



Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

501 Waterford, C Wing, C.D.Barfiwala Marg(Juhu Lane), Andheri(W),Mumbai 400 058. INDIA

Phone +91 22 42184218 Fax +91 22 42184350

Email : tcmktg@sarex.com URL www.sarex.com

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 viz., polyester, cotton, nylon, wool 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-686 will be closer to that of C8 Chemistry Fluorocarbons.

Key Features & Benefits

Key Features	Benefits
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Non-yellowing	Suitable for white and pastel shades
Durable	Good water/oil repellency after multiple home laundering. No crosslinker required
Feel	Does not affect the fabric hand
Ecofriendly	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:

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 Retardent finish (Pre-trial is recommended).
4. Water-oil repellent finish can be combined with resin finish using 30g/l Saralink-ULF + 6g/l MgCl₂ + 20g/l Saralube-2975.

Sequence of addition:

- Prepare bath with all ingredients including Saralink-ULF, MgCl₂ in water containing Acetic acid.
- Stir continuously and add Ecoguard-786 as the final ingredient.

Precautions:

- 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 : 8 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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