance not achieved by those types of chelates. It can also be used as an after soaping agent for cleaning loose reactive dyes from cotton and polyester/cotton blends

#### **OUTSTANDING PROPERTIES**

- \* Prevents precipitation of calcium and magnesium complexes formed in caustic treatment and bleaching.
- \* Effectively disperses insoluble silicate complexes formed in silicate stabilized peroxide bleach systems. Also is effective in organic stabilized systems.
- \* Highly caustic stable.
- \* Reduces redeposition of removed contaminants onto fabric and machinery.
- \* Improves fabric clean up in caustic treatments.
- \* Prevents reduction of wetting speeds and decreased detergency from build up of hardness in saturators.
- \* Improves wash up in silicate pad batch bleach systems.
- \* Outstanding properties for "soaping off" of reactive dyes.

#### **PHYSICAL PROPERTIES**

Chemical Nature	Complex proprietary polymeric mixture
Physical Appearance	Dark amber liquid
pH (5%)	7-9
Ionic Nature	Anionic
Specific Gravity	1.28 at 72 °F
Density	10.67 lbs./gal

#### **GENERAL APPLICATION RECOMMENDATIONS**

Dilution: **MA-SEQ P** is easily soluble in water.



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## **RECOMMENDED USAGE**

### **A. Peroxide Bleaching:**

1.0 - 3.0 g/l Ma-Seq P used in combination with stabilizer in bleach bath.

### **B. Caustic Treatments:**

2.0 - 5.0 g/l in kier boiling, caustic saturator, caustic scour.

### **C. Pad Batch Bleaching:**

2.0 - 5.0 g/l added to pad formula.

### **D. Dyeing**

0.25 - 1.0% owf in addition to typical dye bath additives.

### **E. Soaping off of Reactive Dyes:**

If reactive dyestuffs total <4%, post scour or "soap off" with:

0.5 - 1.0 g/l. - **MA-SEQ P**

190°F. - 15 min.

Rinse until clear

If wetting is needed or if reactive dyestuffs total >4%, post scour or "soap off" with:

0.5 - 1.0 g/l. **MA-SEQ P**

1.0 g/l. **Ma-Soap REA**

190°F. for 15 min.

Rinse until clear

## **STORAGE AND HANDLING**

**MA-SEQ P** may freeze if exposed to temperatures below 20°F. If this occurs, allow thawing completely at room temperature and stir well before using. For industrial use only. The usual precautions in keeping chemicals from skin and eyes, avoiding ingestion and prolonged inhalation of vapors should be observed.