



# Sarex Chemicals

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

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Phone +91 22 42184218 Fax +91 22 42184350

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## PRODUCT LITERATURE

### PARAKOL-YS

#### Product Information

Parakol-YS is an economical concentrated polymeric compound which is used as a dyebath conditioner and washing off agent. Calcium and Magnesium impurities in the dyebath lead to precipitation of dyes as well as poor washing off of hydrolyzed dyes at the end of dyeing. Due to its chelating action, Parakol-YS prevents such precipitation and also helps in easy removal of hydrolyzed reactive dyes at the end of dyeing operation. Parakol-YS is recommended as a washing off agent for reactive dyes in batch operation as well as in continuous operation.

#### Key Features & Benefits

##### Key Features

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Based on copolymer of acrylic acid maleic anhydride

Sequestering action

Good dispersing action

Does not complex with dyestuffs.

##### Benefits

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Stable to high temperature i.e more than 100 deg.C

Prevents precipitation of reactive dyes in presence of Calcium & iron

Good dyebath conditioner for package dyeing

Colour yield or tone not affected

#### General Characteristics

Physical appearance : White to off white powder

Ionic Nature : Anionic

pH of 1% solution : 8 +/- 1

Miscibility : Soluble in water

Compatibility : Compatible with nonionic and anionic products

Stability : Stable to dilute acids and dilute alkalies

#### Application

1) Dye bath conditioner



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0.15-0.3% Parakol-YS is added in the bath before addition of dyestuffs or chemicals. Quantity of Parakol-YS 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 dyestuffs used in the recipe.

#### 2) Washing off by Batch Operation in Jigger

0.15-0.3 g/l Parakol-YS  
0.1-0.2 g/l Kalium-NNS (Conc) (optional)  
pH adjusted to 7, Residual salt concentration should be less than 2 g/l before soaping.

Carry out soaping at 85-95 deg.C for 10-30 min., hot wash, cold wash, neutralise. Repeat soaping in fresh bath for dark and problematic shades. Carry out fixation for dark and problematic shades.

#### 3) Soaping of reactivities & vat dyes on continuous soaper

0.3-0.6 g/l Parakol-YS  
OR  
1.0 g/l Parakol-YS (after dilution 1:3)

Note :

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Product is hygroscopic, so container to be closed properly after use.

### Instructions For Dilution

Procedure to prepare 30% Parakol-YS

- Take 70 parts of DM water
- To this, gradually add 30 parts of Parakol-YS under constant stirring at 500-600 rpm using paddle stirrer to obtain clear homogenous liquid.

Preservation: It is recommended to add 0.1% Bronopol (2-Bromo,2-nitropropane, 1,3-diol) or Methyl Paraben (methyl para hydroxy benzoate) as an antimicrobial agent to avoid fungal / microbial growth.

Note:



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- In order to carry out dilution of Parakol-YS faster, 60 deg.C DM water may be used.
- pH of final dilution should be maintained at 7-7.5.
- The diluted product will be colourless to light brown liquid.
- Un-dissolved particles if any can be filtered off.

#### 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]  
[ Prod.Code :PP538 | Last Upd. On : 23/10/18 ] [MOLL]

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