

Magnasoft™ MT80 Textile Softener

Product Description

Magnasoft MT80 textile softener is a novel linear, polydimethylsiloxane - amino polyalkyleneoxide copolymer. It is designed to provide soft, silky, full hand to fabrics treated with fluorocarbon soil release additives, while incurring little or no interference with the soil release properties. The softness provided by Magnasoft MT80 softener is durable for numerous detergent washes. Magnasoft MT80 textile softener imparts superior softness and very low yellowing, compared to conventional aminosilicones, when applied to a wide variety of fabrics. In addition, fabrics treated with Magnasoft MT80 textile softener are not hydrophobic. It imparts a slow-wetting character to fabrics.

Key Features and Typical Benefits

Magnasoft MT80 textile softener provides performance properties in both the textile finishing process and the treated fabric:

- does not interfere with soil release properties of fabrics treated with fluorocarbon soil release agents
- can be coapplied with fluorocarbon soil release agents
- provides a high level of softness for all types of fabrics
- is easily diluted with water or alcohol
- provides dilutions that are extremely shear stable
- provides water dilutions that have excellent compatibility with finishing baths
- very low yellowing
- is an excellent material of choice for all normal application methods such as pad bath, exhaustion and spray

Typical Physical Properties

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| Appearance | Translucent yellow liquid |
| Viscosity at 25 °C, cP | 2500 |
| Specific Gravity, 25/25 °C | 1.02 |
| Amine Content, % | 0.13 |
| Active Copolymer Concentration, % | 30 |
| Solvent | Dipropylene glycol |
| Preferred Diluent | Water |

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

Potential Applications

Magnasoft MT80 textile softener is a great candidate for use in textile finishing as a premium softener for all types of fabrics, including cotton, synthetics and cotton/synthetic blends, and especially for those that are also treated with fluorocarbon soil release agents. It is a very effective softener for use in wrinkle-free garments that are treated with durable press resin and fluorocarbon soil release agent. It is also a superior softener for knit and woven fabrics, including those that are durable press resin-treated. Since Magnasoft MT80 textile softener does not require emulsification, its water dilutions have excellent shear stability. Therefore, it is an excellent softener for applications where normal, emulsified softeners do not show adequate shear stability (such as in EVAC systems). Magnasoft MT80 textile softener is normally applied as a water dilution that is blended into the treatment bath formulation to provide the desired silicone add-on.

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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