

AVCO-GEN PV

WASHING OFF, LEVELLING AND STRIPPING

AVCO-GEN PV is a versatile chemical auxiliary used in printing and dye stripping processes.

AVCO-GEN PV has excellent protective colloid properties, and prevent re-deposition of dyestuff onto treated fabrics and garments. Due to its affinity to anionic sites on the dyestuff molecule, AVCO-GEN PV improves levelling properties of anionic dyestuff.

SPECIFICATIONS:

Appearance	Clear, yellowish liquid
Chemical nature	Hydrophilic polymer solution
Ionicity	Nonionic
pH (10% sol).	7 ± 1
Solubility	Miscible with water at any ratio
Compatibility	Stable to alkalis and electrolytes. sSensitive to oxidizing agents.
Storage	Stable for at least 12 months. Freezes at 0°C. Fully usable after thawing and stirring.

PROPERTIES & USES:

1. Excellent anti-redeposition agent for organic soil and residual dyestuffs.
2. Recommended as an additive for dye stripping processes.
3. Used for washing- off prints to avoid staining of white or light shade area.
4. Used to avoid staining while scouring knits and woven fabrics, produced with dark shade yarns in combination with white or light shade yarns.
5. Used as levelling agent for direct and vat dyes.

APPLICATION:

I. STRIPPING DYESTUFFS

1. Stripping vats and sulphur dyestuffs:

For stripping dark shades from tightly wound packages use the following recipes:

AVCO-CLEAN SUPER	-	1 – 2 g/l
AVCO-DISPERSNT NS	-	1 – 2 g/l
Caustic soda (50%)	-	5 – 10 g/l
Hydrosulfite	-	5 – 6 g/l
AVCO-GEN PV	-	3 – 5 g/l

Treat at 70 – 85°C for 45 – 60 min, at liquor ratio 1:20, followed by hot and cold rinse. For medium to pale shade AVCO-CLEAN SUPER can be omitted, and liquor ratio can be lowered.

2. Stripping direct dyes

Use the following recipe :

Hydrosulfite	-	2 g/l
Caustic soda (50%)	-	10 cc/l
AVCO-GEN PV	-	2 g/l

II. WASHING OFF PRINTS

Addition of AVCO-GEN PV to print wash baths prevents staining of white or light shade grounds.

Use 0.5 – 1.5 g/l AVCO-GEN PV together with the recommended print wash detergents

III. WASHING OFF VAT DYES ,DISPERSE DYES AND CATIONIC DYES

AVCO-GEN PV is also the excellent washing off agent for Vat dyes, disperse dyes and cationic dyes.

Recommended dosage : 1 – 2 g/l AVCO-GEN PV in washing bath.

IV. LEVELLING

AVCO-GEN PV can overcome levelling problems of dyestuffs containing anionic groups such as reactive, directs, vats etc.

Following are some dyeing recipes :

1. Directs and reactives

Use	0.5 – 1% AVCO-GEN PV for medium shades
Use	1 – 1.5% AVCO-GEN PV for light shades

2. Vats

In difficult cases use the following recipe:

AVCO-LEV VAT	1 – 2 g/l
AVCO-GEN PV	0.1 – 0.3 g/l

Do not over dose AVCO-GEN PV due to its strong retarding effect

V. REDYEING OF GARMENTS

Garments dyed with directs, can be stripped with hydro/caustic bath. Addition of 2 g/l AVCO-GEN PV improves very much the results

With garments sensitive to reducing agents, or when stripping the dyestuffs to pale shade is adequate, use 2 – 3g/l AVCO-GEN PV in the treatment bath without Hydrosulfite.

AVCO-GEN PV has no effect in hypochlorite and peroxide stripping baths