



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

CAREGUARD (CONC)

Product Information

Careguard (Conc) is a water and oil-repelling fluoropolymer based on C6 chemistry. It confers highly durable water and oil repellency on various substrates viz., polyester, cotton, wool fibres and their blends. It can be applied by padding, foam and by spray technique. They give very good results on polypropylene and polyester nonwoven fabrics also.

Key Features & Benefits

Key Features	Benefits
Durable	Good water/oil repellency after multiple home laundering
Economical	Cost effective water-oil repellent finish

General Characteristics

Physical appearance	: Off white to white 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 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:

For all substrates :

Careguard (Conc)	: 25-70 g/l
Acetic Acid	: 0.5 g/l
IPA	: 5 g/l



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* Concentration of Careguard (Conc) 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. Water and Oil repellent can be combined with Wrinkle free finish. (Pre-trials are recommended)

To pass Cone test or Bundesmann Testing, please ensure following points for better results-

1. Fabric should be very well pre-treated (Highly Absorbent, no residual wetting agent present on the fabric)
2. More Overfeeding will also help in achieving better results
3. Also Calendaring after Water repellent treatment will help in achieving better results
4. Coating is more preferable option than padding with a water repellent as it will help in blocking the pores.

Sequence of addition:

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

Precautions :

- Before using our product, stir the product gently and then passing through a filter is advisable before pre-dilution and application
- Avoid high speed and continuous stirring.
- Avoid silicone based softeners in the finishing recipe.



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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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