SUN WHITE CHEMICALS

Plot No.C1B 3420, PCI Chokdi,
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OBTEX-TG-LIQUID

Product Details:

OBTEX TG LQ. is a high substantive Optical Whitening Agent for natural and regenerated fibres, particularly suitable for the exhaustion method.

PROPERTIES:

Chemistry	Derivative of Stibene Disulphonic Acid
Appearance	Clear Amber coloured liquid
Ionic Nature	Anionic
Sp.Gravity	1.18 – 1.20
Shade	Blueish to Neutral white
Solubility	Soluble in all proportions
Substantivity	High
pH (1% aq soln)	8.5-9.0

It is insensitive to medium hard water (approx 15 Degree German)

STABILITY

	In Solution	On the Fibre
Peroxide	Very good	Very good
Hydrosulphite	Very good	Very good
Chlorine	Not stable	Good
Acids	Not stable under pH 6	Not stable und pH 6.0
Alkalis	Very good	Very good

FASTNESS:

Light	3=4
Washing	5

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APPLICATION

1. Application on Cellulose:-

a) which or jet Bleaching	Hydrogen Peroxide 50%	8 mls/litre
	Caustic Soda	4.0 G.P.L.
	Organic Stabilizer	0.5 – 1.0 G.P.L.
	Wetting Agent	As required
	OBTEX-TG LQ.	0.20-0.4% on wt. of Fabric
b) Jig Bleaching	Hydrogen Peroxide 50%	3-5%
	Caustic Soda	1-1.5%
	Organic Stabilizer	1-1.5%
	Wetting Agent	As required
	OBTEX-TG LQ	0.20 – 0.4%
c) Packing Bleaching	Hydrogen Peroxide 50%	8 mls/litre
	Caustic Soda	3.0-4.0 GPL
	Organic Stabilizer	1-2 gpl
	Wetting Agent	As required
	OBTEX-TG LQ	0.20 – 0.4%

In each case the leach is normally carried out @100 Degree C for approximately one hour with Gradual Rise in Temperature.

2. Application on Polyester/Cotton Blends — The bleaching of Polyester/Cotton Blend is generally carried out with bleach liquors similar to those used for 100% cotton fabrics as detailed in section 1.

3. Application on Polyamide/cotton Blends — OBTEX TG LQ can be used obtain solid whites on bleached Cotton/Polyamide blends by application from stabilized hydrous at 70^{O}C-80^{O}C at 6-7 pH for half an hour.

4. Application on Polyamide — Although **OBTEX-TG LQ** is application to nylon from a slightly acidic bath at pH 6.0 at a temperature of 80^{O}C – 90^{O}C. Preferred method of application is as follow:

OBTEX-TG LQ	0.5 – 1.2% on wt. of goods
Stabilized hydros	1-3 gpl
Temp.	80-90 Degree C
Time	45 minutes

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NOTE:

i) Dilute solutions must not be exposed to natural light
ii) Do not use cationic auxiliaries
iii) Heavy metal ions may interfere with the effect of anionic Optical Brightners. This can be avoided by adding suitable chelating agents.