



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### ECOGUARD-NEW

#### Product Information

Ecoguard-NEW is a fluorine free speciality product for imparting very good water repellency. Ecoguard-NEW is more suitable on cellulosic substrates and its blends. The performance of Ecoguard-NEW is better than the conventional paraffin wax based products and acrylate based products.

#### Key Features & Benefits

Key features	Benefits
Fluorine free	Fulfills requirement of leading retailers viz. M&S and H&M
Performance	Better than paraffin wax based products and acrylate based products
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 unstable to dilute alkalies

#### Application

##### Padding Process:

Ecoguard-NEW	: 30-80 g/l
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.



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\* 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  
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Ecoguard-NEW : 6-10%  
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:  
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- 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-NEW, 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-NEW 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-NEW, bring the fabric temperature to room temperature

### 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.



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