GOLDBLANC BHV

Optical brightener for cellulosic fibers with violet hue to cellulosic fibers and their blends.

Features and Benefits:

- Optical Brightener high affinity.
- Excellent fastness to washing, even when applied at high temperatures.
- White light with a high degree of whiteness.
- Excellent reproducibility of the white effect and the violet hue.
- Homogeneous product, with no tendency to sedimentation, ensuring reproducibility starting the match.
- Good stability to alkali, hydrogen peroxide and electrolytes. Suitable for discontinuous bleaching systems with hydrogen peroxide.
- Good light fastness and wet.
- Product has good stability if stored as guidelines MSDS.
- This product fits the requirements of ZDHC program (Zero Discharge of Hazardous Chemicals).

Physico-chemical parameters:

Appearance	Liquid Blue.
Nature chemistry	Aqueous composition stilbene derivative.
Ionic character	Anionic.
Solubility (sol. 1% p/p)	Soluble at 25 ° C under stirring.
Specific weight (25°C)	Approx. 1.2g / ml
pH (such as)	9.5 – 11.5
Compatibility	Compatible with anionic and nonionic products, however it is recommended to pre-test.
pH Stability	7.0 – 12.0
Property Soundness	See table below.

Property Soundness			**CEL**
Light		ISO 105-B02	3 – 4
Wash *	40°C	ISO 105-C06/A1S	5
	60°C		4 – 5
	95°C	ISO 105-C06/E2S	4
Sweat	Alkali	ISO 105-E04	5
	Acid		5
Dry Heat	30s / 180°C	ISO 105-P01	5
Nitrogen oxides	1 cycle	ISO 105-G04	5
	2 cycles		4 – 5

* The scores are maintained when the wash bath contains a reductive bleaching agent (sodium hydrosulfite) or oxidizing agent (hydrogen peroxide).

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Application:

In neutral and alkaline baths, with or without addition of electrolytes, particularly for regenerated cellulose. Preferable together with peroxide bleaching.

Dissolution / Dilution	Miscible with hot or cold water in all proportions. The solutions should be stored in the dark, away from light.
Revenue recommendation	- 0.3 – 0.7% Goldblanc BHV.
Peroxide bleaching more simultaneous optical brightening	- 0.5 – 1.0 g/l Goldpal UHN; - 0.5 – 1.0 g/l Goldstab OX; - 5.0 g/l Caustic soda 50%; - 5.0 – 6.0 ml/l Hydrogen peroxide 50%; - 0.3 – 0.6% Goldblanc BHV; - Liquor ratio: 1:8. **Time / Temperature** - Without chemical bleaching: 15 – 30’ a 80 – 60°C; - With chemical bleaching: 20 – 60’ a 120 – 90°C;

Information storage, security and handling, see the Safety Data Sheet (SDS).

Review: 01/26/2016