

# TEGOPREN® 6923

## Product description

TEGOPREN® 6923 is a self-dispersible quaternary silicone for hydrophilic textile finishing.

## Physical properties

Appearance (25 °C)	yellow liquid
Viscosity (Brookfield, 25 °C)	3 500 – 7 500 mPas
Active content (%)	min. 95 %
Propylene glycol content	max. 5 %
Weight % quat. Nitrogen	0.4 – 0.5

## Application fields

TEGOPREN® 6923 is recommended as substantive, high performance softening agent with rewetting properties ideal for textile applications.

TEGOPREN® 6923 provides excellent softness for non-wovens and fabrics made of native or synthetic fibers. It is also recommended as a component for diverse preparations.

## Benefits

TEGOPREN® 6923 gives outstanding softening performance, hydrophilicity and excellent non-yellowing behavior.

TEGOPREN® 6923 is self-dispersible in cold water when used up to 10% actives. For higher concentrations only minimal amounts of emulsifier are required to stabilise the micro-emulsion.

TEGOPREN® 6923 micro emulsions show good stability at high shear rates.

## Dosage/Handling

TEGOPREN® 6923 can be applied by the exhaust method or by padding.

For padding applications we recommend a dosage of approx. 2 – 8 g/l TEGOPREN® 6923.

For the exhaust method we recommend approx. 0.1 – 0.8 % TEGOPREN® 6923 (based on textile weight) at a temperature of 40°C for a duration of approx. 20 min.

## Registration status

The components of TEGOPREN® 6923 are listed in the following inventories:

EINECS, TSCA, ENCS, ECL, PICCS and China

## Storage stability

12 months in original sealed containers at room temperature.

## Packaging

50 kg plastic drums  
Pallet size: 6 x 50 kg = 300 kg  
200 kg plastic drums  
Pallet size: 4 x 200 kg = 800 kg

## Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

## Guide Formulations

### 10 % Formulation

Product	%
TEGOPREN® 6923	10.0
Water	90.0

### Processing

Add water into vessel, start to stir.

Add TEGOPREN® 6923 into the water and keep stirring for about 30 minutes to clear emulsion.

Adjust pH value to 5.5 – 6.5.

## Guide Formulations

### 20 % Formulation

Product	%
TEGOPREN® 6923	21.0
Lauryl fatty alcohol · 6 EO	5.0
Butyl di glycol	2.0
Acetic Acid, 99%	0.5
Water	61.5

### Processing

Add water, acetic acid, FAEO and BDG into vessel while stirring until homogenous. Stir for about 10 minutes.

Then add TEGOPREN® 6923 into the above mixture. Start to stir and keep stirring for about 50 minutes until a clear emulsion is observed.

Adjust pH value to 5.5 – 6.5.

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