

Magnasoft™ 986NT Textile Softener

Product Description

Magnasoft 986NT hydrophilic softener is an organosilicone copolymer for a variety of fabrics, such as cotton, rayon, polyester, polyamide, wool, cashmere, acrylic fabrics and their blends and for nonwoven material requiring hydrophilic finishing. Magnasoft 986NT hydrophilic softener is non-ionic in nature and therefore compatible in baths typically used for textile finishing processes. Magnasoft 986NT hydrophilic softener can be considered for use in jet-dyeing and EVAC systems.

Key Features and Typical Benefits

- Instant rewetting and hydrophilic properties to most fabrics including terry towel
- Effective on virtually all types of fabric
- Virtually no fabric yellowing and discoloration
- Excellent shear stability
- Easily diluted with water
- Produced without the use of APEO's

Typical Physical Properties

Appearance	Transparent to slightly hazy liquid
Color (APHA)	150
Viscosity at 25 °C, cSt	400
Specific gravity at 25 °C	1.08
Water Contents (%)	0.15 max.
Cloud Point (°C)	85
Freezing Point (°C)	12
Ionic Character	Nonionic

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

Potential Applications

Magnasoft 986NT hydrophilic softener can be applied in a finishing bath by either padding or exhaustion. Pre-dilution with water prior to applying in fabric finishing processes is typically recommended. Examples of dilution formulations are provided in the table below.

The optimum dosage is subject to the type of fabric and hydrophilic softness required. Typically, a 20% dilution of Magnasoft 986NT hydrophilic softener will be used at 10~40 g/l by padding or 2~5% on the weight of fabric by exhaustion.

Example of Diluting Formulation

	Formulation 1 (wt. %)	Formulation 2 (wt. %)
Magnasoft 986NT hydrophilic softener	20	40
Distilled Water	80	60
Preservative (if required)	Per manufacturer's recommendation	Per manufacturer's recommendation

Diluting Procedure

- Charge water in a mixer
- Slowly charge Magnasoft 986NT hydrophilic softener while stirring at 500 rpm
- Agitate at 500 rpm for 40~60 minutes till the dilution is fully homogeneous
- Add a preservative if required, and then agitating at 500 rpm for 10 minutes
- Packing through a filter

Product formulations are included as illustrative examples only. Momentive makes no representation or warranty of any kind with respect to any such formulations, including, without limitation, concerning the efficacy or safety of any product manufactured using such formulations.

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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