

Light fastness improver SENKASHINEGUARD W-51

SENKASHINEGUARD W-51 is a kind of benzotriazole type, ultraviolet absorbing Type light fastness improver. It can improve the light fastness of natural fiber dyeings such as cellulose fiber, wool and silk, and it also has a very good anti-ultraviolet effect.

【Properties】

| | |
|------------|-------------------------|
| appearance | Light yellow liquid |
| Component | Benzotriazole compounds |
| ionic | Cation |
| pH | About 5.5 (1% solution) |
| solubility | Emulsified in water |

【Characteristic】

- ① SENKASHINEGUARD W-51 can improve the light fastness of natural fiber dyed products such as cellulose fiber, wool and silk.
- ② Prevent yellowing of cotton fabrics, wool, etc. caused by sunlight.
- ③ SENKASHINEGUARD W-51 can be treated by dipping or padding.
- ④ SENKASHINEGUARD W-51 is a UV absorber. Excellent UV cut processing is possible.
- ⑤ SENKASHINEGUARD W-51 is a “bluesign approved” product.



【How to use】

The amount of SENKASHINEGUARD W-51 used depends on the type and concentration of dye and the type of dyed fabric. The standard usage is 1~5% o.w.f. The temperature condition of immersion treatment is 40~50°C×15~20 minutes.

Light fastness test: ATTS sweat light fastness test

Dyeing fabric sample: ① Rective Dye 3 primary colors 0.33% each o.w.f. ② Rective Dye Rubin 1% o.w.f. ③ Rective Dye Navy 1% o.w.f.

Processing conditions: Bath ratio 1:20、 Processing temperature, processing time 50°C×20分

Light resistance improver: 1) W-51 5% o.w.f. 2) W-51 3% o.w.f. Comparison) Untreated

Light fastness test: ATTS sweat light fastness test (63°C×9hour)

| | ① Rective Dye 3 primary colors 0.33% each o.w.f. | | ② Rective Dye Rubin 1% o.w.f. | | ③ Rective Dye Navy 1% o.w.f. | |
|-----------|--|-----------------|-------------------------------|-----------------|------------------------------|-----------------|
| | Shielding part | Irradiated part | Shielding Part | Irradiated part | Shielding Part | Irradiated part |
| 1 | | | | | | |
| 2 | | | | | | |
| Untreated | | | | | | |

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.