

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.

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