

## Orcofix MN™

Orcofix MN™ is an anionic after-treating and reserving agent for acid and premetallized dyes on nylon.

### Physical Properties

<b>Chemical Type</b>	Condensation of sulphonic acids & hydroxaryl sulphone
<b>Appearance</b>	viscous red-brown pourable liquid
<b>Ionic charge</b>	anionic
<b>Solubility</b>	all proportions in water
<b>Stability</b>	excellent stability above pH 4

### Advantages

- High shear stability
- Applicable to jet-dyeing

### Procedures

#### *After-fixing*

After dyeing, rinse goods thoroughly. Set new bath at pH 5.0 - 5.5 with acetic acid and run at 120°F (49°C) for 5 - 10 minutes. Add 2 - 5% **Orcofix MN™** on weight of goods(owg) depending on depth of shade and run additional 10 minutes at 120°F (49°C). Add additional acetic acid to bring pH down to 4.5 - 5.0 and raise temperature to 160-170°F (66-77°C) and hold for 30 minutes. Drop bath and dry.

Nonionic surfactants should not be used in the after-fixing bath.

#### *Reserving*

**Orcofix MN™** can be used as a reserving agent to prevent the staining of nylon fibers with direct dyes when dyeing nylon/cellulosic blends. **Orcofix MN™** (1.5 - 3.0% owg) is added after the acid dyes are completely exhausted and prior to the addition of direct dyes. Set bath at 110°F (43°C) and adjust to pH 5.5 - 7.0 with acetic acid or trisodium phosphate. Circulate goods for 5 - 10 minutes then add acid dyes. When dye is exhausted at the boil, reduce temperature to 190-200°F (88- 93°C). Add 1.5 - 3.0% owg **Orcofix MN™** in two portions. Continue running for 5 - 10 minutes. Add direct dyes with circulation and run for 5 - 10 minutes prior to adding common salt. Run 30 minutes at 190 - 200°F (88-93°C). Drop bath and salt rinse.

Information contained in this technical data sheet is up-to-date and correct to the best of our knowledge at the date of issue and are subject to change. As Organic Dyes and Pigments LLC cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. Organic Dyes and Pigments LLC will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given. Released: 01/21 RY

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