



# Sarex Chemicals

(A Divn. of Saraf Chemicals Ltd.)

501 Waterford, C Wing, C.D.Barfiwala Marg(Juhu Lane), Andheri (W), Mumbai-400 058. INDIA

Phone: (91-22) 4218 4218 Fax : (91-22) 4218 4350

Email : [tcmktg@sarex.com](mailto:tcmktg@sarex.com) URL : [www.sarex.com](http://www.sarex.com)

## PRODUCT LITERATURE

### SARAKOL-AD

#### Product Information

Sarakol-AD is a washing off agent for reactive dyed and printed cellulosic fibers and their blends. In case of reactive dyes which are having low solubility in presence of salt and alkali and when liquor ratio is low there could be precipitation of dyes during the dyeing leading to poor colour yield as well as precipitation of dyes on substrate and machine. Addition of Sarakol-AD overcomes this problem due to its excellent dispersing action. Calcium salts, pectins and cotton lint impurities in the dyebath could also lead to precipitation of dyes as well as poor washing off of hydrolysed dyes at the end of dyeing. Due to its chelating action Sarakol-AD prevents such precipitation and also helps in easy removal of hydrolysed reactive dyes at the end of dyeing operation. It also can be used as dispersing agent in silk de-gumming and reduction clearing.

#### Key Features & Benefits

##### **Key features**

Preferential Sequestering action on calcium.

Good dispersing properties with reactive and direct dyes

Does not complex with dyestuffs.

##### **Benefits**

Prevents precipitation of reactive dyes in presence of calcium.

Improved levelling and good dye bath conditioner for package dyeing.

Colour yield or tone not affected.

#### General Characteristics

Physical appearance : Yellow clear semi viscous liquid  
Ionic Nature : Anionic  
pH of 1% solution : 8 +/-1  
Miscibility : Miscible in water  
Compatibility : Compatible with nonionic and anionic products  
Stability : Stable to dilute acids, dilute alkalies hard water



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#### Application

- 1) Bleaching of cotton or polyester/cotton yarns or fabric. It is suitable for all machines, and will prevent the build up of insoluble calcium and magnesium salts on the machines, as well as aiding the preparation of clean lint free fabric. The following concentration is recommended: 1-2 % Sarakol AD
- 2) Exhaust Dyeing of Cotton Hosiery and fabric on Soft Flow Machine (MLR 1:7 - 1:12) or cotton fabric on jiggers (MLR 1:3) 0.7 - 1% Sarakol AD is added in the bath before addition of dyestuff or chemicals. Quantity of Sarakol AD would depend upon liquor ratio, quality of process water, quality of salt and efficiency of scouring operation as well as concentration and solubility of the dyestuff used in the recipe.
- 3) Dyeing of Cotton Yarn on Package Dyeing Machine (MLR 1:8-1:12) 1 - 2% Sarakol AD is added in the bath before addition of dyestuff in chemicals.
- 4) Washing off of Reactive Dyes by Batch Operation (MLR 1:5-1:15) 1 - 2% Sarakol AD 1 - 2% Kalium-NNS pH adjusted to 7 and residual salt concentration should be less than 2 g/l. Carry out soaping at 85-95°C for 10-30 mins, hot wash, cold wash, neutralise. Repeat soaping in fresh bath for dark and problematic shades. Carry out fixation for dark and problematic shades.

#### 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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