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 clear viscous liquid
Ionic nature	:	Anionic
pH of 1% solution	:	6 +/-1
Miscibility	:	Miscible with water
Compatibility	:	Compatible with anionic 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
   ----------------
   Printing          : Ink-Jet with Reactive ink
   Steaming          : 102-105 deg.C, 7-10 min.

   After treatment (Washing)
   -------------------------
   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)
   -----------------------
   Sarasol-CL        : 60-80 g/l
   Sarakol-NF        : 1-5   g/l

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

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

   After-treatment (washing)
   -------------------------
   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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3. Ink-Jet printing on Silk, Wool, Polyamide (Acid ink)

Pre-treatment

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

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:

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	: 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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