



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### SARAGUARD-AP

#### Product Information

Saraguard-AP is a permethrin based moth and beetle proofing finishing agent developed for wool and their blends. Saraguard-AP particularly developed for the fabrics which are meant for outerwear, sportswear, military fabrics, tents etc. Saraguard-AP is suitable for application on all fabrics viz., cotton, polyamide and polyester fabrics. Saraguard-AP is highly effective against moths and carpet beetles. The finished fabric exhibits high fastness to washing and dry cleaning. Saraguard-AP treated garments have a knock-down effect on moths and other flying insects. It imparts long lasting and durable results on the fabric. The product does not affect dyeing either in the same bath or if the finish is applied subsequently. It does not cause any change of shade or impair fastness properties. The finish is odorless and has no negative effect on the handle.

#### Key Features & Benefits

##### Key Features

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Knock-down effect on moths and other flying insects

High fastness to washing and dry cleaning

##### Benefits

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Protect against bites of an insect that transmits an infection

Withstand multiple home launderings

#### General Characteristics

Physical appearance : Pale yellow 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

Saraguard-AP is applicable to wool in all forms and on all equipment which are commonly used in the wool industry.



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#### 1. Exhaust process

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Saraguard-AP            0.12-0.25 %  
Liquor ratio            1:5 - 1:40  
Bath pH                 2.0 - 6.5  
Temperature            60-90 deg.C  
Time                     30-90 min.

#### 2. Continuous process (for yarn scouring on hank washing units)

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Saraguard-AP            0.25 - 0.30 g/l  
Temperature            50-70 deg.C  
Bath pH                 2.0 - 6.5 (acetic acid or formic acid)

Automatic dosing pumps should be used if possible to ensure that the product is applied uniformly.

### 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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