



Edition 2004 – 05

Privilege Products for Textiles

MICROCONC

Permanent Finish
silicone microemulsion

Introduction:

MICROCONC is a polyethylene - silicone base emulsion of medium viscosity. MICROCONC is a polydiorganosiloxane structure. This emulsion is highly absorptive on fibres & painted surfaces etc. Fibres treated with MICROCONC are imparted with improved softness and pleasant feeling of touch.

Technical Specification :

Appearance	Hazyliquid free from suspended matter and Sediments
Colour	Colourless of Pale
Active Content	65+-1%
pH	6.5 to 7.0
Type of Emulsion	Oil in water
Ionic Nature	Non Ionic
Shelf Life	Six months if stored if stored in closed package

Advantages :

MICROCONC shows hand and drape modification properties which are significantly better than other conventional softeners. It imparts following properties to fabrics :

Increases tensile resiliency.

Lowers bending rigidity.

Increases the recovery from compressional deformations.

Exhibits durability to repeated laundering.

Reduces the coefficient of friction.

It improves the winding and drawing properties of yarn.

Application:

MICROCONC can be used for finishing of textile specially polyesters and blends of polyester. It may be used in the finishing of high value cotton fabrics. MICROCONC can be applied with conventional pad, frame and curing equipment. For Best results, the pad bath should give a pick up of 0.1 to 0.5% as against nearly 2% in case of conventional softeners. The emulsion should be diluted as required with soft water only. Setting of fabrics requires 4 to 5 minutes curing at 140°C. It is important that fabric should be free from sizing agents and should be properly washed before starting the process.

A treatment of 1-1.5% of MICROCONC (Diluted 1:10 with soft water) improves lustre, softness, winding and drawing properties of yarn.

Limitations :

MICROCONC is sensitive to contaminations by strong acids, base and oxidising agents which may cause polymer reversion or gelation.

Prolonged exposure to open air will increase viscosity of MICROCONC.

Packing 50 Kgs. HDPE Carboys.

"The information offered in this leaflet is true and accurate to the best of our knowledge but ***Without Guarantee***"

