

# POLYSPERSE PRC

**Dispersing agent, protective colloid and oligomer removing agent**

- Properties** : - removes dirt, oils and waxes from the fiber surface and these in suspension; thus, preventing re-deposition.
- is a special auxiliary who enables one bath scouring and dyeing techniques to be employed on synthetic yarns and fabrics under acid and neutral conditions.
  - Causes scum formation be eliminated and washing-off considerably improved as a result of its excellent dispersing properties.
  - has no effect on dyestuffs metal ions and substantially improves penetration and distribution of the dye liquor, leading to improved leveling.
  - helps to prevent oligomer deposition on high temperature dyeing equipment used for polyester.
  - is low foaming and stable throughout the entire pH range normally associated with textile wet processing.
  - is a highly efficient dispersant for insoluble and sparingly soluble calcium salts, and other impurities which prevents the build-up of these materials on machine surfaces or on the goods being processed.
  - is suitable for use on all conventional systems, e.g. kier, cold pad-batch, continuous roller bed, etc.
  - is resistant to acids, alkalis and electrolytes at the concentrations in which they are usually employed in dyeing processes.

## **Field of application**

**Substrate** : polyester and polyester blends

**Aggregate** : HT, jet, haspels

**Operation** : dyeing, washing

## **Characteristics**

**Type of product** : fatty acid derivatives and alkyl aryl ethoxylated combination

**Ionic nature** : anionic

**Appearance** : clear, transparent liquid

**pH (1% aq. Sol.)** : about 7

## **Application**

**Dissolving method** : Easily dissolved in warm water.

Because of the range of different properties of **Polysperse PRC**, it can be used in a variety of applications at all stages of dyeing and washing processes for different kind of fibers.

**Guide recipes** : 1.0 -3.0 g/l **Polysperse PRC**

**Storage stability** : 12 months in original drums.

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.