

Technical Bulletin

SofTechs 4109

DESCRIPTION

SofTechs 4109 is a concentrated off-white wax-like solid softener base. It is a nonionic mixture of fatty acid esters that is dispersible in hot water.

SofTechs 4109 provides a soft waxy type hydrophilic hand. The product is considered non-yellowing. It is highly recommended for use as a water-dispersed softener white fabrics and garments and for indigo denim garments. It is also recommended for softening towels due to its hydrophilic nature.

BENEFITS

SofTechs 4109 has the following beneficial characteristics.

- Highly Concentrated
- Economical to Use
- Lends Hydrophilic Soft Waxy Hand
- Ideal for White Fabrics & Towels
- Excellent for Denim Garments
- Considered Non-yellowing

TYPICAL PROPERTIES

Color	Off-white
Texture	Wax-like Solid
PH	About 8
Melt Point	About 46°C
Solids	About 98%

FORMULATION

SofTechs 4109 must be formulated prior to use. The follow is a typical water dispersion procedure.

Water	80.00%
NP-40	01.00%
SofTechs 4109	19.00%
Biocide	Trace

PROCEDURE

Charge water and begin mixing. Increase temperature to 85°C. Add NP-40 and add pre-melted **SofTechs 4109** (pre-melt in hot room or with drum heater belts). Hold temperature at 85°C until dispersion is smooth. Then hold an additional 30 minutes. Allow to cool while stirring. Once cool, add the biocide and then package.

APPLICATION

General dosage rates are as follows for 20% solids water dispersions of **SofTechs 4109**.

1.5 – 3.0% OWF

STORAGE

SofTechs 4109 should be stored in a cool, dry and well-ventilated area.

HANDLING

Please refer to the Material Safety Data Sheet for details.

PACKAGING

SofTechs 4109 is available in 400 lb steel open head drums.

Date Established: 05/19/2001

Date Revised: