

Milky White BYB Powder is broadly used in textile application for high temp exhaust process. Milky White BYB Powder is highly suitable for sodium hydrosulphite and hydrogen peroxide baths. It gives very good bluish effect due to high bath exhaustion. Milky White BYB Powder is suitable product for terry towel and hosiery industries where bluish shade is required. Milky White BYB Powder is a high substantive Optical Whitening Agent for Natural and Regenerated fibers, Polyamide, wool and silk. Cellulose, wool and silk are preferably brightened in discontinuous long liquor procedure. For polyamide fiber it is possible to use continuous procedures such as pad steam or pad roll. Milky White BYB Powder delivers better washing fastness.

PROPERTIES :

Appearance	:	Yellow colored powder.	
Chemical composition	:	Stilbene derivative	
Ionic Character	:	Anionic.	
Solubility	:	30 gms/ltr in water.	
Storage Stability	:	1Year.	
Shade	:	Bluish White.	
Bulk Density	:	0.8 ± 0.015 gm/ml.	
Stabilities	:	Hydrogen peroxide	very good
		Sodium hydrosulphite	good
		Hypochlorite bleach	instable
		Chlorite bleach	instable
		Stability to hard water	upto 350 ppm caco ₃
		Ph	7- 12
		Acid stability	instable
		Alkali stability	very good

APPLICATION METHODS :

Dilution :

Milky white BYB can be dissolved by mixing 40 to 50 fold amount of hot water preferably above 80 .The stock solution must be protected from direct sun light.

Recipe Proposal :

Exhaust with hydrogen peroxide bleach : 0.2 - 0.5 % Exhaust with bleached substrate : 0.2 - 0.4 %

Exhaust on Polyamide/wool/silk : 0.5 - 1.0 %

Light fastness properties	CEI	CEI	WO	S
Light (ISO 105 - B02)	3- 4	3	2	2-3
Washing (test 1, 40°C)	4-5	4-5	4-5	4-5
Washing(test 3, 60°C)	5	5	-	-
Washing(test 4, 95°C)	4-5	4	-	-
Dry heat (30s/180°C)	4	4	-	-
Perspiration (Acid/Alkali)	4	4-5	4	4

Recommended : Single bath scouring bleaching at high temp

Recommended : Exhaust (polyamide/wool/silk)along with sodium hydrosulphite at high temp Not

recommended : Padding application &low temp exhaust application.

Toxicology :

Lethal dose in rats (LD50) is about 5300 mg/kg body weight. Tests on rabbits showed that there was no irritation on the skin or mucous membranes.

This product is partially eliminated by the micro-organisms in activated sludge and does not impair their effectiveness in amounts up to 300 mg/l. Trout withstand up to 1000 mg/l on brief exposure (48 hours).

The above information and recommendation contained in this data sheet are based on the present state and best of our knowledge and belief. Our suggestion does not release you from the obligation to check its validity and to test our products as to its suitability for the intended process and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical guidelines are beyond of our control, and, therefore, entirely your own responsibility.