

Technical Information

SurfTechs 4315

Description

SurfTechs 4315 is a fluorochemical water and oil repellent. It is recommended for application to outerwear, home furnishings and industrial fabrics. The product contains no significant amount of PFOA (perfluorooctanoic acid) or its precursors.

SurfTechs 4315 lends a finish that is durable to washing and dry cleaning.

Benefits

SurfTechs 4315 has the following beneficial characteristics.

- Excellent water repellency
- Effective at low add on levels
- Durable to laundering and dry cleaning
- Cures under normal conditions
- Environmentally friendly

Typical Properties

Color	Off-White
Texture	Emulsion
Ionic Nature	Cationic
PH of Solution	About 3
Viscosity	About 25 CPS

Preparation

SurfTechs 4315 should first be dispersed in warm water in a ratio of 1 to 1. Prepare the entire bath and adjust temperature to 30 – 40°C. Then add the pre-dispersed **SurfTechs 4315** as the final component of the bath. Mix gently but thoroughly.

Application

SurfTechs 4315 should be applied by padding. The cloth should enter the pad at ambient temperature to prevent over heating the bath. A cooling can may be installed if needed. The fabric should be impregnated in the pad and then be pre-dried to 30 – 40% moisture content prior to entering the drying frame. The fabric should then be dried. To heat set during drying, frame temperatures of 185 – 205° C are required. Treated fabric should be cured for one minute at 175°C.

Note: Fabrics must be well prepared for successful treatment with **SurfTechs 4315**.

Recipes

	Cellulosic Blends	Nylon
SurfTechs 4315	1.0 – 3.0%	0.5 – 2.0%
SurfTechs 4231	2.0 – 4.0%	2.0 – 4.0%
Resin	10.0%	1.0%
Catalyst	2.5%	0.25%
SurfTechs 4321	0.25%	0.25%

Handling

See the Material Safety Data Sheet for details.

Storage

SurfTechs 4315 should be stored in a cool and dry.

Packaging

SurfTechs 4315 is available in drums and totes.

Date Established: 03/19/2011

Date Revised: