**PRODUCT LITERATURE**

**SARASOL-1101**

**Product Information**

Sarasol-1101 is a thickening agent which is applied in the pre-treatment padding process before Ink-Jet printing on various substrates. Sarasol-1101 is suitable on all types of fabrics printed with disperse, reactive and acid inks. Sarasol-1101 being a high molecular weight product locally increases the viscosity thereby prevents spreading of prints. Sarasol-1101 delivers level prints with sharp outlines and improved colour value. It has a film forming and adhesion property. The advantage of Sarasol-1101 is ready to use product with consistent viscosity. Sarasol-1101 is stable as there is no bacterial attack. The feel of the fabric is not affected.

**Key Features & Benefits**

<table>
<thead>
<tr>
<th>Key Features</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>Ink Jet printing</td>
<td>Improves colour yield, levelness &amp; sharpness of prints on cotton, polyester, wool, silk and polyamide fabrics</td>
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<tr>
<td>Universal</td>
<td>Suitable for all types of ink</td>
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<tr>
<td>Easy wash-off</td>
<td>Does not interfere in subsequent processing</td>
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**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 Polyester (Disperse ink)

    Pre-treatment (Padding)

    | Product       | Concentration (g/l) |
    |---------------|---------------------|
    | Sarasol-1101  | 50-80               |
    | Sarakol-NF    | 1-3                 |
SARASOL-1101

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

Pre-treatment
---------
Sarasol-1101     : 60-100 g/l
Sarakol-NF      : 1-3 g/l
Urea            : 50-100 g/l
Soda ash        : 30-40 g/l
Super R Salt    : 10-15 g/l

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

Ink-Jet Printing
-------------
Printing        : Ink-jet with disperse ink
Steaming       : 170-180 deg.C, 6-8 min. OR
Thermofix      : 180-190 deg.C, 1-2 min. OR

After-treatment (washing)
-------------------------
Cold wash       : 5 mins.
Reduction clearing: 0.5-0.75 g/l, Reducon-ACD (Conc) at 4.5-5.0 pH, 60-70 deg.C, 10 mins.

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

Pre-treatment
---------
Sarasol-1101     : 60-100 g/l
Sarakol-NF      : 1-3 g/l
Urea            : 50-100 g/l
Soda ash        : 30-40 g/l
Super R Salt    : 10-15 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. OR
Thermofix      : 140-150 deg.C, 3-5 min.

After treatment (Washing)
-------------------------
Cold wash       : 5 mins
Soaping        : 1-2 g/l Sarakol-1583, 98 deg.C, 5 mins. (twice)
Hot wash        : 3 mins at boil (twice)
Cold wash       : 5 mins.
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3. Ink-Jet printing on Silk, Wool, Polyamide (Acid ink)

Pre-treatment

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<tbody>
<tr>
<td>Sarasol-1101</td>
<td>60-80 g/l</td>
<td></td>
</tr>
<tr>
<td>Sarakol-NF</td>
<td>1-3 g/l</td>
<td></td>
</tr>
<tr>
<td>Urea</td>
<td>80-100 g/l</td>
<td></td>
</tr>
<tr>
<td>Ammonium sulphate (25%)</td>
<td>10-20 g/l</td>
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<tr>
<td>Supergen-MX</td>
<td>10 g/l</td>
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Pad -> Dry -> Print (Ink-Jet printing)

Ink-Jet Printing

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<tbody>
<tr>
<td>Printing</td>
<td>Ink-Jet with Acid ink</td>
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<tr>
<td>Steaming</td>
<td>102-105 deg.C, 30-40 mins. followed by washing</td>
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In case of Polyamide / Wool, fixation with 1-3% Sarafix-(NEW), pH 4.5-5.5 at 70-80 deg.C for 15-20 min is recommended.

Note:

- Sarasol-1101 can be applied by coating with 50% diluted product.

- Concentration of Sarasol-1101 to be added depending on GSM of fabric. For higher GSM fabric, lesser quantity of Sarasol-1101

Precautions

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<tr>
<td>Storage</td>
<td>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.</td>
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<tr>
<td>Shelf Life</td>
<td>9 months from the date of manufacturing, if stored under controlled conditions.</td>
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[The above information is given in good faith and is without warranty]

Prod.Code :L008783 | Last Upd. On : 14/10/19 | MOL1