



**Sarex Chemicals**

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## PRODUCT LITERATURE

### SARAKOL-RDL (CONC)

#### Product Information

Sarakol-RDL (Conc) is a special formulation for dyeing of reactive dyes an vat dyes by exhaust as well as pad application. Sarakol-RDL (Conc) improves the solubility of reactive dyes under adverse conditions of dyeings such as low liquor ratio, poor quality of salt, hardness in water, poor solubility of dyestuff. Use of urea can be eliminated by addition of Sarakol-RDL (Conc). Hence, BOD values of the effluent can be reduced drastically.

Sarakol-RDL (Conc) also act as a dyebath conditioner and levelling agent particularly for package dyeing.

#### Key Features & Benefits

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Solubilising action

Reduces strike rate

Dispersing action

Does not affect colour value or tone

Low foaming

##### Benefits

Prevents precipitation of low solubility reactive dyes in package dyeing and at low MLR.

Uneven dyeing with incompatible dyes can be minimised

Conventional dyebath conditioners can be eliminated

Recipe correction not require

Suitable for jet and package dyeing

#### General Characteristics

Physical Appearance : Blackish brown viscous liquid  
Ionic Nature : Anionic  
pH of 1% solution : 8 +/- 1  
Miscibility : Miscible with water  
Compatibility : Compatible with anionic and non-ionic products  
Stability : Stable to dilute acids, dilute alkalies, salt commonly used in reactive dyeing.

#### Application

- Exhaust process  
0.2 - 0.5 g/l Sarakol-RDL (Conc) Can be added in the



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dyebath depending upon quality of water, amount of dyestuffs, quality of dyestuffs & quality of salt Half the quantity of Sarakol-RDL (Conc) can be added while dissolving the dyestuffs and balance quantity can be added in the dyebath.

#### 2. Continuous dyeing

1-2 g/l Sarakol-RDL (Conc) is recommended in the pad liquor for uniformity of the dyeing as well as good bath stability. Half the quantity of Sarakol-RDL(Conc) can be added while dissolving the dyestuffs and balance quantity can be added in the padding liquor.

#### 3. Grey dyeing of cotton yarn & knits in medium and dark shades with reactive dyes

Treat the material with -

1 g/l Celldet-R

1 g/l Saraquest-AE

Treat at 85 deg.C for 15-20 min., cool the bath below required dyeing temperature,

add 0.3 -0.5 g/l Sarakol-RDL (Conc)

Circulate for 5 mins. and carry out isothermal dyeing as recommended by dyestuff manufacturer.

### **Instructions For Dilution**

Procedure to prepare 22% Sarakol-RDL (Conc)

- Take 54 parts of DM water.
- To this, add 46 parts of Sarakol-RDL (Conc) at 25-30 deg.C under constant stirring using paddle stirrer at 250-300 rpm for 15 mins.
- Continue stirring for further 15-20 min to obtain homogenous product.
- Adjust pH of final dilution to 8±0.5 with caustic soda lye

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: Filter through nylon cloth of 200-250 mesh size and discard residue, if any.



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#### 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 : 8 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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