

AVCO-CID PHS NEW

ACIDIC BUFFER FOR POLYESTER DYEING AND FINISHING

AVCO-CID PHS NEW is an acidic buffer used for adjusting acidic pH in polyester dyeing and finishing processes, neutralizing alkaline bleaching and finishing baths as well as for adjusting a mild acidic pH to textile fabrics.

SPECIFICATIONS:

Appearance	Clear, colorless liquid
Chemical nature	Aqueous solution containing organic and buffer salt
Density (gr/cc)	1.15 – 1.20
Solubility	Soluble in water at any ratio
pH (2 g/l)	4.5 - 5.5
Compatibility	Compatible with anionic, cationic and nonionic products.
Storage stability	When stored in closed original packages, shelf life is at least 12 months.

PROPERTIES & USES:

1. High buffering capacity at pH range of 4.5 – 5.5
2. Non – volatile acidic preparation. Does not cause any corrosion to the dyeing machine.
3. Liquid product, can be dosed with automatic dosing machines.
4. Non-foaming at all.
5. Non-flammable and non-toxic, with very low irritating effect due to the mild acidity.
6. Non-corrosive to fibres sensitive to mineral acids .
7. Does not affect to lightfastness of pes dyeing and cause yellow of fibers.
8. Used in dyeing processes, when dyeing polyester, polyamide and wool, to maintain acidic pH at the range of 4.0 – 6.0.
9. Used to maintain acidic pH of bleached and finished fabrics such as fabrics which has to stand in the ECO – TEX 100 standard, and when yellowing problems may occur. The pH of the treated fabrics does not change even when stored for a long time.

APPLICATION

Before use, pre-dilute AVCO-CID PHS NEW with cold water if need. The application quantities depends on the water quality and the desired pH.

1. Neutralizing of alkaline baths
In discontinuous process, (winch, jet, jigger) apply 0.25 – 1 gr/l.
2. Softening of full white cellulosis knits
Apply 0.25 – 1 gr/l together with the softener.
3. Dyeing Polyester with disperse dyes
Apply 0.5 – 1.5 gr/l in the dyeing bath.
4. Dyeing Acid dyes
Use 1 – 2 gr/l in the dyeing liquor.
5. Dosing in the last compartment of a continuous washing range.
AVCO-CID PHS NEW can be added undiluted to the compartment of the washing range via last a dosing pump, controlled by a pH meter, to keep the liquor at pH 5 – 5.5.
6. Acidic finish on the padding machine.
Pad the fabric with 1 – 2 gr/l of AVCO-CID PHS NEW followed by drying in the stenter.
7. Application of acid – cellulase enzyme preparations.
To the finishing bath add 0.5-1.5 gr/l AVCO-CID PHS NEW before adding the enzyme, to maintain acidic pH range of 5-5.5 during the process.

SAFETY:

The product is acidic and should be handled with care. Use safety goggles and gloves when using the product.