



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### ZOROGUARD-ZP

#### Product Information

Zoroguard-ZP is zinc pyrithione based leaching antimicrobial agent. Zinc pyrithione is classical antifungal agent. Zoroguard-ZP exhibits antibacterial activity as well. Zoroguard-ZP is effective against broad spectrum of microbes, pathogens and viruses. It is suitable for all types of substrates viz cotton, polyester, polyamide, wool and their blends and nonwoven substrates also. Zoroguard-ZP passes AATCC-30, AATCC-147 and AATCC-100 test methods. It can be applied by padding, exhaust, soaking and spray method. It is suitable for application in medical textiles like surgical gowns, masks etc.

#### Key Features & Benefits

Key features	Benefits
Broad spectrum	Works on all types of microbes such as Aspergillus Niger, Staphylococcus aureus, Escherichia coli, Klebsiella pneumoniae Methicillin - Resistant Staphylococcus aureus (MRSA) etc.,
Universal	Suitable for cotton, polyester, polyamide, wool and their blends
Prevents growth of mould and mildew	Inhibits odour generation

#### General Characteristics

Physical appearance	: Off white liquid
Ionic nature	: Non ionic to weakly anionic
pH of 1% solution	: 8 +/- 1
Miscibility	: Miscible with water
Compatibility	: Compatible with cationic, anionic and nonionic products
Stability	: Stable to dilute alkalies and dilute acids (pH>5.5)

#### Application

Padding process  
Zoroguard-ZP : 10-60 g/l  
Pick-up : 65-70 %  
Bath pH : 6.5  
Drying : 160 deg.C, 2 mins.



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#### Exhaust process:

Zoroguard-ZP : 1-6%

Batch pH : 6.5

Bath Temp. : 30-40 deg.C

Time : 15-20 mins

#### Note: -

Zoroguard-ZP is a dispersion so whenever you are using the material please shake well before use.

Zoroguard-ZP can be used in combination with oil and water repellent, but please ensure that pH is more than 5.5 and less than 6.5 for best results and stability. Also the bath prepared should be used immediately.

- \* 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.
- \* Pre-trials are recommended.

### 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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