

# POLYSEQUEST AD

## Sequestering, protective colloid, dispersing agent

- Properties** : - is a strong complexing agent that prevents the deposits which form because of high water hardness and high temperatures.
- has the capability of cleaning the calcium soap residues in the systems.
  - makes complex with heavy metals and alkaline-earth metals depending on the pH and temperature. The best effect is between pH 7-12.
  - has corrosion inhibitor effect in water systems.
  - cleans the oxide and silicate residues from the systems.
  - absorbs the hydrolyzed dye in the washing bath and due to its excellent dispersing ability, prevents the dye particles and the dirt to precipitate on the fabric again.
  - gives a better whiteness and hydrophilicity.
  - is also a good complexing agent for the silicate which used as buffering agent in peroxide bleaching process, prevents the precipitation of silicate over the fabric and metal surfaces.
  - has resistance to the acidic, basic dyeing conditions and the environments with high electrolytes.
  - doesn't create any problems with the dyestuffs with metal groups.

### Field of application

**Substrate** : cellulosic fibers and its blends

**Aggregate** : Jig, Winch beck, beam dyeing, continuous open-width washer, printing machines

**Operation** : pre-washing, desizing, boiling-off, bleaching, dyeing, after treatment, washing off prints

## **Characteristics**

**Type of product** : Synergic combination of special polymer and additives, anionic

**Appearance** : clear, pale yellowish liquid

**Ionic Nature** : anionic

## **Application**

**Guide recipes** : 0.2 – 1.5 ml/l **POLYSEQUEST AD** due to the presence of heavy metal amounts and hardness levels in the media; it doesn't recommend using for turquoise blue dyestuffs.

- **Softening the water** : For each 1° dH (German Hardness) 0.2 g/l **POLYSEQUEST AD**

- **Scouring process** : 0.5 – 1.5 g/l **POLYSEQUEST AD**

- **Hydrogen peroxide bleaching process** : 0.5 – 1.5 g/l **POLYSEQUEST AD**

- **Dyeing Process** : 0.7 - 1.5g/l **POLYSEQUEST AD**

**Storage stability** : 12 months in its original package and at room temperature and should be kept against extreme cold. Closed warehouse is recommended.

The indications given herein correspond to practical experiences. Owing to the differences in local conditions they cannot claim to be complete, so that any liabilities - also with a view to claims of third parties - are excluded.