

Technical - Information

AVCO-POLYQUEST 1096 SG

COMPLEXING / DISPERSING AGENT FOR PREPARATION

AVCO-POLYQUEST 1096 SG is a unique textile auxiliary, which combines protective colloid properties together with dispersing and complexing properties.

AVCO-POLYQUEST 1096 SG is used as a versatile additive in textile procedures such as preparation, bleaching and washing off.

AVCO-POLYQUEST 1096 SG is used for treatment of cellulose, polyester, polyamide and their blends in fibres, yarns and fabrics.

SPECIFICATIONS:

Appearance	Clear, viscous, slightly yellowish liquid.
Chemical nature	Blend of phosphonates and polycarboxylated polymers.
Ionicity	Anionic.
Density (gr/cc)	App. 1.1
pH (10%sol.)	6.5 - 7.5
Solubility	Soluble in water at any ratio.
Compatibility	1. Good in pH range of 3 – 13. 2. Good with nonionic and anionic products.
Storage	Stable for at least 12 months.

PROPERTIES & USES:

1. AVCO-POLYQUEST 1096 SG is an excellent complexing/dispersing agent, that operates as a crystal distorter and threshold inhibitor, which prevents water hardness from precipitation onto textile fibres and machine walls.
2. AVCO-POLYQUEST 1096 SG is an efficient protective colloid, which prevents re-deposition of impurities onto textile fibers.
3. AVCO-POLYQUEST 1096 SG loosens from the fibers and disperses in water phase metal salts, waxes, pectines and other precipitated materials found on fibres structure.
4. AVCO-POLYQUEST 1096 SG increases the efficiency of the detergents used in the pretreatment procedure, and improves primary detergency by synergistic action.
5. AVCO-POLYQUEST 1096 SG is stable at a wide pH range of 3 - 13.
6. AVCO-POLYQUEST 1096 SG has a good complexing of iron and other metal ions in the water.
7. AVCO-POLYQUEST 1096 SG disperses and sequesters water hardness and heavy metal ions contaminating raw fibers, salts and other chemicals used in preparation procedures.

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APPLICATION:

1. AVCO-POLYQUEST 1096 SG should be added to the treatment bath before other additives.
2. AVCO-POLYQUEST 1096 SG can be metered to continuous ranges as is or pre-diluted at any ratio.

GUIDING RECIPES:

1. Preparation procedures

AVCO-POLYQUEST 1096 SG is very beneficial in scouring bath after de-sizing treatment. The removal of sizes from fabrics is much better and fabric absorbency is improved.

Dosage is 1-3 gr/l.

In pre-washing and scouring procedure before bleaching or dyeing, the addition of AVCO-POLYQUEST 1096 SG improves very much dirt removal and prevents re-deposition.

Dosage is 1-3 gr/l.

2. Soaping off procedures

AVCO-POLYQUEST 1096 SG is a non surface active washing preparation, that is used for after washing of reactives. The number of washing cycles can be reduced. The product is non foaming and there is no need of anti-foams.

Dosage is 1-3 gr/l.

AVCO-POLYQUEST 1096 SG is an excellent after washing agent for cotton fabrics printed with reactive dyestuff. AVCO-POLYQUEST 1096 SG prevent the white grounds from staining by the presence of the hydrolysed dyestuffs in the washing liquor.

Dosage is 1-3 gr/l.