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## MIGRASOL SAP

<b>Character</b>	Migration inhibitor for continuous dyeing
<b>Chemical character</b>	Aqueous solution of sodium acrylamide/acrylate polymers
<b>Appearance</b>	Clear, yellow, viscous liquid,
<b>Ionic character</b>	Anionic
<b>pH Value of a 10 % Solution</b>	5.5 – 6.5
<b>Specific weight at 20 °C</b>	1.1
<b>Stabilities</b>	<p>MIGRASOL SAP is compatible with anionic and non ionic auxiliaries. Cationic products or synthetic resins may cause precipitations.</p> <p>MIGRASOL SAP is stable to alkali and acids in the usual concentrations.</p> <p>The product is sensitive to frost to a certain extent; changes arising at low temperatures will disappear when warming up and stirring well.</p>
<b>Storage</b>	If stored properly in closed original containers, the product will hold for at least 12 months.

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## Properties

MIGRASOL SAP prevents migration of disperse, vat, sulphur and pigment dyestuffs in pad dyeing procedures on cotton, polyester and their blends. Due to the higher liquor viscosity and better penetration of the dyeing, - because of a lower surface migration -, a more even fabric appearance will be obtained.

MIGRASOL SAP is most efficient in pH ranges between 5.0 and 9.0.

MIGRASOL SAP can be rinsed easily.

The product does not foam.

## Application technique

### Diluting instructions

MIGRASOL SAP is easy to dilute with cold and warm water by stirring.

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## Application fields

- Application in pad-dry-pad-steam procedures, Econtrol procedures, pad-dry-jig-procedures on cellulose wovens with vat dyestuffs,
- Application when dyeing polyester/cellulose blends with dispersion and reactive dyestuffs by means of the thermosol procedure and subsequent fixation,
- Application in thermosol procedures on polyester,
- Application in wet-on-wet procedures. MIGRASOL SAP largely prevents the padded, non-fixed dyestuffs from separating in the second padding process.
- MIGRASOL SAP prevents the dyestuff migration when drying.
- Migration can also happen when the squeezing effect is too high. The reason for dyestuff migration is the water exchange between the fibre interspaces. MIGRASOL SAP prevents this movement by forming larger agglomerates. These agglomerates dissociate during the thermosol or dyeing process and the normal dyestuff fixation takes place. The polymer is removed from the fibre during the subsequent rinsing processes.

MIGRASOL SAP is padded with an anionic wetting agent such as COLORCONTIN SAN or KOLLASOL IND and perhaps with a dispersing and sequestering agent (MEROPAN DPE) together with the dyestuff. The pH value of the liquor shall be between 5.5 and 6.5 (NEUTRACID BO 45).

## Recommendation for use

The application concentration depends on the fibre composition and the fabric structure. The opener and lighter the fabric is and the higher the synthetic fibre part, the more MIGRASOL SAP has to be applied.

### Cotton fabrics

5 – 10 g/l MIGRASOL SAP  
in extreme cases up to  
20 g/l MIGRASOL SAP

### Polyester/cellulose mixtures

5 – 15 g/l MIGRASOL SAP

### Synthetic fibres

10 – 20 g/l MIGRASOL SAP

### Preparation of the padding liquors

MIGRASOL SAP is diluted while stirring with 10 to 20 times cold or warm water. Then the other dissolved auxiliaries are added and finally the dyestuffs. When dealing with fibre mixtures, the dyestuffs are to be dissolved resp. dispersed apart from each other.

We propose to add the dissolved auxiliaries and dissolved or dispersed dyestuffs through a sieve or a filter and then fill up to the required level.

The liquor shall have a temperature between 20 and 30 °C before padding.

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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