



# 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

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## PRODUCT LITERATURE

### CAREGUARD-314

#### Product Information

Careguard-314 is a new generation water and oil repelling fluorocarbon based on C6 Chemistry. It imparts best results on polyamide fabrics. It is an ideal product for synthetic fabrics. It imparts durable water and oil repelling effects on various substrates viz., polyester, cotton, acrylics, wool fibres and their blends. It can be applied by padding foam and by spray technique. It passes Bundesmann test.

#### Key Features & Benefits

##### Key Features

Durable

No Roller build-up  
and no gumming

Non ionic

##### Benefits

Good water/oil repellency after multiple  
home launderings

Suitable for high speed finishing  
operations

- No tailing during pad application
- Compatible with various softeners

#### General Characteristics

Physical appearance : White liquid

Ionic nature : Nonionic

pH of 1% solution : 6 +/- 1

Miscibility : Miscible with water

Compatibility : Compatible with anionic, cationic and  
nonionic products

Stability : Stable to dilute acids and dilute alkalies

#### Application

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.

SUGGESTED RECIPES:



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For all substrates  
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Careguard-314 : 30-80 g/l  
Acetic Acid : 0.5 g/l  
IPA : 5 g/l

\* Concentration of Careguard-314 to be taken on the basis of durability requirement.

\* For extended durability, addition of Crosslink-SC(Conc) is recommended

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 Retardent finish (Pre-trial is recommended).
  4. Water-oil repellent finish can be combined with resin finish using 30g/l Saralink-ULF + 6g/l MgCl<sub>2</sub> + 20g/l Saralube-2975.

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 Careguard-314 as the final ingredient.

Precautions :

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- Avoid high speed and continuous stirring.
  - Avoid silicone based softeners in the finishing recipe.
  - Pre trial with Careguard-314 is recommended with coating chemicals.



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#### 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.

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