



# ITOGUARD E6015 liq.

## Technical Data Sheet

### Introduction

Itoguard E6015 liq. is a fluorinated water/oil repellent finishing agent for textiles made of synthetic and cellulosic fibers, especially cotton, polyester and their blends.

### 1. Features

- Itoguard E6015 liq. has a high performance providing water/oil repellence for synthetic and cellulosic based fabrics.
- Itoguard E6015 liq. is highly compatible with numerous crosslinking agents, catalysts, softeners and other textile auxiliaries. Running tests before application is recommended.
- Itoguard E6015 liq. does not contain APEO (Alkylphenoethoxylate), PFOA (perfluorooctanic acid) and PFCAs (perfluorocarboxylic acids) with longer chains.
- Itoguard E6015 liq. is nonflammable.

### 2. Physical/Chemical Properties

<b>Appearance</b>	Liquid, milky white emulsion
<b>pH (25 °C)</b>	Acidic
<b>Ionic charge</b>	Weakly cationic
<b>Solubility</b>	Easily soluble in water
<b>Flash Point</b>	100°C

### 3. Application

Itoguard E6015 liq. can be applied by padding and foam methods. Depending on fiber type and the expected effect, the amount used for padding method is 20 - 70 g/l. Ideal pH of the finishing liquor is approximately 4-5.

#### Recommended Usage:

##### 100% Cotton

40-70 g/l Itoguard E6015 liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min



# ITOGUARD E6015 liq.

## **PES/Cotton**

30-60 g/l Itoguard E6015 liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min

## **100% PES**

25-50 g/l Itoguard E6015 liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min

\* It is recommended to adjust pH between 4-6.

\*\* In some cases higher curing temperatures may have a beneficial effect on washing fastness.

\*\*\* Addition of crosslinking agents has proven to increase durability against washing.

## **4. Precautions for use**

- Itoguard E6015 liq. can be stored for at least 6 months at 5°C – 40°C.
- Stir well before use.
- Use under adequate ventilation is recommended. It is not safe to breathe any vapor or mist.
- Wear protective equipment when handling. Avoid direct contact with eyes and skin.
- See the Material Safety Data Sheet for further information about safe use.

This technical brochure prepared by MEKSA Company serves the purpose of providing useful information to our customers. MEKSA makes no warranties, expressed or implied, about any results. It is strongly recommended for our customers to run tests under their standard processing conditions before use.