



HSINSOU NY-133

Barre -leveling agent

HSINSOU NY-133 is a barre covering agent for acid dyes on nylon. It is specially designed for dyeing nylon fibers which have varying dye affinity caused by yarn processing. It ensures maximum coverage of barre effects. It is highly effective for use with acid dyes as well as neutral premetalized dyes. It is stable over a wide pH range.

General properties:

Appearance	:	Brown liquid
Composition	:	polyhydroxyalkyl amine and anionic surfactants
Ionic nature	:	Anionic/nonionic
pH(1% solution)	:	9 +/- 1
Solubility	:	Completely soluble in water

Special effects:

1. Excellent leveling action for barre coverage.
2. Suitable for all classes of acid dyes.
3. Stable over a wide pH range
4. Unusual good solubilizing action.

Application:

A . Pre-treat dye-bath first :

(1) Pre-treatment : For very severe problems of barre on nylon and for pastel shades, a pretreatment bath is recommended as follows :

- a. Set bath at 38°C
- b. Add an amount equal to 3 % on weight of fabric HSINSOU NY-133 and adjust pH to 5.0 with acetic acid
- c. Raise to the boil at 2°C per minute run for 20 minutes
- d. Allow bath to cool , rinse cold

(2) The dyeing procedure is as follows :

- a. Percentage of HSINSOU NY-133 based on weight of goods : 3 % for pastel shades, 2 % for medium shades and 1 % for dark shades
- b. Set bath at 38°C
 1. with a concentration of HSINSOU NY-133 as above add:
 2. 2 g/l of monosodium phosphate
 3. 5 g/l of ammonium sulfate
 4. acetic acid to pH 5.0-5.5
- c. Run 10 minutes at 38°C , then add the pre-dissolved dyes to the bath
- d. Raise to the boil at 1°C per minutes run at the boil for 30-60 minutes
- e. Sample , drain , rinse warm, then fixing, rinse cold and unload

B . For very fast striking dyes, such as turquoise, use the following procedure to control the strike rate and obtain a level dyeing on nylon:

1. Set bath at 38°C
2. Percentage of HSINSOU NY-133 based on weight of goods :
 - a. 3 % o.w.f. HSINSOU NY-133

- b. 20 g/l diammonium phosphate
- c. 20 g/l ammonium hydroxide(28%)
- 3. Run 10 minutes at 38°C
- 4. Add pre-dissolved dyestuff run 10 minutes at 38°C
- 5. Raise to the boil at a slow rate not exceeding 1°C per minute run at the boil for 30-60 minutes
- 6. Drain bath, rinse warm
- 7. Fixing 50~60°C , 15~20 minutes then rinse, unload

note: full evaluation is recommended prior to commercial usage.