



Florescent Brightener For Cotton -08

(FLORESCENT BRIGHTENER FOR CELLULOSE)

Technical Data Sheet

Version : 04012021-1.0

Composition

- ◆ Derivative of Stilbene Disulphonic Acid.
- ◆ Anionic.

Properties

- ◆ Physical appearance : Greenish yellow powder.
- ◆ pH value : 8.0 – 10.0 at 30°C.
- ◆ Solubility : 200 g/L at 30°C.

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Advantage & Features

- ◆ Produces a neutral to slightly bluish mixture white.
- ◆ Low to moderate affinity, primary suitable for application in the padding process.
- ◆ Stable to hard water
- ◆ Neutral to weakly alkaline reaction.

Storage and Lifetime

- ◆ When storage correctly in sealed containers has a self life to 12 months.
- ◆ The product should be protected from direct light.
- ◆ Packaging in an 25 Kg carton boxes.

IDEAL WHITENESS THROUGH SINARWHITE

Date of issue : January, 04th 2021
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Application

Padding process

	Without bleach	With Bleach
FLORESCENT BRIGHTENER-08	0.3 – 3.0g/L	0.6 – 6.0g/L
Liquor pick-up	70 – 80%	70 – 80%
Sinarscour SSB		1 – 2 g/L
Sodium Hydroxyde		10 – 15g/L
35% Hydrogen peroxyde		30 – 50ml/L
Temp	Cure 140 – 160°C	Steam 102 – 105°C
Time	3 – 5 minutes	20 – 25 minutes

Fastness

Light Fastness	:	4
Washing Fastness		
40°C	:	5
60°C	:	4-5
90°C	:	4
Perspiration Fastness		
Acid	:	5
Alkaline	:	5
Gas Fume Fastness	:	4-5
Dry Heat Fixation at 180°C	:	5

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Stability

	In the liquor	On the fibre
Hypochlorite bleach liquors	Not stable	Good
Sodium hypochlorite bleach liquors	Not stable	Not stable
Peroxide bleach liquors	Very good	Very good
Hydrosulphite bleach liquors	Very good	Very good
Acids	Good (pH>5)	Good
Alkalis	Good	Very good
Hardness water	Very good	-

Compatibility

Resin finish	:	Very good (pH>5)
Anionic and Non ionic Softener	:	Very good
Anionic and Non ionic Wetting agents	:	Very good
Cationic chemicals	:	Not compatible

*Abbreviations

ES : Effect on Shade

SC : Stain on Cotton

**Dischargeability

A : Dischargeable to high white

B : Dischargeable to normal white

C : Only suitable for colour discharge

D : Not suitable

Notes Concerning the Application

1. Do not expose the diluted solutions to direct light.
2. Cationic auxiliaries must not be used in liquors that contain OBA-08 since they can lead to precipitations.
3. Nitrate salts catalyst can only be used in finishing when the goods are thoroughly washed after curing to avoid brown discoloration on exposure to light.
4. The pH must be higher than 5 when magnesium chloride is used in reactant finishes, otherwise precipitation will occur.

All the information is based on our knowledge and experience. This is being provided for guidelines without obligations. Customer are encouraged to carry out trials at their end. All standard safety precaution applicable should be followed while handling as with all other dyes and chemicals.

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