

Technical - Information

AVCO-PAL VIC

LOW FOAMING SCOURING AGENT

AVCO-PAL VIC is an highly concentrated surfactant composed of a blend of emulsifiers and detergents. The product has low foaming properties even in boiling bleaching bath.

AVCO-PAL VIC can be used as a scouring agent, bleaching and dyeing auxiliary for preparation and dyeing of fibres, hanks, packages and fabrics made from cellulosic and synthetics fibres.

AVCO-PAL VIC is a multifunctional detergent with wetting, emulsifying and dispersing properties. It is very effective for removing silicone and hydrocarbon lubricants from textiles.

AVCO-PAL VIC is recommended for pre-treatment processes in high speed jets and in high speed continuous ranges.

AVCO-PAL VIC is composed of biodegradable ingredients with no potential for bio-accumulation, and with no evolution of toxic compounds during biodegradation.

SPECIFICATION:

Appearance	Almost colorless clear liquid.
Chemical nature	Blend of surfactants.
Ionic activity	Nonionic.
pH (10% aqueous solution)	6 - 8
Solubility	Emulsifiable in water in all proportions.
Compatibility	Compatible with nonionic, cationic and anionic dyestuffs and auxiliaries.
Storage	Becomes viscous at freezing temperatures, fully usable after thawing. Shelf life is at least 12 months.

PROPERTIES & USES:

1. Excellent detergency, wetting, emulsifying and dispersing properties.
2. Good soil suspending properties, which can prevent any re-deposition of soil on dyed fabric through all dyeing cycle.
3. Very good emulsifier towards oils and lubricants which contained in raw fabrics and yarns. Highly recommended for removing texturizing oils , knitting oils, "sulzer" loom oils and silicone lubricants from all kind of fibres.
4. Stable to high temperature, even at H.T. conditions.
5. Very low foaming, recommended for jet machines.
6. Good stability towards electrolytes as used in cotton bleaching and dyeing.

Technical - Information

7. AVCO-PAL VIC is very versatile. Due to its excellent detergency it can be used in many wet processes such as scouring, bleaching, dyeing, soaping etc.

APPLICATION:

Due to its wide versatility, AVCO-PAL VIC has a number of important uses for scouring and dyeing as follows:

I. Cotton and blends:

AVCO-PAL VIC is recommended for all types of preparation and bleaching processes of textiles composed of cotton and blends with synthetics.

Following are dosage recommendation for various processes:

♦ Alkaline pre-treatment	0.3 – 1.0	g/l
♦ Bleaching	0.3 – 1.0	g/l
♦ Scouring knits containing spandex/lycra	0.5 – 1.0	g/l

II. Peroxide bleaching of cotton and cotton blends

1. Fill machine with water and add chemicals:

AVCO-PAL VIC	0.3 – 1.0	g/l
AVCO-SLIP RF (antirecreasing agent)	1.0 – 2.0	g/l

2. Load fabric and treat for 5 – 10 minutes.

3. To the same liquor add the bleaching auxiliaries, and start the bleaching process.

Use the following recipe for full bleach:

AVCO-STABILIZER HSF	0.5 – 1.5	g/l
H ₂ O ₂ (50%)	6.0 – 8.0	g/l
AVCO-LUX BKR	0.5 – 1.0	%

4. Treat for 45 – 60 minutes at 90 – 95°C, followed by hot and cold rinse.

III. Polyamide

AVCO-PAL VIC can be used effectively for the scour/dyeing of bulked polyamide stockings and other polyamide articles.

Dosage recommendation:

♦ Scour/dyeing bulked polyamide hosiery	0.5 – 1.5	g/l
♦ Scour/dyeing micro fibre knits in jet machines	0.5 – 1.5	g/l