

MAGNASOFT* 307

textile softener

SPECIALTY FLUIDS - TEXTILES & LEATHER



Magnasoft 307 textile softener is a high molecular weight, linear, amino-functional silicone polymer and an excellent candidate to consider for use as a textile softener. It contains reactive end-groups, allowing for chemical bonding with many surfaces or for molecule weight build-up in the presence of moisture.

Magnasoft 307 textile softener can be easily emulsified to obtain stable micro emulsions that can help provide durable softness to virtually all types of fabrics.

Key Features and Typical Benefits

- can help impart excellent softness to most types of fabrics
- excellent affinity to fabrics
- extremely low fabric yellowing
- enhances the physical properties of fabrics
- potentially compatible with a wide range of chemicals used for textile finish
- easy to formulate

Potential Applications

- textile softener for most types of fabrics

Typical Physical Properties

Property	Value
Appearance	Translucent, light yellow liquid
Specific Gravity, 25°C	0.97
Viscosity, (25°C) mPa·s {cP}	1,500 {1,500}
Refractive Index, (n _D ²⁵)	1.405
Amino Content, wt%	0.25

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

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Solubility

Soluble	Toluene, Mineral sprits, Methyl ethyl ketone, Isopropanol, Dimethyl silicone fluid
Insoluble	Methyl cellosolve, Water, Liquid paraffin

Emulsification Instruction

Sample Formulation^(a)

15 parts	Magnasoft 307 textile softener
5.7 parts	TDE-6 (Polyethylene Glycol Tridecyl Ether, 6EO: HLB 11.4)
2 parts	Butyl Carbitol
10 parts	Water-1
0.28 parts	Acetic Acid
67 parts	Water-2
0.02 parts	Biocide ^(b)

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

(b) Biocides must be used in accordance with local country regulations and manufacturer's label directions.

Guide Procedure to Emulsify

- 1) Separately pre-mix Water-1 and acetic acid to prepare acidic water.
- 2) Charge Magnasoft 307 textile softener, TDE-6 and Butyl Carbitol into a mixer. Stir at 300-400rpm for 10 minutes.
- 3) Slowly charge the acidic water (= water-1 pre-mixed with acetic acid) while stirring at 600rpm, and then continue to stir at 800~1,000rpm till the acidic water is completely charged.
- 4) Continuing to stir at 800~1,000rpm, slowly charge Water-2 until the viscosity of the mixture is significantly reduced. Then quickly charge the rest of the Water-2 at 300~400rpm.
- 5) Charge the biocide (if required) and continue to stir at 300~400rpm for 5 minutes.
- 6) Stop stirring and wait until the foam collapses, for drumming.
- 7) A clear emulsion should be obtained.

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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 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:

Location	Momentive Performance Materials Products	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)
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)
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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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