

Technical Bulletin

SofTechs 4107

DESCRIPTION

SofTechs 4107 is a concentrated light tan wax-like solid softener base. It is a cationic quaternary cyanoethylated fatty acid amide that is dispersible in hot water.

SofTechs 4107 provides a very soft and greasy type hand. The product is considered low yellowing. It is highly recommended for use as a water-dispersed softener for indigo denim garments. It is also recommended for softening fabrics of acrylic and wool.

BENEFITS

SofTechs 4107 has the following beneficial characteristics.

- Highly Concentrated
- Economical to Use
- Lends Very Soft & Greasy Hand
- Ideal for Indigo Denim Garments
- Recommended for Wool & Acrylic
- Considered Low Yellowing

TYPICAL PROPERTIES

Color	Light Tan
Texture	Wax-like Solid
PH	About 4.3
Melt Point	About 59°C
Solids	About 97%

FORMULATION

SofTechs 4107 must be formulated prior to use. The follow is a typical water dispersion procedure.

Water	86.00%
56% Acetic Acid	01.00%
TAM-20	01.00%
SofTechs 4107	12.00%
Biocide	Trace

PROCEDURE

Charge water and acetic acid and begin mixing. Increase temperature to 85°C. Add TAM-20 and add pre-melted **SofTechs 4107** (pre-melt in hot room or with drum heater belts). Increase temperature to 92°C. Hold at this temperature until dispersion is smooth. Then hold an additional 30-60 minutes. Allow to cool while stirring. Once cool, add the biocide and then package.

APPLICATION

General dosage rates are as follows for 12% solids water dispersions of **SofTechs 4107**.

Fabric	3.0 – 6.0% OWF
Garments	2.0 – 5.0% OWG
Denim	3.0 – 6.0% OWG

The product is optimally effective at ph 4.5 - 5.5.

STORAGE

SofTechs 4107 should be stored in a cool, dry and well-ventilated area.

HANDLING

Please refer to the Material Safety Data Sheet for details.

PACKAGING

SofTechs 4107 is available in 400 lb steel open head drums

Date Established: 05/19/2001

Date Revised: 05/21/2011