



# ITOGUARD E6060 liq.

## WATER & OIL REPELLANT

### Technical Data Sheet

#### Introduction

Itoguard E6060 liq. is an advanced fluorinated water/oil repellent agent for textiles made of synthetic and cellulosic fibers, primarily cotton, polyester and their blends.

#### 1. Features

- Itoguard E6060 liq.'s water/oil repellence performance on synthetic and cellulosic textiles is superior to most of its competitors in the market.
- Itoguard E6060 liq. has an enhanced washing durability on various textiles.
- Itoguard E6060 liq. is compatible with many textile auxiliaries, including but not limited to crosslinking agents, catalysts, softeners, etc. Consumers are advised to run tests under their standard conditions before using the product in application.
- Itoguard E6060 liq. does not contain any APEO (Alkylphenolethoxylate), PFOAs (perfluorooctanic acids) and PFCAs (perfluorocarboxylic acids) with longer chains.
- Itoguard E6060 liq. is suitable for application on wool and silk.
- Itoguard E6060 liq. is nonflammable.

#### 2. Physical/Chemical Properties

<b>Appearance</b>	Liquid, milky white emulsion
<b>pH (25 °C)</b>	Acidic
<b>Ionic charge</b>	Cationic
<b>Solubility</b>	Easily soluble in water
<b>Flash Point</b>	100°C
<b>Solid content</b>	24 %

#### 3. Application

Itoguard E6060 liq. should be applied by padding method. Depending on fiber type and the required effectiveness, the recommended amount ranges between 15 - 60 g/l. Optimal pH of the finishing liquor is between 4 – 5,5.



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### Recommended Usage:

#### 100% Cotton

30-55 g/l ItoGuard E6060 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

#### PES/Cotton

20-45 g/l ItoGuard E6060 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

20-35 g/l ItoGuard E6060 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 during the process.

\*\* In some cases higher curing temperatures have shown to improve washing fastness.

\*\*\* Addition of Mexa-Cross CL10 has proven to improve washing durability properties of the textile.

## 4. Precautions for use

- ItoGuard E6060 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.

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