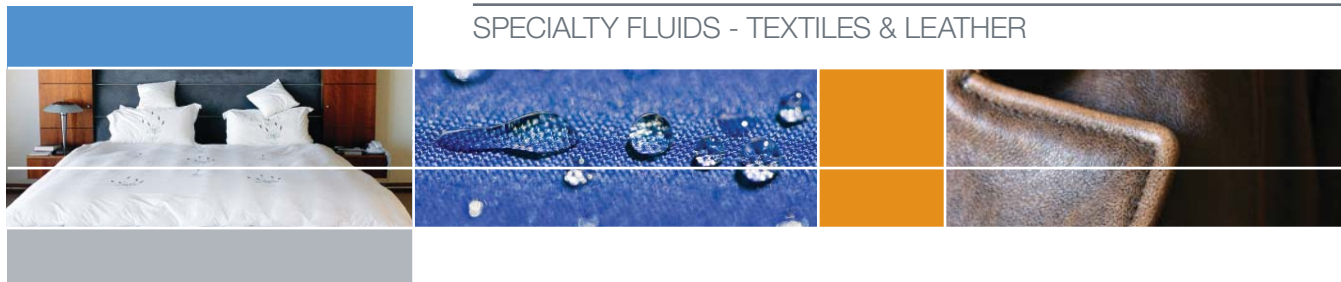


# MAGNASOFT\* 88

## textile softener

SPECIALTY FLUIDS - TEXTILES & LEATHER



Magnasoft 88 textile softener is an extremely high solids micro emulsion of a modified silicone fluid. It imparts durable, extra slippery and silky softness to various types of fabrics.

### Key Features and Typical Benefits

- slippery and silky softness as opposed to a greasy feel
- good emulsion stability and dilution stability
- despite being a concentrate, it easily disperses and dilutes in water
- good performance in both padding and exhaust applications
- concentrate; thus economical to use

### Potential Applications

Magnasoft 88 textile softener can be applied to all types of fabrics, but is particularly suitable for the fabrics listed below:

- cotton and cotton blended woven and knits
- polyester woven and fleece
- cotton/Spandex blended fabric
- wool and wool blended knits and woven
- viscose rayon, CYC and acetate woven

### Typical Physical Properties

Property	Value
Appearance	Transparent liquid
Solid Contents, %	72.5
Viscosity, 1/60 rpm (25°C), cps	3,500
Specific Gravity, 25°C (77°F)	1.00
pH	6
Ionic Nonionic	

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive sales office.

# MAGNASOFT\* 88 textile softener

## General Instructions for Use

Magnasoft 88 textile softener can be directly applied without pre-diluting because of its excellent water dispersibility. However, it is advised to pre-dilute with water, prior to application in the textile finish process. 20~50g/l of the dilution (20 parts Magnasoft 88 textile softener in 80 parts water) is the dosage generally recommended, although the dosage is subject to the softness required and type of fabric.

### 1. In case of pre-dilution prior to applying in textile finish bath

Magnasoft 88 textile softener	20 parts
Water	80 parts
Biocides	(a)

- charge 80 parts of water into a mixer
- slowly charge 20 parts of Magnasoft 88 textile softener into the mixer with stirring and continue to stir at about 500 rpm for 20 to 30 min., to get a micro emulsion solution.  
(a) Biocides must be used in accordance with local country regulations and manufacturer's label directions.

### 2. In case of direct application in textile finish bath

- charge water in preparation bath
- charge the required quantity of Magnasoft 88 textile softener in the preparation bath with stirring; and continue to stir for 5~10 min. until a homogeneous solution is obtained.

Due to its outstanding water dispersibility, Magnasoft 88 textile softener can be diluted in the container (such as a drum) by using hand stirring.

## Performance Data

Magnasoft 88 textile softener imparts a dry and slippery hand-feel. The stability of the emulsion and its dilution at high temperature and pH does not match that of Momentive's premium softeners such as Magnasoft SRS textile enhancer, Magnasoft JSS textile enhancer and Magnasoft ESC textile softener etc; but it is substantially better than that of conventional amino silicone emulsions.

### 1) Test Conditions

Dosage	20g/l Magnasoft 88 textile softener dilution (20% Magnasoft 88 textile softener in 80% water)
Test Fabric	Cotton Woven
Treating Condition	Padding (pick up 100%); Drying (130°C, 3 min.)
Evaluation of Softness	KES-FB2 Automatic Pure Bending Tester. Softness: (B+2HB)/2
Evaluation of Smoothness	KES-FB4 Automatic Surface Tester MIU: Mean friction coefficient
Evaluation of Yellowing	Δb measured with Color Quest XE based on untreated fabric color

### 2) Test Results of Softness, Smoothness and Fabric Yellowing

	Handle touch	Softness <sup>(1)</sup> (B+2HB)/2	Smoothness <sup>(2)</sup> MIU	Yellowing <sup>(3)</sup> Δb
Magnasoft 88 textile softener	Slippery and soft	0.037	0.09	+0.9
Untreated cotton woven	Harsh	0.069	0.18	0

Note: (1) The smaller number, the softer touch  
(2) The smaller number, the smoother touch  
(3) The smaller number, the less yellowing

Test results. Actual results may vary.

### 3) Stability Test Results

- Dilution stability at 50°C for 6 days**
  - Magnasoft 88 textile softener: No separation, no gel and free oil on the surface of the emulsion
  - Conventional amino silicone emulsion: Easily separated
- Dilution stability at pH=10 at 80°C**
  - Magnasoft 88 textile softener: Very slight oiling was observed on the surface
  - Conventional amino silicone emulsion: Substantial oiling was observed on surface and beaker wall

## Packaging

Magnasoft 88 textile softener is supplied in 120-kg drums from Momentive Performance Materials plant in Sonjiang, China

\*Magnasoft is a trademark of Momentive Performance Materials Inc.

## MAGNASOFT\* 88 textile softener

### 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 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](http://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

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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:

<u>Location</u>	<u>Momentive Performance Materials Products</u>	<u>All Chemical Products</u>
Mainland U.S., Puerto Rico	518.233.2500	CHEMTREC: 800.424.9300
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Canada	518.233.2500	CHEMTREC: 800.424.9300
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)
Middle East,		
All countries, except Israel	+518.233.2500	+961.3.487.287 (Lebanon)
Middle East, Israel	+518.233.2500	+44.(0)208.762.8322 (UK)
Latin America, Asia/Pacific,	+518.233.2500	CHEMTREC: +1-703.527.3887 (collect)
all other locations worldwide		
At sea	Radio U.S. Coast Guard, which can directly contact Momentive Performance Materials at 518.233.2500 or CHEMTREC at 800.424.9300.	

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DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

## CUSTOMER SERVICE CENTERS

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