

**BN-R98** is a water fastness improving agent for the dyed Nylon or Wool fibers. It can be used widely for products dyed with fluorescent, turquoise and acid dyestuffs : especially acid dyestuff of milling type.

### ◆ SPECIFICATION

|                     |                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * APPEARANCE        | Brownish Liquid                                                                                                                                                                       |
| * IONIC NATURE      | Anionic                                                                                                                                                                               |
| * pH (1% aq. Sol'n) | 7.5 ± 1.0                                                                                                                                                                             |
| * SP.GR(at 25°C)    | 1.00 ± 0.05                                                                                                                                                                           |
| * SOLUBILITY        | Easily soluble in cold water.                                                                                                                                                         |
| * STORAGE STABILITY | Min. 1 year under cool and dry conditions when stored in original sealed, packaging.                                                                                                  |
| * COMPATABILITY     | Compatible with anionic and nonionic materials but the combination with the usual chemicals may deteriorate its efficiency. Therefore, only Acetic acid for adjusting pH can be used. |

### ◆ FEATURES

- 1) **BN-R98** improves wet fastness very much. And it imparts excellent effect even to dyestuffs having poor wet fastness: such as groups of Blue-R, Blue-ER, Pink, etc.
- 2) **BN-R98** improves not only water fastness but also washing or perspiration fastnesses.
- 3) **BN-R98** causes very little various troubles which may be caused in Rapid as well as Jigger because it has good hard-water stability and chemical resistance.
- 4) **BN-R98** doesn't affect touch after processing.
- 5) **BN-R98** doesn't cause discoloration, and doesn't influence water-repelling capability after processing.
- 6) **BN-R98** can more improve various fastnesses when it is treated at higher temp. and for longer time.
- 7) It is environmental-friendly product as APEO-free and NPEO-free. Suitable for

### ◆ APPLICATION FIBERS

Nylon and Wool fibers.



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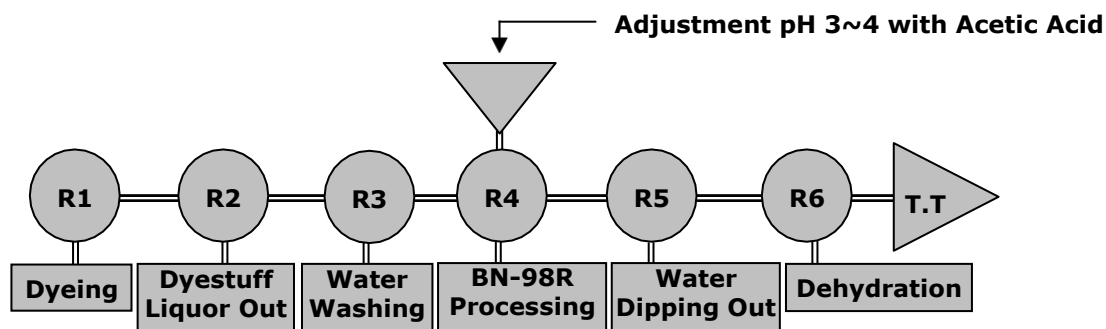
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# BN-R98

## - Fixing Agent For Acid Dyestuff

### ◆ HOW TO USE

- 1) Recommended use levels are 1-5 g/ℓ (O.W.F) in Rapid and 1~2%(O.W.F) in Jigger according to kinds, density and types of fibers and the concentration of color.
- 2) The process diagram for **BN-R98** treatment (Jigger)



### ◆ RECOMMENDED RECIPE

Amount required and treatment conditions of **BN-R98**

| Process | Agent              | Light Color                               | Dark Color                                | Processing Condition    |
|---------|--------------------|-------------------------------------------|-------------------------------------------|-------------------------|
| RAPID   | <b>BN-R98</b>      | 1-2 g/ℓ                                   | 3-5g/ℓ                                    | 30-60 min<br>at 60~70°C |
|         | <b>Acetic acid</b> | An adjustment<br>volume for<br>pH=3.0-4.0 | An adjustment<br>volume for<br>pH=3.0-4.0 |                         |
| JIGGER  | <b>BN-R98</b>      | 1%(O.W.F.)                                | 2%(O.W.F.)                                | 70°Cx<br>4-5 cycles     |
|         | <b>Acetic acid</b> | An adjustment<br>volume for<br>pH=3.0-4.0 | An adjustment<br>volume for<br>pH=3.0-4.0 |                         |

※ **BN-R98** can more improve various fastnesses by increasing cycles.

### ◆ NOTICE

Pre-dilute **BN-R98** of a small quantity in water,  
and then adjust its pH to 3~4 with Acetic acid.

### ◆ PACKAGE

120 Kgs NET IN DRUMS.



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