

# *Our New Ester based Quaternary Compound For Textile Softeners*

Performance of a cationic softener is primarily based on active cationic compound used in the formulation of softener. The performance can be optimised by achieving the proper dispersion of the active in the system.

Praepagen TQ is a new ester based quaternary ammonium compound, which is used for producing textile softeners of various strengths. Its good dispersion property enables production of softeners, which are easy to formulate, exhibit good softness & handle with good rewettability and reduced static charge, and most importantly are Biodegradable.

Praepagen TQ is imported from Germany, is marketed in India by Colour-Chem Ltd.

#### CONTACT

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# Praepagen TQ

## Product Features

- Unique chemistry from Clariant's product portfolio
- Exhibits Excellent Softening performance
- Very pleasant handle
- Easy to formulate hence performance can be optimised
- Treated fabric shows excellent rewettability
- Treated material has reduced static charge & drying time.
- Enables formulations of softeners of various strengths

## Guideline Formulation

<b>Fabric Softener (about 20% Active)</b>		<b>Fabric Softener (about 5% Active)</b>	
Praepagen TQ	21-23%	Praepagen TQ	About 5.50 %
Dyes	0.5-0.6%	Dyes	0.1-0.15%
Defoamer	0.20-0.25%	Perfume	0.15-0.20%
Perfume	0.5-0.8%	Water	Add to 100%
Calcium Chloride 25% Soln.	0.75-1.5%		
Water	Add to 100%		
<b>Procedure:</b> Add dyes & defoamer to preheated water at 45°C and then slowly disperse preheated Praepagen TQ. Use CaCl <sub>2</sub> soln. to control viscosity. After cooling add Perfume if necessary. Avoid adding too much of CaCl <sub>2</sub>		<b>Procedure:</b> Disperse preheated (45°C) Praepagen TQ to water at 30°C slowly. Cool to 30°C and add perfume if required.	

## Specifications:

<b>Parameter</b>	<b>Specification</b>
Chemistry	Triethanolamine diester quat methosulphate based on fatty acids
Appearance	White to yellowish waxy paste
pH (5% in IPA/water 50/50)	Approx. 3
Active content	About 90%
Isopropanol	About 10%
Water	max. 0.5%

## Other Products:

Praepagen 3445	Di hydrogenated tallow dimethyl ammonium chloride- 80%	Textile Softener Raw Material
Wetting Agent SAS	Mixture of surface active agents with defoamers	Versatile wetting agent for pretreatment formulation and multipurpose wetting agent/soap