



# 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 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 Saragen-DAM 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:

- Before using our product, stir the product gently and then passing through a filter is advisable before pre-dilution and application
- Preliminary trials are recommended before bulk processing
- For higher durability 5-10 g/l of Ecolink (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 : 9 months from the date of manufacturing, if stored under controlled conditions.



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