Uniperol® Level P

Previously Peregal® P

Leveling agent for vat dyes

During the dyeing of cellulosic fibres with vat dyes by the exhaust method, Uniperol® Level P improves the levelness of the dyeings without affecting the colour yield.
Chemical character
Polyamidoamine, in water

Delivery form
Pale yellow to light brown liquid

Shelf life
Uniperol® Level P can be kept in the original sealed containers at temperatures between 0 °C and 40 °C for at least 12 months. Opened containers should be used up as soon as possible. The containers should be properly resealed after use.

Notes on safe handling, disposal, ecology and toxicology
Before the first use, reference should be made to the current Safety Data Sheet.

Materials to avoid:
Strong acids, strong alkalis, strong oxidising agents.

Properties

Product Specification
Product specification Tolerances for test characteristics are given in the product specification.

Density (20 °C)
Approx. 1.1 g/cm³

Solubility (20 °C)
Very good solubility (clear solution).

Reaction
A 10% solution has a pH value of 9.5 – 11.0.

Stability
Uniperol® Level P, used in vat dyeing at normal concentrations, is stable to alkalis and electrolytes up to 110 °C.

Ionic activity
Cationic character in solutions with a pH value of < 7.

Compatibility
With anionic substances, Uniperol® Level P may form low solubility compounds in neutral or acid liquors. In alkaline liquors, Uniperol Level P has good compatibility with anionic wetting agents and dispersing and dyeing auxiliaries.

Note
The product property data merely provides an indication of how the product is to be used. They do not constitute the agreed quality of the product, nor are they the object of regular quality control tests.

Action and advantages

Uniperol® Level P is a levelling agent with affinity for dyes and builds loose adducts with the leuco compounds of vat dyes. Uniperol Level P retards the fast exhaustion of dyestuffs, improves levelling and improves the evenness of the dyeing: Improves process safety.

The product has no wetting or detergent properties and does not cause foaming.

Note:
The product is not intended for use with direct dyes. Uniperol Multifunction O Micro is recommended as a levelling agent for direct dyes (previously Uniperol O Micropearl).

Application

Dissolving
Uniperol® Level P can be diluted with hot or cold water.

Addition to the dye liquor
Uniperol® Level P can be added directly to the dyebath in an undiluted form.
Note addition sequence: Uniperol® Level P must be added to the dye-bath after the alkali.

When stock vat liquors are being used, the product should be added after vatting the dyes or, better still, to the ready-to-use dye liquor.

### Application rates

( Guideline values)

<table>
<thead>
<tr>
<th>Liquor ratio</th>
<th>Uniperol® Level P (g/l)</th>
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</thead>
<tbody>
<tr>
<td>1 : 30 to 1 : 20</td>
<td>0.25 – 0.75</td>
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<tr>
<td>1 : 20 to 1 : 8</td>
<td>0.75 – 1.5</td>
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<tr>
<td>1 : 8 to 1 : 3</td>
<td>1.5 – 3.0</td>
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When dyeing mercerised, causticized cotton or viscose, the Uniperol® Level P rate should be increased by 25–30%.

#### Dyeing in circulating-liquor machines and on the winch beck

Uniperol® Level P should be added to the dyebath after the alkali.

#### Dyeing in Jigger

When dyeing by the pad-jig process, Uniperol® Level P should be added to the developing liquor, not to the pigmenting liquor.

#### Dye retarding action

Uniperol® Level P holds in general vat dyes back very little in the dye bath; an increased retention (retention effect) can, however, occur in the following dyes:

- Vat Blue 22
- Vat Black 9

It is advisable to test individual vat dyes, especially blue and black types.

The recipe recommendations are given for guidance only and must be adapted to field conditions in individual cases.

### Safety

When using this product, the information and advice given in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Please note the information and details on the internet at www.basf.com/textile-responsibility

### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. Responsibility for compliance with the requirements of the downstream textile market rests with the textile processor.

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