



PERFORMANCE FEATURES

- Soil Release
- Wicking Aid
- Soft Hand
- Anti-crease

Product Description

Ulterion® MSR is a solid nonionic polyester copolymer. It is designed to provide superior soil release properties to polyester and poly/cotton fabrics. The product is dispersible in water. This type of finish also imparts improved wicking and anti-static properties, which make polyester containing fabrics, feel softer, cooler and generally more comfortable.

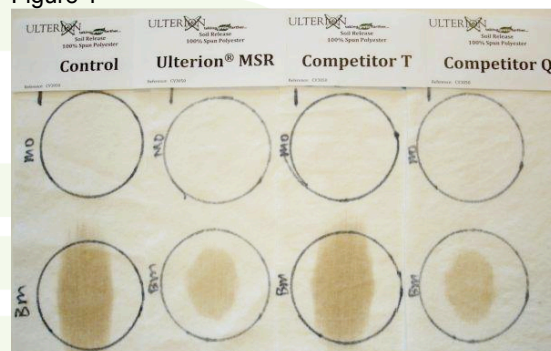
Soil Release

Polyester fabrics treated with the dispersion of **Ulterion® MSR** exhibit superior soil release and stain resistant properties to a wide variety of stains including grease, oil and food additives. As seen in Figure 1, **Ulterion® MSR** exhibits excellent release of burnt motor oil when applied via a 0.75% solids pad bath to 100% spun polyester.

MARKET USES

- Textile finishing and dyeing
 - Moisture Management
 - Soil Release
- Polyblocker for denim

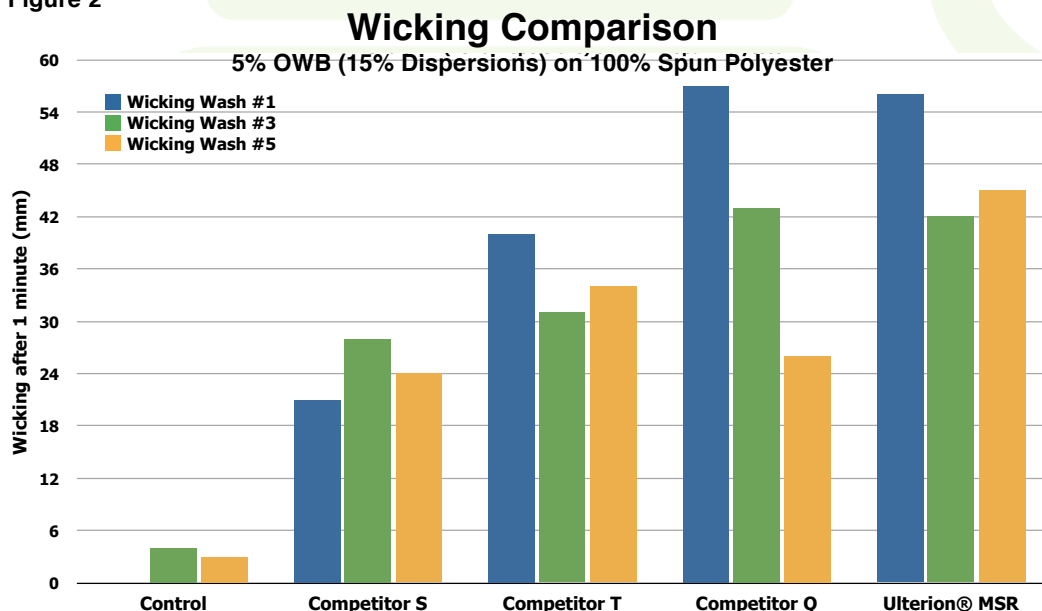
Figure 1



Improved Wicking

Polyester and polyester/cotton fabrics treated with the dispersion of **Ulterion® MSR** exhibit improved wicking and moisture transport features. This gives these fabrics the ability to wick moisture and perspiration away from the skin making them more comfortable and cotton-like. See Figure 2.

Figure 2



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ULTERION

taking solutions farther.™



Exceptional Softness

The dispersion of **Ulterion® MSR** treated fabrics feel exceptionally soft and supple due to antistatic properties and the slick hand imparted.

Anti-Crease

Due to the ability to relax the fabric, the dispersion of **Ulterion® MSR** also prevents the creased normally associated with the dyeing of polyester fabric.

Typical Properties

Appearance	Milky White Solid
Solids, %	100
Ph @ 25%	4.0 - 5.0
Melt Flow Point	34°C (93°F)
Origin	USA

Dispersion Procedure

For maximum shelf life the **Ulterion® MSR** should be melted to 95 - 110°C (203 - 230°F) and slowly introduced into chilled water at 0 - 5°C (32 - 41°F) till the targeted solids are met. See Figure 3 for an expected viscosity profile. Depending on process conditions, the viscosity may vary significantly above 20% solids.

Application Methods

Soil Release/Moisture Management

Ulterion® MSR should be dosed at a minimum level of 0.75% bath solids for pad bath applications. Exhaustion applications should be dosed at levels of 2.5 - 5.0% OWG.

Polyblocker for Denim

Ulterion® MSR dosage rate of 0.1 - 3.0% OWG is recommended.

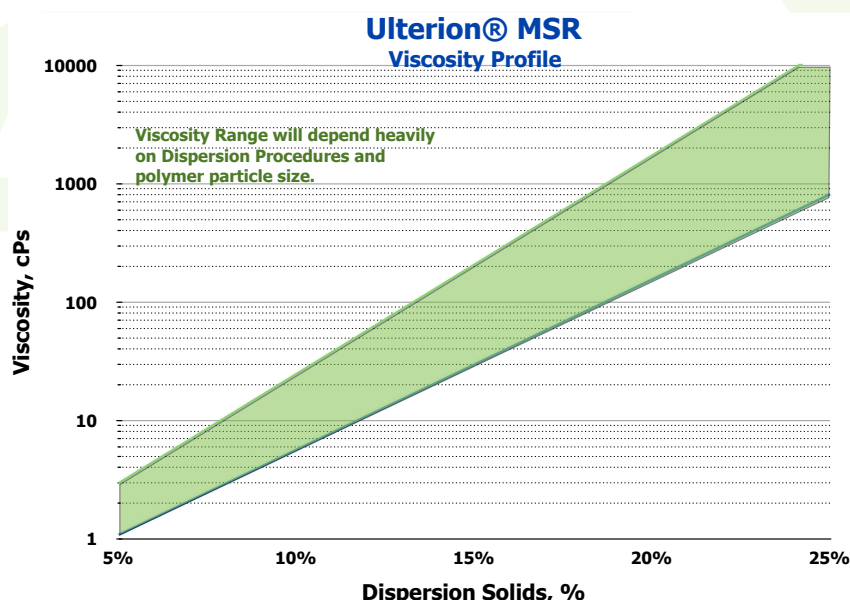
Handling & Storage/Stability

There are no special storage requirements for **Ulterion® MSR**. For suggested dispersion procedures contact your local Ulterion International Representative. Dispersion of **Ulterion® MSR** should be stored in cool environments to insure maximum shelf life. For best results, these dispersions should be used within one year.

Product Safety

When considering the use of **Ulterion®** brand products, please refer to the latest Safety Data Sheets (SDS). If a SDS for this product is required, please contact your **Jain Chem Representative**.

Figure 3



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