## Chemical Basis
Aqueous dispersion of styrylbenzene derivative

## Colour Index Number
FWA C.I. 199

## Ionicity
Non-ionic

## Form
Blush to Green dispersion

## pH of a 10% dispersion
4.5 to 5.5

## Dispersion Properties
Miscible in cold water in all proportions

## Shelf life
When stored in its original sealed container, Luminophore ERB, has a self-life of about 1 year.

## Light fastness
5 - 6

### SPECIAL PROPERTIES
- Excellent Whiteness Maximum
- Owing to its high yield, Luminophore ERB is very economical.
- Luminophore ERB can exhibit very good suitability by exhaustion or padding process.
- Luminophore ERB, as dispersed in water, is neutral and stable to acids and alkalis, giving good optical whitening effect at a wide range of pH value (3.0 to 9.0)
- Luminophore ERB has an inherent Bluish hue, additions of a violet disperse dye, 0.1% to 0.2% on the weight of Luminophore ERB would help increase whiteness and adjust colour shade.
- Luminophore ERB exhausts almost completely under HT conditions. It has low affinity at the boil but uptake can be improved by addition of suitable carriers.

### NOTES ON APPLICATION

#### Exhaust application
In the exhaust process it is recommended to heat the bath rapidly to 90°C, if the product is applied at 100°C, a suitable carrier must be added.

<table>
<thead>
<tr>
<th>Process</th>
<th>Luminophore ERB</th>
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</thead>
<tbody>
<tr>
<td>Carrier process</td>
<td>0.1% to 0.3%</td>
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<tr>
<td>HT process (15-30 mins. at 130°C)</td>
<td>0.1% to 0.4%</td>
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</tbody>
</table>

#### Continuous process (Pad Thermosolling)
Luminophore ERB produce an excellent brilliant white effect at thermosol temperature of 170°C to 210°C.

<table>
<thead>
<tr>
<th>Material</th>
<th>Luminophore ERB</th>
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</thead>
<tbody>
<tr>
<td>Curtains</td>
<td>1 to 5 g/l</td>
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<tr>
<td>Knitted fabrics</td>
<td>1 to 2 g/l Luminophore ERB (adjust pH to 3.5 of the liquor)</td>
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</tbody>
</table>

AS IS THE CASE WITH ALL DISPERSIONS, LUMINOPHORE ERB MAY TEND TO SETTLE DOWN ON PROLONGED STORAGE. IN SUCH A CASE, SIMPLE STIRRING SHALL RETURN THE PRODUCT TO ITS ORIGINAL FORM.