

Magnasoft™ 68 Textile Softener

Magnasoft* 68 textile softener

Description

Magnasoft* 68 textile softener is a self cross-linkable silicone emulsion that can help impart exceptional surface smoothness to most types of cotton and synthetic fibers. It contains a modified reactive functional group that is cross-linkable to form a special two dimensional elastomeric film on treated fabrics. Upon drying or curing, it can deliver superior smoothness and elastomeric soft hand-feel to knitted or woven fabrics, as compared with conventional amino modified silicones softeners.

Magnasoft 68 textile softener contains no alkyl phenol based chemicals (APEO free).

Key Features and Typical Benefits

- Self cross-linkable and elastic film forming properties after drying or curing.
- No catalyst is needed for cross-linking.
- Can help impart outstanding smooth & slick softness to various types of fabric.
- Can help improve fabric elasticity and resiliency.
- Can help reduce wrinkles on fabrics.
- Can help improve the tear strength of fabrics.
- Stable in the pH range between 4-10.
- Good shear stability of the emulsion.
- Contains no alkyl phenol based chemicals (APEO free).
- Compatibility with most finishing additives.
- Can be applied by exhaustion or padding continuous process.
- Easy-to-handle, water-dispersible emulsion.
- May be economical to use.

Potential Applications

The diluted Magnasoft 68 textile softener microemulsion can be applied by most padding or exhaustion finishing processes and may also be considered for the garment washing process.

- Cotton or cotton / PE blended woven goods
- Mercerized cotton goods
- Wool / wool blended knits and worsted wool woven
- Polyester fiber and thread lubricants
- Softener in wrinkle free finish

Typical Physical Properties

Property	Value
Appearance	Milky White liquid
Solid content (%)	31
Viscosity, 25°C, #3/6, cps	< 50
Specific gravity, 25°C (77°F)	1.0
pH (25°C)	8
Ionic character	Cationic
Suitable dilutant	Water

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive sales office.

General Instructions for Use

Magnasoft 68 textile softener is a ready-to-use, water dispersible emulsion and can be applied as received. However, it is recommended to pre-dilute it with cold water before adding to the textile-finishing bath.

The optimum dosage depends on the required softness, type of fabric and finishing conditions. The following application conditions are typical starting points :

- Pad-dry-cure continuous process

Dosage	:	20 ~ 50 g/L
pH	:	6.0 ~ 8.0
Temperature	:	ambient
Pick-up	:	65 ~ 100%
Drying	:	100 ~ 130°C x 1 ~ 3 min.

- Exhaustion process

Dosage	:	2.0 ~ 5.0% of the weight of the fabric
Liquor ratio	:	$1/10 \sim 1/20$
pH	:	6.0 ~ 8.0
Temperature	:	20 ~ 40°C
Time	:	15 ~ 30 minutes
Drying	:	100 ~ 120°C

- Garment Washing Process

Dosage as received : 2.0 ~ 5.0 % of the weight of the garment

Conditions : Same as exhaustion process

Precautions

[1] Dilute with cold or warm water

Magnasoft 68 textile softener is generally stable in hard water. However, if the water supply has a hardness of 200ppm or higher, softened water or boiler condensate is recommended as a diluent.

[2] Compatibility

The Magnasoft 68 textile softener may not be compatible with certain materials, such as anionics, lower alcohols, salts, etc., which may break the silicone emulsion. It is recommended that any mixture of reactive emulsions with other materials be thoroughly checked before it is put into factory production.

Patent Status

Standard copy to come

Product Safety, Handling and Storage

Standard copy to come

Limitations

Standard copy to come

Contact Information

Email

commercial.services@momentive.com

Telephone

Americas	Latin America	EMEAI- Europe, Middle East, Africa & India	ASIA PACIFIC
+1 800 295 2392 Toll free* +704 805 6946 Direct Number	Brazil +55 11 4534 9650 Direct Number	Europe +390510924300 Direct number	China 800 820 0202 Toll free +86 21 3860 4892 Direct number
All American countries	Mexico +52 55 2169 7670 Direct Number	India, Middle East & Africa + 91 44 71212207 Direct number	Japan +81 3 5544 3111 Direct number
		*All Middle Eastern countries, Africa, India,	Korea +82 2 6201 4600

For literature and technical assistance, visit our website at: www.momentive.com

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.

* Magnasoft™は Momentive Performance Materials Inc. の商標です。

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 trademarks of Momentive Performance Materials Inc.