

Orco Synclear P-D™

Orco Synclear P-D™ is a highly effective clearing agent for polyester which produces brighter and cleaner shades and eliminates the possibility of contamination from unfixed dyestuff. It is also used in conjunction with optical whitener to produce a good shade of white on wool without going through the long peroxide bleach procedure.

Physical Properties

Appearance	White free-flowing dustless powder
Chemical Classification	A blend of sodium hydrosulfite with special chelating, stabilizing, and scouring agents.
Solubility	Soluble in water up to 30-40%

Advantages

- Produces more stable solutions
- The potential for ignition is considerably reduced
- Minimizes or eliminates the possibility of iron specking because of the presence of chelating agents
- Can be used as a replacement for regular sodium hydrosulfite as a stripping agent
- More effective than sodium hydrosulfite because of its stable solution.

Procedures

For the Clearing of Dyed Polyester

Use of 2 - 4% of **Orco Synclear P-D™** on weight of goods(owg)at a temperature of 140° F(60°C) for 15-20 minutes. The depth of shade as well as the presence of possible contaminates in the water will determine the optimum amount to use. If a severe scour is required, the temperature should be raised to 180° F(82°C) for 20 minutes and rinsed well.

For Producing Whiter Wool Goods

1. Set bath a 115° F(46°C) with:
 - a. 2.00-3.00% owg **Orco Synclear P-D™**
 - b. 0.25-0.50% owg **Orco Synthrowite LNAB™**
 - c. 2.00-3.00% owf acetic acid 56%
2. Circulate goods 15 minutes and bring the temperature slowly to 130° F(55°C).
3. Run for 20-30 minutes depending on the degree of whiteness required.
4. The wool goods are then rinsed well and acidified with 1.0-2.0% owg Acetic Acid 56% to bring the pH of the material to a slightly acidic condition(pH=6.5).