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# ROCKSOFT™ MPL

## Product #126

(Considerations in applications to Denim Garment Wet Processing.)

### I. INTRODUCTION:

**ROCKSOFT™ MPL** is a liquid cellulase intended to be used for stone washing denim garments while maintaining low backstaining. **ROCKSOFT™ MPL** has a wide operating range effective from 30°C to 60°C (86°F to 140°F) and a pH range effective from pH 4.5 to pH 6.5.

### II. PHYSICAL PROPERTIES:

Appearance: Dark amber (Note that color does not affect or reflect activity.)

Odor: Slight aromatic, not unpleasant

pH (as is): 6.5 ± 0.5 (at time of release)

Activity: ≥ 6,500 CMCase/g

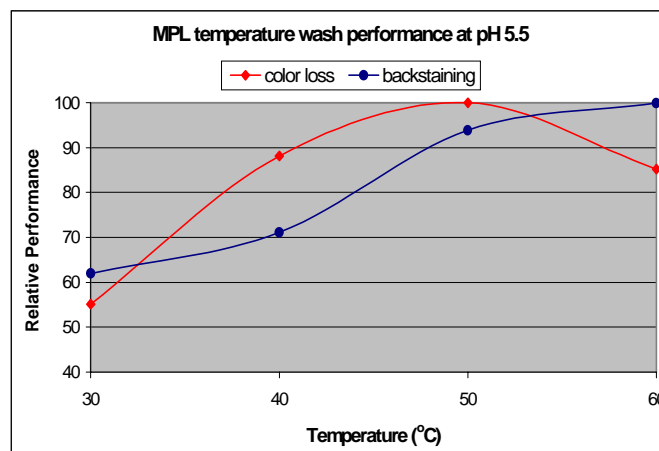
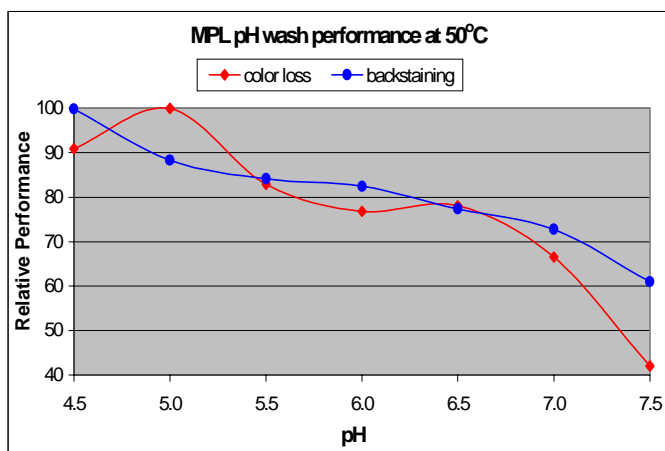
### III. PRODUCT CAPABILITIES:

When run as directed in this bulletin, **ROCKSOFT™ MPL** can be utilized to accomplish the following:

1. Significantly soften 100% cotton fabrics, both woven and knits.
2. Increases the "stone wash" effect on rotary washed garments when using a significant amount of pumice stones and/or other abrasives.

### IV. PROCESSING CONDITIONS: GENERAL

**ROCKSOFT™ MPL** will function from a pH of 5.0 to 6.5 and will function from 30°C to 60°C (86°F to 140°F). We recommend an operating pH of 5.0 to 5.5 and temperature of 40°C to 50°C (104°F to 122°F).



## **V. RECOMMENDATIONS FOR USAGE:**

### **Stonewashing:**

1. Follow your normal desize and rinse procedures that are currently being utilized. Insure that the bath and garments are at pH 4.5 to 6.0 before starting the low liquor ratio (cellulase) stoning cycle. (This is especially important if you use an alkaline desize.)
2. **ROCKSOFT™ MPL** functions at concentrations from 0.5% to 1.0% OWG. There are occasions where a higher concentrations may be used, however, we recommend that you run small trial loads before committing to production.
3. **ROCKSOFT™ MPL** is recommended for use in specialty denim processing in combination with a significant amount of pumice stones. (Not for animal or human consumption).

## **VI. STORAGE CONDITIONS:**

**ROCKSOFT™ MPL** retains more than 90% activity after four months when stored at 25°C (77 °F) out of direct sunlight and in the original, closed container. **ROCKSOFT™ MPL** also retains more than 90% activity after 1 month when stored at 38°C (100 °F). Do not let freeze.

## **VII. INACTIVATION:**

**ROCKSOFT™ MPL** can be inactivated by raising the pH above 11 or temperature above 71°C (160°F) or a combination of the two. After the desired effect has been achieved, we recommend inactivating **ROCKSOFT™ MPL** within the next operating bath.

## **VIII. PACKAGING:**

**ROCKSOFT™ MPL** is packaged in 240 kg polyethylene drums.

## **IX. TECHNICAL SERVICE:**

Information covering specific applications for this product is available from your Dyadic International, Inc. sales/technical representative. Call your sales/technical representative for any questions, comments, or help that you need!

**Nothing disclosed is to be construed as a recommendation to use out products in violation of any patents. The information presented is believed to be accurate. However, said information and products are offered without warranty or guarantee, except as to the composition and purity stated herein since the ultimate conditions of use and variability of the materials treated is beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. The goods described herein are sold as is and with all faults. The seller specifically disclaims all warranties in connection with the sale of the goods, both express and implied, including, without limitation, the warranties of merchantability and fitness for any particular purpose, as those terms are defined in the uniform commercial code of Florida. The seller shall not be liable for any incidental or consequential damages whatsoever.**