BRITE BBU

Fluorescent whitening agent for cotton (padding application)

SPECIAL PROPERTIES:

- Low affinity: Particularly suitable for pad processes
- Excellent compatibility with resin finishes
- Highly successful as an addition to discharge pastes for white discharges

GENERAL PROPERTIES:

Chemistry : Derivative of stilbene disulphonic acid**.**

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Dissolving:

The powder types are dissolved by pouring over three to five times the amount of boiling water. The liquid grade can be diluted with hot or cold water. Water up to medium degrees of hardness can be used. Do not expose the diluted solutions to direct light.

Ionicity	:	Anionic
Stability to hardness	:	Not sensitive to salts causing hardness of water
pH of soln.	:	Neutral to slightly alkaline.
Affinity	:	The products have low affinity**.** Through the addition of salt it is, however, possible to **appreciable increase the affinity .**

Technical advice on application:

Cellulosic fibers:

BRITE BBU has only a low affinity. This is why these **BRITE BBU** types are primarily suitable for application in the padding process. There are virtually no problems as regards tailing , not even when working in resin finishes with relatively high amounts of catalyst (ammonium or magnesium salt) .

BRITE BBU is compatible with the conventional finishing agents . Care should nevertheless be taken that no cationic auxiliaries are used , since they can lead to precipitation's with theanionic fluorescent whiteners

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When used in finishes with resin pre-condensates , the choice of suitable catalysts is very important . Nitrate salts can only be used as catalysts when the goods are thoroughly washed after curing , otherwise brown discoloration occurs within a short time on exposure to light . With reactant finishes in which magnesium chloride is used as the catalyst, the pH must be above 5, otherwise precipitation will occur.

BRITE BBU can also be applied by the exhaust process . However, in order to insure adequate exhaustion of the fluorescent whitener, use must be made of hard water or salt must be added .

Note : Heavy metal ions, e.g. of copper, iron and manganese (as from approx. 0.1 mg/1) interfere with the effects of fluorescent whitening agents. These ions must be masked with sequestering agents e.g. product EP 60 .

Guide recipes : In liquors free of electrolytes we recommend using **BRITE BBU**

(A) Padding process :

0.5 – .75 g/1

(B) Exhaust process :

0.1-0.5 wof

Time	: 20 - 30 minutes
Temperature range	: 20 - 120°C
pH rage	:3 - 11
Salt addition :	3 - 5 g/1 sodium sulphate calc.

(C) Peroxide cold-pad batch bleaching:

3 - 5 g/1 BRITE BBU

(D) White discharge :

1 - 10 g/l

Please stir well before use.

Keep @ temperature max. 40°C.

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