

CHERCUT CF-2

Reactive dyes have characteristics such as sharp hue and high fastness, and are often used for dyeing cellulose products. However, some yellow and blue dyes are inferior in chlorine fastness to dyes of other hues. Chlorine for sterilization in tap water and pool water causes discoloration, and improvement is desired.

CHERCUT CF-2 is a chlorine fastness improver that significantly improves the chlorine fastness of reactive dyed things.

【Properties】

| | |
|-------------|--------------------------------------|
| Appearance | Light yellow liquid |
| Composition | Special cationic polymer |
| Ionic | Cationic |
| pH range | Approx. 6.5 (1% water solution) |
| Solubility | Solution in any proportions of water |

【Characteristic】

- ① Improving both the wet fastness to washing and chlorine for materials dyed with reactive dyes.
- ② Is a liquid form of fixing agent composed of cationic polymerization.
- ③ The influence on the fastness to light is little.
- ④ Can be applied to not only exhaustion method but also padding method with finishing resin.

Efficacy example

Cotton knit reactive dye green dyed cloth

Processing conditions : Bath ratio 1:20、 60°C×20min.
0) Without agent 1) CHERCUT CF-2 3% o.w.f.

| | Color fastness to Chlorinated water | | |
|---|-------------------------------------|-----------------|-----------------------|
| | Chlorine con. (10ppm) | Treatment cloth | Chlorine con. (20ppm) |
| 0 | | | |
| 1 | | | |

Cotton fabric green print cloth

Processing conditions : Pad(Pickup 100%)
→Dry (110°C×1min.)
0) Without agent 1) CHERCUT CF-2 20g/l

| | Color fastness to Chlorinated water | |
|---|-------------------------------------|-----------------------|
| | Treatment cloth | Chlorine con. (10ppm) |
| 0 | | |
| 1 | | |

The information contained in this pamphlet is offered as a guide to our customers. It is based on our experience over many years, but we are unable to undertake any responsibility as to its accuracy.



Improving agent of color fastness
to Chlorinated water

CHERCUT CF-2

Many cotton products are dyed with reactive dyes, but some dyes gradually fade with chlorine in tap water. Therefore, cotton products using dyes with weak chlorine fastness gradually fade and change to a lighter color after repeated washing. CHERCUT CF-2 is a chlorine fastness improver that significantly improves the chlorine fastness of reactive dye dyes.

By treating the CHERCUT CF-2 with this effect, it is possible to suppress fading due to repeated washing.

【Properties】

| | |
|-------------|--------------------------------------|
| Appearance | Light yellow liquid |
| Composition | Special cationic polymer |
| Ionic | Cationic |
| pH range | Approx. 6.5 (1% water solution) |
| Solubility | Solution in any proportions of water |

【Characteristic】

- ① Prevents fading of cotton products due to repeated washing and prolongs the color.
- ② Improving both the wet fastness to washing and chlorine for materials dyed with reactive dyes.
- ③ Is a liquid form of fixing agent composed of cationic polymerization.
- ④ The influence on the fastness to light is little.
- ⑤ Can be applied to not only exhaustion method but also padding method with finishing resin.

Efficacy example (The effect of suppressing fading due to repeated washing)

Test sample : Cotton knit blue dyed cloth (Reactive dye : Yellow0.03%、Red0.03%、Blue0.24%)
 Processing conditions : Bath ratio1:20、60°C×20min.
 0) Untreated 1) Common cotton fixing agent 4%o.w.f. 2) CHERCUT CF-2 4%o.w.f.
 Laundry conditions : JIS L 1930 C4M Method (Laundry 30 times repeatedly)
 Laundry Testing agency : Japan Textile Products Quality and Technology Center



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