

MAGNASOFT* 707

textile softener

SPECIALTY FLUIDS - TEXTILES & LEATHER



Magnasoft 707 textile softener is a silicone emulsion formulated by an advanced emulsification technology. It typically provides superior slickness and excellent stretch-recovery, as compared to conventional amino silicone softeners.

Key Features and Typical Benefits

- provides pliable touch as well as slippery softness.
- imparts bouncy softness and an outstanding stretch-recovery.
- gives excellent color deepening shade effects, particularly to dark colored fabrics dyed with disperse, indigo and reactive dyes of black and navy blue.
- contains low levels of emulsifier and thus does not reduce dry and wet rubbing fastness and minimizes dye-stuff and/or pigment migration on fabrics after finishing.
- moderate water repellence on all types of fabric.
- significantly improves fabric tear and tensile strength.
- typically economical; extremely low dosage level.

Potential Applications

The diluted Magnasoft 707 textile softener can be applied by most padding or exhaustion finishing processes, as well as garment washing processes, and may be considered for use with the following types of fabric:

- cotton and cotton blends woven and knit requiring excellent stretch-recovery
- cotton denim and corduroy
- viscose rayon and acetate fabrics
- cotton/Spandex and Nylon/Spandex blended fabrics
- polyester artificial fur fabric used in soft toys, etc.
- heavy weight polyester woven
- color deepening agent for polyester jet black woven (bluish black shade)

Typical Physical Properties

Property	Value
Appearance	Milky white liquid
Solid Content (%)	41
Viscosity, 25°C, 1/60 rpm, cps	< 25
Specific Gravity, 25°C (77°F)	1.0
pH (25°C)	7.5
Ionic Character	Non-ionic
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 707 textile softener is provided in a ready-to-use high solids content form that can be applied as received. Because of the high solids content, it is advisable to dilute 30 parts of Magnasoft 707 textile softener with 70 parts water prior to application in the textile finish bath.

The optimum dosage depends on the required softness, type of fabric and finishing conditions. The following application conditions are common initial rates:

1. Pad-dry-cure Continuous Process

Dosage : 10 ~ 30 g/L
pH : No need to adjust
Temperature : Ambient
Pick-up : 65 ~ 100%
Drying : 100 ~ 130°C x 1 - 3 min.

2. Exhaustion Process

Dosage : 1.0 ~ 3.0% of the weight of the fabric
Liquor Ratio : 1/8 ~ 1/20
pH : No need to adjust
Temperature : Ambient
Time : 20 ~ 30 minutes
Drying : 100 ~ 120°C

3. Garment Washing Process

Dosage : 1.0 ~ 3.0% of the weight of the garment
Conditions : Same as exhaustion process

Precautions

[1] Dilute with cold or warm water

Magnasoft 707 textile softener is generally stable in hard water. However, should the water supply be of 200ppm hardness or higher, softened water or boiler condensate is recommended as a diluent.

[2] Compatibility

Magnasoft 707 textile softener may not be compatible with certain materials, such as anionics, lower alcohols, salts, etc., which may break the silicone emulsion. Any mixture of reactive emulsions with other materials should be thoroughly checked before it is put into factory production.

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Patent Status

Technical subject matter in this publication is described and protected by one or more of the following U.S. Patents and their foreign counterpart patents and/or patent applications: U.S. Patent No. 5,593,611. Other U.S. and foreign patents and/or patent applications not listed covering the subject matter may be relevant.

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:

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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)
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All countries, except Israel	+518.233.2500	+961.3.487.287 (Lebanon)
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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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Worldwide Hotline		T +1.607.786.8131 T +1.800.295.2392	F +1.607.786.8309

Visit us at Momentive.com



Momentive Performance Materials
22 Corporate Woods Boulevard
Albany, NY 12211

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MOM-134-129-10E-GL 04/11 Printed in U.S.A.

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