

## Orcozine Retarder AP™

**Orcozine Retarder AP™** is a highly concentrated quaternary compound which exhibits extremely powerful retarding action on basic/cationic dyes in the dyeing of various types of acrylics. This includes stock, yarn, and piece goods.

### Physical Properties

<b>Appearance</b>	Clear yellow liquid
<b>Chemical Classification</b>	Quaternary ammonium derivative
<b>Ionic Charge</b>	Cationic
<b>Solubility</b>	Miscible with water in all proportions

### Applications

- Normally 1.0% to 2.0% of **Orcozine Retarder AP™** on weight of fabric(owf) is more than adequate in the dyeing of very light shades, 0.25% to 0.50% owf for medium shades, and 0% to 0.10% owf for heavy shades.
- Excessive amounts of **Orcozine Retarder AP™** (3% to 6% owf) is useful in stripping down off-shade lots or for leveling unevenly dyed goods.

### Procedures

1. Set bath at 110-120°F(43-49°C) with:
  - Y% owf **Orcozine™** dyes
  - X% owf **Orcozine Retarder AP™**
  - 0.5 % owf **Orconol CHSA Conc™**
  - 0.25% owf Sodium Acetate
  - 1.00% owf Acetic Acid 56%
2. Enter goods. Bring slowly to boil. Boil for 1 to 1 1/2 hours.
3. Rinse well.