

Magnasoft™ 530 Concentrate Textile Softener

Product Description

Magnasoft 530 concentrate textile softener is a specialty silicone emulsion that can be considered for use as a cotton terry towel softener. Magnasoft 530 concentrate textile softener typically provides voluminous hand-feel in addition to good water-absorption.

Magnasoft 530 concentrate textile softener is also an excellent candidate to consider as a hydrophilic softener for virtually all types of cellulose fabrics including cotton knits and woven.

Magnasoft 530 concentrate textile softener is a water-based emulsion that is virtually free of APEO; it is readily applicable in typical finishing baths for cotton terry towels, cotton, and cotton blended fabrics.

Key Features and Typical Benefits

- Luxuriously voluminous touch with soft feel for cotton terry towels and cotton fabrics
- Treated fabric spreads and quickly absorbs water
- The hydrophilicity of the treated fabric is independent of the drying/curing conditions and is retained on aging
- Virtually non-yellowing of the treated fabrics
- Can be co-applied with typical organic softeners such as cationic fatty acid amide in a finishing bath
- Virtually no impact on file raising of cotton terry towels
- Superior stability at broad pH and temperature range (up to 80°C and pH10) in typical textile finishing formulations
- Shear stable in typical padding and exhaustion processes including jet finishing and soft flow finishing
- May be compatible with durable press system, anti-static agents, and optionally optical brightening agent
- Water dispersible and ready-to-use in most textile finishing processes
- Virtually APEO free; typically less than 1,000 ppm of D4

Typical Physical Properties

Appearance	Hazy to pale yellow liquid
Solid Content, %	75-85
Preferred Diluent	Water

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

Potential Applications

Magnasoft 530 concentrate textile softener is an excellent candidate to deliver a wide range of advantages to virtually all types of cellulose fabric such as:

- Cotton terry towel
- Cotton knits and sheets
- Cotton / Polyester blends
- Other cellulose fabrics

Magnasoft 530 concentrate textile softener can be applied in a textile finishing bath by either padding or exhaustion. To optimize the hand feel of cotton terry towels, it is desirable to co-apply Magnasoft 530 concentrate textile softener with organic softeners, e.g., cationic fatty acid amide in the finishing bath.

Optimum dosage of Magnasoft 530 concentrate textile softener is subject to the type of fabric and the performance required, but 15~40 g/l (padding application) or 1.5%~4% (exhaustion application) o.w.f. of Magnasoft 530 concentrate textile softener as received is typically recommended.

Dilution Process:

Raw Material	% Weight
Magnasoft 530 Concentrate Textile Softener	20.00
DM Water	79.78
Acetic Acid	0.2
Preservative	0.02

Procedure:

Shake the Magnasoft 530 concentrate textile softener container before using. Charge the complete quantity of Magnasoft 530 concentrate textile softener into the reactor. Start mixing at 100-600 rpm. Add acetic acid and mix. Add first 10% water under slow and constant speed @ 60 mins into the reactor having Magnasoft 530 concentrate textile softener. After adding 10% water, clear to straw color gel will form. Add the remaining quantity of water slowly @ 120 mins, under constant mixing. A clear transparent bluish emulsion will form. At this stage, reduce RPM to 60. High RPM will generate the foam.

Note:

- Before taking plant, trials run a lab trial
- In case the emulsion is not clear in the lab add 1% TDA 6 at the initial stage

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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