

## Magnasoft\* 68

### 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°Cx 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

## Percautions

### [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**

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.

### **Contact Information**

For product prices, availability, or order placement, contact our customer service at [Momentive.com/CustomerService/](http://Momentive.com/CustomerService/)

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

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