

## Magnasoft™ HTS Textile Softener

### Product Description

Magnasoft HTS textile softener is a newly designed textile softener based on a linear [AB]<sub>n</sub> block-copolymer platform. It can help impart hydrophilic properties with washing-durable softness to fibers and textiles.

Magnasoft HTS textile softener is water-dispersible and is an excellent candidate to consider for use in textile mills either directly as received or in a diluted form for padding and exhaustion applications that require outstanding shear stability. It can also help prevent oil spotting on fabrics when applied in the textile finishing process.

### Key Features and Typical Benefits

- Silicone molecule is based on [AB]<sub>n</sub> block-copolymer technology
- Can help impart unique smoothness and natural softness to woven and knitted fabrics
- Outstanding hydrophilic properties to cotton goods
- Washing-durable softness to home laundry
- Can be considered for use with various types of fibers and textiles
- Low fabric yellowing property
- Very stable in routine textile finish processes and may be applied in combination with fluorocarbon soil release finish in the padding continuous process
- Ready-to-use: low viscosity, easily disperses and dilutes with water
- Excellent candidate to consider for both padding and exhaust applications
- Contains no added alkyl phenol-based chemicals (APEO free)

### Typical Physical Properties

Appearance	Colorless to yellowish liquid
Solid Content, %	35
Viscosity (cPs, 25 °C)	<400
Specific Gravity, 25 °C	1.0
Suitable Dilutant	Water

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

### Potential Applications

Magnasoft HTS textile softener can be considered for use on various types of fabrics, including:

- Cotton and cotton blended woven and knits
- Cotton denim and corduroy
- Wool and wool blended knits and woven
- Viscose rayon, CVC woven

### General Considerations for Use

Magnasoft HTS textile softener can be directly applied without pre-diluting because of its excellent water dispersibility. However, it is recommended to pre-dilute with water prior to application in the textile finish process.

The optimum dosage depends on the required softness, type of fabric and finishing conditions. 7~20 g/L is the starting dosage generally recommended for cotton woven goods. The following are sample processes and dosages that are subject to adjustment based upon the user's particular materials and procedures.

## Magnasoft HTS Textile Softener

### 1. Pad-dry Process (for 100% cotton woven)

Dosage	: 7 ~ 20 g/L
pH	: 5.0 ~ 7.0
Temperature	: Room temp.
Drying	: 100 ~ 130 °C

### 2. Exhaustion Process (for 100% cotton knitted)

Dosage	: 1.0 ~ 2.0% on the weight of fabric
Liquor ratio	: 1/8 ~ 1/20
pH	: 5.5 ~ 7.0
Temperature	: 40 °C
Time	: 20 ~ 30 min.
Drying	: 100 ~ 130 °C

### 3. Garment Washing Process

Dosage	: 1.0 ~ 2.0% on the weight of garment
Condition	: Same as exhaustion process

#### 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](http://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

<b>AMERICAS</b>	+1 800 295 2392 Toll Free* +704 805 6946 Direct Number
<b>LATIN AMERICA</b>	<b>BRAZIL</b> +55 11 4534 9650 Direct Number <b>MEXICO</b> +52 55 2169 7670 Direct Number *All American countries
<b>EMEA - EUROPE, MIDDLE EAST, AFRICA &amp; INDIA</b>	<b>EUROPE</b> +390510924300 Direct Number <b>INDIA, MIDDLE EAST &amp; AFRICA</b> +91 44 71212207 Direct Number* *All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka
<b>ASIA PACIFIC</b>	<b>CHINA</b> 800 820 0202 Toll Free +86 21 3860 4892 Direct Number <b>JAPAN</b> +81 3 5544 311 Direct Number <b>KOREA</b> +82 2 6201 4600 Direct Number <b>SOUTH EAST ASIA, AUSTRALIA &amp; NEW ZEALAND</b> +60 3 9206 1543 Direct Number* *All East Asia countries (Malaysia, Singapore, Thailand, Indonesia, Vietnam, Philippines, Cambodia, Myanmar / other countries located in Pacific region)
<b>Visit us at <a href="http://www.momentive.com">www.momentive.com</a></b>	

**DISCLAIMER** - THE MATERIALS, PRODUCTS, AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS, INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER") ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS, OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, OR SERVICES DESCRIBED HEREIN.

Each user bears full responsibility for making its own determination as to the suitability of Supplier's materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service, or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service, or design in the infringement of any patent or other intellectual property right.

The use of the "™" symbol designates registered or unregistered trademarks of Momentive Performance Materials Inc. or its affiliated companies.

Momentive and the Momentive logo are registered trademarks of Momentive Performance Materials, Inc.

Copyright 2023 Momentive Performance Materials, Inc. All rights reserved.



260 Hudson River Road  
Waterford, NY 12188 USA  
[momentive.com](http://momentive.com)