



## PRODUCT LITERATURE

### ECOGUARD-786

#### Product Information

ECOGUARD-786 is a new generation water and oil repellent fluorocarbon based on C6 Chemistry. It imparts durable oil and water repellency on various substrates like polyester, cotton, nylon, Aramid fibres and their blends without affecting the original hand of fabric. It gives very high oil repellency. It can be applied by pad, foam and spray technique. The performance of ECOGUARD-786 will be closer to that of C8 Chemistry Fluorocarbons.

#### Key Features & Benefits

##### Key Features

Durable

Competitive

Eco-friendly

##### Benefits

Good water/oil repellency after multiple home laundering.  
No cross-linker required

High Oil repellency

PFOA below detectable limit

#### General Characteristics

Physical appearance : Creamish liquid  
Ionic nature : Nonionic to weakly cationic  
pH of 1% solution : 6 +/- 1  
Miscibility : Miscible with water  
Compatibility : Compatible with cationic and nonionic products  
Stability : Stable to dilute acids and unstable to dilute alkalies

#### Application

##### PADDING PROCESS:

ECOGUARD-786 : 30-80 g/l  
Acetic Acid : 0.5 g/l  
IPA : 5 g/l



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Pick-up : 65-70%  
Bath pH : 4.0 - 4.5  
Drying : 100 - 120 deg.C  
Curing : 150 deg.C,5 min. OR 160 deg.C,3 min. OR  
170 deg.C, 1 min.

\* Concentration of ECOGUARD-786 to be taken on the basis of durability requirement.

Note:

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1. It is recommended to prewash the substrate to be treated with 1 g/l Saragen-DAM at 80-85 deg.C for 20-30 min. to remove traces of residual impurities to get excellent results.
2. After padding and drying if fabric is kept overnight before curing, results will be further improved.
3. Compatible with Flame Retardant finish (Pre-trial is recommended).
4. Water and Oil repellent can be combined with Wrinkle free finish. (Pre-trials are recommended)

Sequence of addition:

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- Prepare bath with all ingredients including Saralink-ULF, MgCl<sub>2</sub> in water containing Acetic acid.
- Stir continuously and add ECOGUARD-786 as the final ingredient.

Precautions:

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- Before using our product, stir the product gently and then passing through a filter is advisable before pre-dilution and application
- Avoid high speed and continuous stirring.
- Avoid silicone based softeners in the finishing recipe.
- Pre trial with ECOGUARD-786 is recommended with coating chemicals.

### Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature



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should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.

Shelf Life : 9 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty]  
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