

## DENI-BRITE 250

### HYPO-Bleach Booster

**Characteristic** : Quaternized surfactant.

**Appearance** : Colorless liquid.

**Ionic State** : Cationic.

**Properties** :

- **DENI-BRITE 250** is a unique catalyst and desorbing agent, designed to accelerate action of chlorine bleach on indigo.
- During alkaline chlorine bleaching, the indigo, sulfur and azo dyes solubilized but their bond with the fibre is so strong to allow its dislodging. Deniquat displaces this equilibrium and thus ensures rapid migration of dyestuff from the fibre to the bath. It forms a strong complex with desorbed dye preventing the dye from redeposition.
- It prevents tinting of white or light shades or back side of denim garment due to redeposition of loose color and ensures sharp contrast.
- It optimizes the brightness, tone and the depth of shade resulting in aesthetically pleasing garments. Further it ensures consistent and reproducible results, eliminating batch to batch variations in shade and tone.
- **DENI-BRITE 250** enhances productivity and optimizing the quantity of hypochlorite required. It allows over 50 % reduction in dosage of sodium hypochlorite.
- **DENI-BRITE 250** also reduces processing time by one third to half time to achieve the same bleach effects.

This is extremely relevant during ice wash process where typical cycle for 2 – 3 hours.

The reduction in dosage amount and processing time results in following benefits,

- Reduced fabric damage,
- Lower localized abrasion and streak marks,
- Reduced quantities of antichlor and peroxide in subsequent steps,
- Reduced pollution of local environment.

- **DENI-BRITE 250** can be used to achieve various different effects on denim garment. It can be sprayed or applied on the garment by drying, subsequent bleaching step results in the sprayed/painted areas being lighter in contrast to the rest of garment.
- It can be screen-printed followed by drying and bleaching. This allows different motifs and prints to be achieved on the garment.

**Ph (25 °C)** : 6 – 7

**Application** :

- It is a highly active chlorine bleach activator and hence small amounts are sufficient to permit a high percentage reduction in chlorine concentration.
- As starting point, use 0,5 – 1 % o.w.g. **DENI-BRITE 250**, cut the amount of chlorine by 50 %. Other modifications of bleach cycle, such as time and temperature should be made after initial evaluations.
- Add **DENI-BRITE 250** into the machine after dilution by water at 60 °C, run 10 minutes and drain, start with chlorine bleach.
- After addition of **DENI-BRITE 250**, instead of draining, chlorine is supplied and bleaching is performed. Hue reached by two processes are different.

**Storage** : 1 year.

These data are based on our practical experience and may be recommended only without any liability, due to the different plant conditions.

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