



**COLORIQ**  
The Chemistry Behinds...

## **COLORGUARD ANTIMICROBIAL**

### **Product Information**

Colorguard Antimicrobial is an economical antibacterial and antiviral agent for all textile substrates and their blends. Colorguard Antimicrobial can be applied by padding, exhaust, soaking and spraying methods. Colorguard Antimicrobial is a non-leaching antimicrobial agent which is durable to multiple home laundering. It is effective against broad spectrum of bacteria's and viruses. It passes AATCC 100, JISL 1902 test methods. Colorguard Antimicrobial is also suitable for application on medical textiles like face mask, surgical gowns and other personal protective equipment/clothing (PPE) etc.

### **FEATURES**

- Non-leaching.
- Broad spectrum.
- Hydrophilicity.
- Concentrated.
- Versatile.

### **BENEFITS**

- Durable to multiple home launderings.
- Works on all types of microbes such as Staphylococcus aureus, Escherichia coli, Klebsiella pneumoniae, Methicilli Resistant Staphylococcus aureus (MRSA).
- Does not affect the hydrophilicity of the fabrics.
- Economical.
- Application on Cotton, Polyester, polyamide and its blends.

## PROPERTIES

Appearance -----→Colourless to pale yellowish brown clear to hazy viscous liquid

Ph 1% Solution-----→6+/-1

Ionic nature-----→ Cationics

Compatibility-----→Compatibility with Cationics & Non-ionics

Stability -----→Stable to dilute acid and unstable to dilute alkalies.

## DOSAGE & APPLICATIONS

### Padding Process:

20-50g/l	Colorguard Antimicrobial
pH	5.0-6.0
Pick-up	65-70%
Drying	110-120 deg.C,1-2 min.

### Exhaust method:

1.0-5.0%	Colorguard Antimicrobial
pH	5.0-6.0
Bath Temp.	30-40 deg.
Time	15-20mins.

- For application in medical textiles the dosage of the above chemical has to be optimized depending on the GSM of the fabric and (%) Expression.
- Concentration of the above product to be taken on the basis of durability requirement.
- At higher drying/curing temperatures there might be shade changes depending on the Dye, OBA and the fabric.
- Pre-trials are recommended.

## CAUTION

- 🌍 In case of skin contact, wash with plenty of water.
- 🌍 In case of eye contact, wash with plenty of water and seek medical advice.

## PACKING MATERIAL

25KG PACKING.

### The storage guidelines for the product

#### 1.Storage Conditions:

- 🌍 Store the product in its original container.
- 🌍 Keep it in a dry, dust-free location at temperatures below 50°C.

#### 2.Ventilation and Compatibility:

- 🌍 Ensure the storage area is well-ventilated.
- 🌍 Keep the product away from incompatible materials (as specified in the Material Safety Data Sheet) and food items.

#### 3.Container Handling:

- 🌍 Seal the container tightly after each use.
- 🌍 Avoid pouring unused material back into the container.

#### 4.Shelf Life:

- 🌍 The product remains usable for at least 24 months from the date of manufacture.

## WORK

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