



Sarex Chemicals

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

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PRODUCT LITERATURE

ECOGUARD-SYN (CONC)

Product Information

Ecoguard-SYN (Conc) is a fluorine free speciality product for water repellency and rainproofing. Ecoguard-SYN (Conc) gives best results on synthetic fabrics and outer wear fabrics. The performance of Ecoguard-SYN (Conc) is very close to C6 fluoro chemicals in terms of water repellency and durability. It imparts sewability and also provides better resistance to abrasion and tear.

Key Features & Benefits

Key features -----	Benefits -----
Non-yellowing	Suitable for white and pastel shades
Fluorine free	Fulfills requirement of leading retailers viz. M&S and H&M
Performance	Works very well on synthetics and outer wear fabrics Close to C6 fluorocarbon in terms of water repellency and durability
Durable	Withstands multiple home laundering

General Characteristics

Physical appearance	: Off white liquid
Ionic nature	: Nonionic to weakly cationic
pH of 1% solution	: 5 +/- 1
Miscibility	: Miscible with water
Compatibility	: Compatible with cationic and nonionic products
Stability	: Stable to dilute acids and dilute alkalies

Application

Padding Process:

Ecoguard-SYN (Conc) : 30-100 g/l



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Pick-up : 65-70%
Bath pH : 6.0-7.0
Drying : 120 deg.C, 2 min.
Curing* : 145-150 deg.C, 3 min. OR 170 deg.C
for 40 sec.

* In case of polyester, at maximum pick up, curing at temperature 145-150 deg.C gives better spray rating.

* In case of polyester and P/W fabric it is recommended to wash fabric with 0.5-1 g/l Celldet-R (Non-ionic wetting agent) before finishing.

Exhaust process for Garment/fabrics

Ecoguard-SYN (Conc) : 4-10%
Bath pH : 6.0 - 7.0
Bath Temp. : R.T. to 40 deg.C, (1 deg.C/min.)
Time : 30-40 min. at 40 deg.C
Drying/Curing : 110 deg.C, 3 min. / 145-150 deg.C, 3 min.
OR 170 deg.C for 40 sec.

Note:

- Preliminary trials are recommended before bulk processing
- For higher durability 5-10 g/l of Crosslink-SC (Conc) can be used
- To get very good results with Ecoguard-SYN (Conc) pick up should be more than 70%
- The minimum 145 deg.C temperature for curing is recommended
- If results are not upto the mark, then re-curing will help to get better results
- Ecoguard-SYN (Conc) is suitable with Deca based FR products but it is not to be used with phosphorous based and APP (Ammonium Phosphophate) based FR products
- Before finishing with Ecoguard-SYN (Conc), bring the fabric



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temperature to room temperature

- Addition of Saraline-FI along with Ecoguard-SYN (Conc) will stabilize the bath and which in turn will minimize roller build-up if any

Precautions

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