

# ITOGUARD LJC6650

WATER AND OIL REPELLENT FOR TEXTILES  
WHICH IS COMPLETELY PFOS/PFOA FREE



## PROPERTIES

- **Appearance** : Milky White to Yellow Emulsion
- **pH** : 3.7 - 6.7
- **Solubility** : Easily diluted in water
- **Oxidising** : Non-oxidising (by EC criteria)
- **Specific Gravity (20°C)** : 1.03-1.11
- **Boiling point/ range °C** : >100
- **Flash point °C** : >100
- **Odour** : Glycol odour
- **Components** : Fluoropolymer, Emulsifier, Dipropylene glycol

## APPLICATION

### In Padding:

- **ITOGUARD LJC6650** : 10 - 50 g/l
- **Drying** : 110°C for 1 - 3 min.
- **Curing** : 150 -170°C for 1 - 3 min

### In Exhaustion:

- **ITOGUARD LJC6650** : 1 - 5 %
- **Liquor Ratio** : 10:1, at 40VC for 20 min.
- **Dehydrating and Drying** : 120°C
- **Curing** : 170°C for 1min

## CHARACTERISTICS

1. ITOGUARD LJC6650 is completely free of PFOA/PFOS.
2. Ability to cure at lower temperatures.
3. Very good oil repellency.
4. ITOGUARD LJC6650 provides an excellent wash-durability water/oil repellent property to various textiles.
5. ITOGUARD LJC6650 has excellent compatibility with any residual materials on the fabric.
6. ITOGUARD LJC6650 is non-flammable.
7. ITOGUARD LJC6650 is an Alkylphenoethoxylate (APEO) free product.
8. Does not contain perfluorooctanoic acid (PFOA), \* longer chain length perfluorocarboxylic acids (PFCAs) or their precursors (below the detection limit). (\* longer chain length; Carbon number>8)
9. ITOGUARD LJC6650 can cause some yellowing of treated fabrics so should be checked prior to bulk production.

## DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

**MAGNACOLOURS**<sup>®</sup>  
IMAGINATION INK<sup>™</sup>



**MagnaColours Limited**  
Upper Cliffe Road,  
Dodworth Business Park,  
Barnsley, S75 3SP, UK

T: 00 44 (0) 1226 731751  
F: 00 44 (0) 1226 731752  
E: [info@magnacolours.com](mailto:info@magnacolours.com)  
[www.magnacolours.com](http://www.magnacolours.com)

Company registered in  
England No. 01378495,  
VAT No. GB 997 3172 70



# ITOGUARD LJC6650

WATER AND OIL REPELLENT FOR TEXTILES  
WHICH IS COMPLETELY PFOS/PFOA FREE



## PERFORMANCE (STANDARD FINISH)

### Treating condition

Wet-pick up, 1 dip - 1nip

**Polyester (100%) Tropical (dyed)**

85%

**Nylon (100%) Taffeta (dyed, fixed)** 30%

**Cotton (100%) Plain-woven (dyed, unfixed)**

60%

### Dry and Cure condition

- **Dry** : 110°C for 90 sec.
- **Cure** : 170°C for 60 sec.

### Home Laundering Condition

Washing (HL): JIS 1092: 1998 5.2 a) 3) (C method):

Air-drying evaluation after washing.

Detergent: "ATTACK" (Kao Co. Ltd.)

### Water Repellency & Oil Repellency

		Polyester				Polyamide				Cotton			
		Standard		Durable		Standard		Durable		Standard		Durable	
		10g/l	20g/l	30g/l	50g/l	20g/l	20g/l	50g/l	50g/L	20g/l	30g/l	50g/l	80g/L
ITOGUARD LJC6650													
ITORESIN M3		-	-	-	3g/l	-	-	-	3g/l	-	-	-	-
ITOCATALYST ACX		-	-	-	3g/l	-	-	-	3g/l	-	-	-	-
MEIKANATE MF		-	-	-	-	-	-	-	-	-	-	-	10g/l
Oil Repellency	Initial	5-	5-	5	5	2-	2	4-	5	2	2+	5-	5
	HL20	-	-	-	3+	-	-	-	3+	-	-	-	3
Water Repellency	Initial	5	5	5	5	5-	5	5	5-	4+	5	5	6-
	HL20	-	-	-	5-	-	-	-	3-	-	-	-	4

Oil Repellency was evaluated by AATCC 118-1989.

Water Repellency was evaluated by ISO 4920 JIS 1092: 1998 6.2 (spray method)

**MAGNACOLOURS**<sup>®</sup>  
IMAGINATION INK<sup>™</sup>



**MagnaColours Limited**  
Upper Cliffe Road,  
Dodworth Business Park,  
Barnsley, S75 3SP, UK

T: 00 44 (0) 1226 731751  
F: 00 44 (0) 1226 731752  
E: info@magnacolours.com  
www.magnacolours.com

Company registered in  
England No. 01378495,  
VAT No. GB 997 3172 70

