



# Sarex Chemicals

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

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## PRODUCT LITERATURE

### SARASOL-CL

#### Product Information

Sarasol-CL is a high viscosity thickening agent which is applied in pre-treatment process of Ink-Jet printing. Sarasol-CL gives sharp and even prints with improved colour values especially on cellulosic substrates. It also delivers even and sharp prints on the substrates printed with disperse and acid dyes. Sarasol-CL does not affect the original hand of fabric. The quality of final print obtained with Sarasol-CL is much better than that obtained with conventional thickeners.

#### Key Features & Benefits

Key Features	Benefits
Ink Jet printing	- Sharp and even prints - Improvement in colour value
High quality print	- Better than the conventional thickeners - Suitable for black and dark shades
Easy wash-off	Does not interfere in subsequent processing

#### General Characteristics

Physical appearance	: Colourless viscous liquid
Ionic nature	: Non ionic
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

1. Ink-Jet printing on Cotton or Viscose (Reactive ink)

##### Pre-treatment

Sarasol-CL	: 50-70 g/l (Cotton)
	: 70-90 g/l (Viscose)
Sarakol-NF	: 1-5 g/l
Urea	: 50-100 g/l



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Soda ash : 30-40 g/l  
Super R Salt : 10-20 g/l

Pad -> Dry -> Print (Ink-Jet printing)

Ink-Jet Printing

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Printing : Ink-Jet with Reactive ink  
Steaming : 102-105 deg.C, 7-10 min.

After treatment (Washing)

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Cold wash : 5 mins.  
Soaping : 1 g/l Sarakol-CR, 98 deg.C, 5 mins.(twice)  
Hot wash : 3 mins at boil (twice)  
Cold wash : 5 mins.

#### 2. Ink-Jet printing on Polyester (Disperse ink)

Pre-treatment (Padding)

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Sarasol-CL : 60-80 g/l  
Sarakol-NF : 1-5 g/l

Pad -> Dry -> Print (Ink-Jet printing)

Ink-Jet Printing

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Printing : Ink-jet with disperse ink  
Steaming : 170-180 deg.C, 8 min.  
Calendering : 200-210 deg.C, 30 sec.

After-treatment (washing)

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Cold wash : 5 mins.  
Soaping : 1 g/l Sarakol-CR at 40 deg.C, 5 mins.  
Reduction clearing: 0.75-1 g/l, Reducon-ACD (Conc) at  
4.5-5.0 pH, 60-70 deg.C, 10 mins.



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### SARASOL-CL

#### 3. Ink-Jet printing on Silk, Wool, Polyamide (Acid ink)

##### Pre-treatment

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Sarasol-CL : 60-80 g/l  
Sarakol-NF : 3-8 g/l  
Urea : 80-100 g/l  
Ammonium sulphate (25%) : 10-20 g/l  
Supergen-MX : 10 g/l

Pad -> Dry -> Print (Ink-Jet printing)

##### Ink-Jet Printing

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Printing : Ink-Jet with Acid ink  
Steaming : 102-105 deg.C, 10-20 mins.followed by washing

Incase of Polyamide / Wool, fixation with 0.4-1.5 g/l Sarafix (NEW), pH 4.5-5.5 at 70-80 deg.C for 15-20 min is recommended.

##### Note:

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1. Sarasol-CL can be applied by coating with 50% diluted product.
2. Concentration of Sarakol-NF to be added depending on GSM of fabric. For lower GSM fabric, lesser quantity of Sarakol-NF is required compared to higher GSM fabric.

### 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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