



STABITEX BST LIQ.

COMPOSITION

Stabitex BST Liq. is an organic stabiliser designed to control the destabilisation of hydrogen peroxide during the bleaching process.

Mixture of organic compounds

TYPE

Anionic

APPEARANCE

Colourless to light yellow clear liquid.

SOLUBILITY

Soluble in water in all proportions .

COMPATIBILITY

Compatible with anionic and non-ionic products.

PROPERTIES

Stabitex BST Liq leads to the production of superior whites by chelating with metal impurities in water to eliminate premature decomposition of the hydrogen peroxide.

Eliminates the possibility of iron stains as the iron present will be chelated.

Produces some what softer handle to the bleached fabric than most conventional organic stabilisers and also very much softer handle to the bleached fabric than inorganic stabilisers such as sodium silicate.

Is non foaming and therefore suitable for all types of equipment including jet machine.

Should always be used in conjunction with a wetting agent/detergent to ensure optimum result.

The use of Stabitex BST Liq. eliminates following problems associated with the use of Sodium Silicate .

-Poor running properties of the fabric.

-Variable rewetability of the fabric.

pH

3-4

APPLICATION:

Recommendation for combined Scouring/Bleaching.

The recipes are intended as a guide only.

Desizing

For woven fabrics sized with starch products, a preliminary desizing stage with enzyme is recommended. Other sizes will be normally removed in the combined scour bleach operation.

Winch 20: 1 - 10: 1 Hydrogen peroxide (35 %) 5 - 7.5 ml/l
Caustic Soda (70 °TW 38 Be) 5 - 7.5 ml/l Stabitex BST Liq. 1 - 2 g/l Texwet NID 1 - 2 g /l

Set at 55 °C. Raise to 90 °C over 30 minutes. Bleach for 1- 2 hours depending on the quality of bleach required. Rinse and neutralise.

Package Process

Hydrogen peroxide (35 %) 7.5 - 10 ml/l Caustic Soda (70° TW – 38° Be) 1 - 2 ml/l Stabitex BST Liq. 2 ml/l Texwet NID 1 - 2 g / l Set at 55° C. Raise to 90 °C over 30 minutes. Continue for 1 - 2 hours, followed by rinsing and neutralisation. If higher bleaching temperatures up to 120 °C are used the time can than be reduced by 20 - 30 minutes.

Jig Process

Hydrogen peroxide (35 %) 7.5-10 ml/l Caustic soda (70° TW - 38 Be) 10 - 15 ml/l Stabitex BST Liq. 3 -5 g/l , 2 - 3 g/l Texwet NID

Woven fabric should be desized prior to bleaching/Scouring to prevent build up of size in the liquor. The first end should be run at 40 - 50 °C and the temperature raised to 80 - 90 °C and bleaching continued for 1 - 2 hours. The fabric is given four rinses and neutralised.

Kier

Hydrogen peroxide (35 %) 15 - 30 ml/l Caustic soda (70 °TW - 38 Be) 5 - 10 ml/l Stabitex BST Liq. 2 - 3 g/l Texwet NID 1 - 2 g/l

Set at 50 °C raise to 85 °C in 45 minutes, and maintain for 3 - 6 hours. The quality of the fabric is improved by after scouring with :

Soda Ash 5 g/l Texwet NID 2 g/l Temperatures 80 - 100 °C

Continuous

For J-box and pad roll bleaching processes the following recipes are recommended:

Hydrogen peroxide (35%) 15 - 30 ml /l Caustic soda (70 °TW – 38° Be) 25 - 40 ml/l Stabitex BST Liq. 3 -6 g/l Texwet NID 2 - 4 g/l

Temperatures of 80 - 100 °C are normally used. Wash off in water at 95 °C

Cold pad batch

Hydrogen peroxide (35 %) 25 - 40 ml/l Caustic soda (70 °TW, 38° Be) 15 - 30 ml/l Stabitex BST Liq. 3 -6 g/l Texwet NID 2 - 4 g/l

Pad at (100 pick up) - batch and leave for 16 - 24 hours .Wash at

95° C in continuous washing machine or on Jig (2 ends) using :

Soda Ash 5 g /l Texwet NID 2 g /l

The quantities of chemical recommended should be reduced in proportion according to the amount of cotton present in synthetic /cellulose blends - the figures given are for 100 % cotton.

HANDLING AND STORAGE

Store between 35 °F / 2 °C and 105 °F / 40° C. Keep drums tightly closed. The usual precautions in keeping chemicals from skin and eyes and avoiding excessive inhalation of vapour should be observed.

SHELF LIFE

12 months