

ITOWHITE BHB is a highly substantive optical brightening agent for cellulosic fibres.

PROPERTIES

- **Appearance** : Blue Liquid
- **Main Ingredient** : Stilbene derivative
- **Ionic Character** : Anionic
- **Solubility** : Miscible
- **Specific Gravity (25°C)** : 1.17

APPLICATION

In Padding:

- **ITOWHITE BHB** : 5-10 g/l

In Bleaching:

- **ITOWHITE BHB** : 0.5-1.0%

CHARACTERISTICS

1. Highly effective optical brightening agent when applied to cellulosic fibres
2. Applicable by exhaustion techniques from a peroxide bleaching bath, from either jet, winch or package machinery
3. Applicable by padding where there is no likelihood of tailing
4. Not suitable for kier bleaching as it is too substantive

DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

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APPENDIX

ITOWHITE BHB is most commonly applied from a hydrogen peroxide bleaching bath, typical recipes for which are given below.

COTTON & VISCOSE

Winch or Jet Bleaching

- Hydrogen Peroxide 35% (w/w) : 8.0ml/l
- Caustic soda (flake) : 0.5g/l
- Peroxide Stabiliser : 1.0g/l
- ITOWHITE BHB : 0.5-1.0%

Jig Bleaching

- Hydrogen Peroxide 35% (w/w) : 3 - 5%
- Caustic soda (flake) : 1-1.5%
- Peroxide Stabiliser : 1-1.5%
- ITOWHITE BHB : 0.5-1.0%

Package Bleaching

- Hydrogen Peroxide 35% (w/w) : 13.0ml/l
- Caustic soda (flake) : 0.5g/l
- Peroxide Stabiliser : 1-2/l
- ITOWHITE BHB : 0.5-1.0%

Bleaching is normally carried out for 45-60 minutes. For best whitening results the bath should be cooled back to 60°C at the end of the bleaching process.

POLYESTER/COTTON BLENDS

Bleaching of polyester/cotton blends is carried out similar to 100% cotton using 0.5-1.0% of ITOWHITE BHB based on the cotton component.

Bleaching can be carried out at 120-130°C for a further 20 minutes in order to exhaust the polyester OBA.

COTTON/POLYMAIDE BLENDS

Application to cotton/polyamide blends from the peroxide bleach bath does not generally produce a completely solid white and should instead be applied from a bath containing 3g/l ITOCLEAR LJBL for 30 minutes.