



MapleSolutions

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

TECHNICAL BULLETIN

STATEMENT OF USE

MA-SEQ P2 is a product developed for use in cotton and polyester dyeing. It uniquely combines outstanding dispersant properties, ability to increase solubility of reactive dyes, ability to substantially increase the salt tolerance of dye carriers and disperse dyes, and control effects of water hardness in dyeing. **MA-SEQ P2** will give improvements in levelness of dyeing and reduction in dye and carrier stain problems that will result in cleaner dyeing machines. **MA-SEQ P2** is effective in reducing trimer build-up in equipment and on fabric, particularly packages and beams dyeing. If used in the reductive clear procedure, **MA-SEQ P2** will suspend trimer that will give improved removal during rinsing. **MA-SEQ P2** is an ideal product for use in one-bath disperse/direct or disperse/reactive dye formulas in all types of equipment.

OUTSTANDING PROPERTIES

- * Outstanding properties for "soaping off" of reactive dyes
- * No shade change during "soaping off" of reactive dyes
- * Improves the dispersion of disperse dyes
- * Increases the salt tolerance of disperse dyes
- * Increases the salt tolerance of carriers
- * Increases the solubility of reactive and direct dyes
- * Prevents effects of water hardness on direct or reactive dyes
- * Reduces deposits on dyeing machinery
- * Reduces trimer build-up in pressure dyeing equipment
- * Non-foaming
- * Replaces SHMP in dyeing
- * Will not strip metal from metal complex dyes

PHYSICAL PROPERTIES

Chemical Nature	Complex proprietary mixture
Physical Appearance	Dark brown liquid
pH (as is)	7 - 8
Ionic Nature	Anionic
Specific Gravity	1.23 at 72° F.
Viscosity	300 cps (Brookfield RVF #5 @ 100 RPM)

GENERAL USE PROCEDURE

Dilution: **MA-SEQ P2** is easily soluble in cold water in all proportions.

RECOMMENDED USAGE

Dye Baths:

Disperse Dye: 0.25 to 1.0 grams/liter
Reactive/Direct Dye: 1.0 to 2.0 grams/liter

Dye Mixing:

3% on the weight of dye should be used

MA-SEQ P2 can be mixed with dyes during dye make up or added to the machine at the start of the dye cycle.

In the case of improvement of salt compatibility of disperse dye and carrier, **MA-SEQ P2** must be introduced in the dye chamber before the addition of salt.

Where normal dye solubility is exceeded, such as in high concentration drug room mixing situations or short liquor ratio dyeing, **MA-SEQ P2** should be added prior to the addition of dye to maximize solubility.



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Soaping off of Reactive Dyes:

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

0.5 - 1.0 g/l. – **MA-SEQ P2**
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 P2**
1.0 g/l **Ma-Wet DRPS**
190° F. for 15 min.
Rinse until clear

Reductive Clearing of Disperse dyes on Polyester:

1% - **MA-SEQ P2**
2% - Soda Ash
2% - Sodium hydrosulfite
180° F. -15 minutes
Drop reductive bath hot

STORAGE AND HANDLING

If exposed to temperatures below 32° F, **MA-SEQ P2** may freeze. If this condition occurs, allow to thaw completely at room temperature and stir well before using. For industrial use only. Refer to the Material Safety Data Sheet for this product for recommendations on storage, handling, and personal protective equipment required.

PACKAGING

Available in returnable drums.

PHYSIOLOGICAL DATA

For Industrial Use Only: The usual precautions in keeping chemicals from the eyes and skin and avoiding ingestion and prolonged inhalation of vapors should be observed.

While every care has been taken to ensure the accuracy of the information contained in this publication, no warranty or liability will be accepted as the conditions of usage are beyond our control. Product specifications can be provided upon request.

Our Technical Sales Department is available to assist customers in preparing formulae and procedures to suit their specific requirements. Production trials are recommended to determine effectiveness. Process information submitted by our customers will be treated in confidence.