DAIKAFFIL CHEMICALS INDIA LIMITED

# DIKAPHOR BSU

## OBA-264

Optical Brightening agent for Cellulose

**DIKAPHOR BSU** is **OBA** for cellulose fabrics especially for Co-application in resin finishing bath due to their highest stability to acidic pH as well as to organic metallic based catalysts.

DIKAPHOR BSU is a low substantive fluorescent brightening agent, with outstanding heat and acid stability. It is most effective when applied to natural or regenerated cellulosic fibres by padding, particularly from moist-cure resin systems.

**Physical properties: -**

| | | |
|---|---|---|
| Appearance | : | Pale yellowish transparent liquid |
| Chemical Component | : | Derivative of 4,4'-Diaminostilbene -2,2'-disulfonic acid |
| Ionic | : | Anionic |
| Shade | : | Slightly bluish and brilliant whiteness |
| Solubility | : | Good |
| Affinity | : | Slow |
| Light Fastness | : | Good |
| Heat stability | : | Excellent |
| Washing Fastness | : | Good |
| Applicable lowest pH | : | 3 - 3.5 |
| Compatibility | : | compatible to various kinds of finishing resins and their Catalysts. |

DIKAPHOR BSU is suitable for padding application in conventional resin finishing processes and also in wet crosslinking process because of its outstanding heat and acid stability.

**Application: -**

1) for Padding method : Material = 100% cotton fabric
   - Dikaphor BSU : 5 - 10gm/L
   - Padding temp. x time : 20 - 40$^{o}$C x 2-10sec.
   - Pick up : 80 - 100%
   - Process : Pad - dry

2) for Resin finishing : Material = 100% Cotton broad
   - Dikaphor BSU` : 5 - 15gm/L
   - Finishing resin (Glyoxal type): 70 - 100gm/L
   - Catalyst : 20 - 30gm/L
   - Pick up : 70 - 90%
   - Padding : 1 dip x 1 nip
   - Pre-drying : 80 - 100$^{o}$C x 1 - 3 min.
   - Curing : 150 - 160$^{o}$C x 3 - 5 min.
   - Soaping : required.

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DIKAPHOR BSU can also be applied by exhaustion and can be used effectively in Kier bleaching where it gives perfectly level dyeings.

**CERTIFICATE OF ANALYSIS**

1. Product Name : **DIKAPHOR BSU**
2. Chemical Composition : Stilbene Derivative
3. Ionic Nature : Anionic
4. Party Name : Textile Chemie Germany
5. Date : 02.08.2004
6. Sample Qty. : 500.0gm

| Sample | Ref : No. | Appearance | Specific Gravity | PH | UV-VIS Spectrophotometer Scanning Report | |
|---|---|---|---|---|---|---|
| | | | (gm/cc) | (1%Aq.) | Wavelength | E-Value |
| BSU | OB/18/04 | Pale Yellow Liquid | 1.187 | 9.1 | 350.0 | 75.5 |
| | | | | | | |
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