

## Orco Leveler LW-470™

Orco Leveler LW-470™ is a high-efficiency leveler / retarder for wool and various blends.

### Physical Properties

<b>Appearance</b>	Amber yellow pourable liquid
<b>Odor</b>	Pleasant
<b>Chemical Type</b>	Ethoxylated cationic fatty amine
<b>Ionic Class</b>	Mildly cationic
<b>Solubility</b>	All proportions in warm water
<b>Specific Gravity</b>	1.06 @ 70°F
<b>pH (10% Solution)</b>	8.0 - 9.5

### Advantages

- Compatible with most other nonionic and cationic agents and auxiliaries.
- Excellent for reworking shaded goods.

### Procedures

#### *Wool and wool/nylon-*

- 0.5 - 1.5% **Orco Leveler LW-470™** on weight of goods for **Orcoacid™** dyes. These percents may vary due to dyeing conditions and whether goods are acid or alkaline fulled.
- 1.0 - 1.5% owg **Orco Leveler LW-470™** for **Orcolan Neutral™ / Orcolan Fast™** dyes
- 1.0 - 2.0% owg **Orco Leveler LW-470™** for **Orco Milling™** dyes

#### *Stripping/Repairing work*

1. In the dyebath add:
  - X% owg Soda Ash / or Ammonia to pH of 8.0-8.5
  - 2.0% owg **Orco Leveler LW-470™**
2. Raise bath temperature to 195-210°F(91-99°C) and hold for 45 minutes.
3. Re-exhaust dye with the addition of either Acetic, Formic, or Sulfuric Acid.