



Sarex Chemicals

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

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PRODUCT LITERATURE

CAREGUARD-314

Product Information

Careguard-314 is a non-ionic Oil and water repellent based on C 6 Chemistry. It can be applied by padding technique. It also gives repellency against alcohol and blood and thus can be used in manufacturing of Personal Protection Equipment/ Clothing (PPE) used in medical textiles. Careguard-314 is more suitable for synthetic fibres but can also be applied on cellulosic fibres and their blends.

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 finishing agents

General Characteristics

Physical appearance : White to creamish 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

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 Ecolink (Conc) is recommended
- * For Blood and Alcohol Repellency the dosage of the above chemical has to be optimized depending on the GSM of the fabric and (%) Expression
- * Pre-trials are recommended.

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. 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 MgCl₂ + 20g/l Saralube-2975.

Sequence of addition:

- Prepare bath with all ingredients including Saralink-ULF, MgCl₂ in water containing Acetic acid.
- Stir continuously and add Careguard-314 as the final ingredient.

Precautions :

- 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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