



PRODUCT LITERATURE

CAREGUARD-LTH

Product Information

Careguard-LTH is a non-ionic Oil and water repellent based on C 6 Chemistry. It can be applied by padding and by foam 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-LTH is more suitable for synthetic fibres but can also be applied on cellulosic fibres and their blends.

Key Features & Benefits

Key Features	Benefits
Durable	Good water repellency after multiple home laundering
No Roller build-up	Suitable for high speed finishing operations
Non ionic	Suitable for coating

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:

For all substrates

Careguard-LTH	: 20-80 g/l
Acetic Acid	: 0.5 g/l
IPA	: 5 g/l



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- * Concentration of Careguard-LTH 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 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-LTH as the final ingredient.



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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.
- Pre trial with Careguard-LTH is recommended with coating chemicals.

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.