

# **SILICON SOFTNER MIC-S Conc.**

**Micro-silicone softener for all kind of fibres**

## **Properties :**

- causes a very soft handle on most types of fabrics.
- can be used to the finishing of white goods thanks to its non-yellowing type.
- has no change the color of finished goods.
- can be co-applied with other cationic and nonionic products.
- has no problem of gumming-up both in padding and bath treatments.
- imparts good anti-static property with an elastic softness.
- improves technological features of the goods (crease recovery, abrasion resistance, edge tearing resistance) on high grade finishing.
- improves the sew-ability especially of knitted goods and shows a remarkable wash and dry cleaning fastness and does not disappear the features after several washes.

## **Characteristics**

<b>Type of product</b>	: amino-functional polysiloxane micro-emulsion
<b>Appearance</b>	: colourless liquid
<b>Ionic nature</b>	: nonionic
<b>pH of 1% sol.</b>	: about 6
<b>Solubility</b>	: easily soluble in cold water

## **Application**

**SILICON SOFTNER MIC-S Conc.** imparts a smooth soft handle to a variety of fabrics, including 100% cotton, cotton/polyester blends and 100% synthetics. It may be applied on its own by padding process or as a part of a resin finishing treatment.

It may also be applied by exhaust technique to yarns and knitted goods.

**Dissolving method** : pre-dilute with water. It shows a good stability. The pH-value of the liquor should be slightly acidic.

**Guide recipes** :

**Exhaustion method** : 1-3 % o.w.f **SILICON SOFTNER MIC-S Conc.** related to L:R=1-10,  
pH: 5.0-6.0, Temperature: 35-40°C, Time: 20-30 min.

**Padding method** : 10-30 g/l **SILICON SOFTNER MIC-S Conc.** related to liquor pick up  
100% Dry in wet, pH: 5.5-6.0, drying at 110°C and curing  
for 3-5 min. at 140-120°C.

**Storage stability** : 12 months in closed original containers.

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.