

MAGNASOFT* 68

textile softener

SPECIALTY FLUIDS - TEXTILES & LEATHER



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 help deliver superior smoothness and elastomeric soft hand-feel to knitted or woven fabrics, as compared to 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 and 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.

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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:

1. 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 minutes

2. Exhaustion Process

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

3. Garment Washing Process

Dosage as Received : 2.0 ~ 5.0% of the weight of the garment
Conditions : Same as exhaustion process

Precautions

[1] Dilution 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.

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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 considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products 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.

Emergency Service

Momentive Performance Materials maintains an around-the-clock emergency service for its products. The American Chemistry Council (CHEMTREC) and CareChem24 International also maintain an around-the-clock emergency service for all chemical products:

Location	Momentive Performance Materials Products	All Chemical Products
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Canada	518.233.2500	CHEMTREC: 800.424.9300
Europe	+518.233.2500 (Albanian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbo-Croatian, Slovak, Spanish, Swedish, Turkish, Ukrainian)	+44.(0)208.762.8322 (UK)
Middle East,		
All countries, except Israel	+518.233.2500	+961.3.487.287 (Lebanon)
Middle East, Israel	+518.233.2500	+44.(0)208.762.8322 (UK)
Latin America, Asia/Pacific, all other locations worldwide	+518.233.2500	CHEMTREC: +1-703.527.3887 (collect)
At sea	Radio U.S. Coast Guard, which can directly contact Momentive Performance Materials at 518.233.2500 or CHEMTREC at 800.424.9300.	

DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

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