

Magnasoft™ OPS Textile Softener

Product Description

Magnasoft OPS textile softener is a specialty silicone emulsion that has been shown to provide multiple performance benefits on virtually all types of fabric. It is an excellent candidate to consider for an optimum balance of in-depth softness with dry/cool feel, fabric drapeability, hydrophilicity for absorbency fabric and bath stability in textile finishing processes.

Magnasoft OPS textile softener has been tested and shown to deliver a differentiated feel compared to fabrics treated with conventional amino-functional silicones. In contrast with the conventional amino-functional silicone softeners, Magnasoft OPS textile softener provided a more comfortable feel, with skin-like touch, in addition to being virtually non-yellowing on fabrics and minimizing processing difficulties in a variety of textile finishing conditions.

Magnasoft OPS textile softener is a water-based emulsion that is manufactured without the use of alkylphenol ethoxylates (APEO) and therefore it is readily applicable for use in virtually any conventional finishing and/or printing processes in textile dyeing and finishing mills.

Key Features and Typical Benefits

- Full softness, slickness and resilience
- A “dry and cool-touch” for cotton and cotton blended fabrics; non-greasy and natural touch noticeably distinguishable from that of conventional amino-functional silicones
- Improved fabric drapeability and wrinkle resistance
- Minimal impact on the hydrophilic nature of cotton and other cellulose fabrics
- Shear stability, even in alkaline and high temperature bath conditions
- Highly resistant to yellowing on white fabrics and to discoloration on colored fabrics
- Versatile compatibility with typical bath conditions for textile finishing
- Water dispersible; ready-to-use in textile finishing processes
- Widely applicable for most available methods and equipment for textile finishing

Typical Physical Properties

Appearance	Milky white liquid
Viscosity at 25 °C, cPs	50 max.
pH at 25 °C	9
Emulsion	Nonionic
Density, g/ml	1.0

Typical properties are average data and are not to be used as or to develop specifications.

Potential Applications

Magnasoft OPS textile softener is an excellent candidate to consider for a wide range of advantages on virtually all types of fabric. It has been shown to be particularly effective on cotton knits, cotton sheets, cotton/spandex blends, polyester knits, polyester/cotton blends and other cellulose fabrics where it helped provide an optimally balanced hand of softness, slickness and smoothness with dry and cool feel, as well as a reasonable level of hydrophilicity for absorbency.

In tests, Magnasoft OPS textile softener generally possessed excellent shear stability over a wide bath pH range (4-10), at high bath temperature (up to 60 °C) in the presence of salts. These test results indicated that Magnasoft OPS textile softener may be considered for use in most textile finishing methods including padding, exhaustion and spray.

Optimal dosage levels of Magnasoft OPS textile softener depend on the type of fabric level of softness required, but 10-50 g is recommended as a typical starting point.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Customer Service Centers

For additional information, please contact our Customer Service Team

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