

Magnasoft™ Plus LT Textile Softener

Product Description

Magnasoft Plus LT textile softener is a specially engineered, low-amino-containing silicone fluid that is an excellent candidate material to maximize the soft and silky fabric hand feel provided by conventional amino-modified silicone fluids but with significantly less yellowing.

Emulsions prepared from Magnasoft Plus LT textile softener fluid impart excellent softness when applied to 100% cotton knits and woven, polyester/cotton blends, rayon, prints, and a variety of other fabrics, with and without durable press resin.

Key Features and Typical Benefits

- Low yellowing
- Easy to emulsify and formulate
- Excellent hand feel
- Low cyclic siloxane content (D4, D5, and D6 each less than 1000 ppm)

Typical Physical Properties

Appearance	Colorless liquid
Viscosity at 25 °C, cP	4000
Specific gravity at 25 °C	0.97
Silicone Actives, %	100

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

Potential Applications

Magnasoft Plus LT textile softener can be used for the textile industry.

Preparation of Milky Emulsions

When it is desirable to formulate an emulsion based on Magnasoft Plus LT textile softener, the following formulations and emulsification procedure are suggestions. Depending on available emulsification equipment, the formulations and procedure may need to be modified, as users should determine suitability for their particular use through analysis and testing.

Suggested Formulation to Emulsify Magnasoft Plus LT Textile Softener

INGREDIENTS	WEIGHT PERCENT (%)		
	A	B	C
Magnasoft Plus LT textile softener	20.0	20.0	30.0
Tergitol Surfactant TMN-6 (1)	3.0	4.0	3.3
Tergitol Surfactant 15-S-7 (1)	2.0	-	-
Neodol 91-6 (2)	-	-	2.1
Initial water #1	4.0	4.0	7.5
Initial water #2	4.0	4.0	-
Initial water #3	10.0	10.0	-
Final Water	57.0	57.1	46.0
Sodium Acetate (10%)	0	0.5	0.5
Glacial Acetic acid	0	0.4	0.6

(1) Dow Chemical

(2) Shell Chemical Company

Suggested Emulsifying Procedure

1. Charge Magnasoft Plus LT textile softener and emulsifier(s) in a suitable vessel and mix at ~300 RPM for approximately two minutes
2. Slowly add Water #1 and stir for 10 minutes
3. Slowly add Water #2 and stir for 10 minutes
4. Slowly add Water #3 (when present) and stir for 10 minutes
5. Slowly add Final Water and stir for five minutes
6. Slowly add Glacial Acetic Acid (when present) and stir for five minutes
7. Slowly add Sodium Acetate solution (when present) and stir for five minutes

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 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

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