

Orco Buffer 14 Powder™

Orco Buffer 14 Powder™ is a specially compounded buffer for use in nylon and wool dyeing to help control strike rates of most acid dyes. **Orco Buffer 14 Powder™** may be used in conjunction with various acid donor salts or acid exhaust methods.

Physical Properties

Appearance	White, free-flowing powder
Odor	None
Solubility	30 gm/L minimum

Buffer Values

	Initial pH	0.1gm/100 cc Acetic Acid	0.2gm/100 cc Acetic Acid	0.3gm/100 cc Acetic Acid
Distilled Water	6.9	3.5	3.1	2.98
1% Buffer 14	7.4	6.6	5.6	5.0

Procedures

- Nylon** Use 0.5-1.0% **Orco Buffer 14 Powder™** on weight of goods(owg) to significantly slow strike rates when using dyes such as **Orco Milling™** acid dyes. **Orco Buffer 14 Powder™** helps retard the first exhaust addition of acetic or formic acid promoting uniform and gradual exhausting of the dye.
- Wool** 0.5-1.0% owg **Orco Buffer 14 Powder™** will slow down strike rates of various milling and neutral premetallized dyes. **Orco Buffer 14 Powder™** also performs a very important function of buffering excessive acid left over from carbonizing without the detrimental high pH shocks associated with soda ash or caustic soda.