

## Product Information

# TEGOTEX® CS 0182

## PRODUCT DESCRIPTION

TEGOTEX® CS 0182 is a cationic softener of amidoamine ethoxyquat, based on vegetable and synthetic raw materials.

### Typical Properties

Property	Unit	Value
<b>Activity</b>	%	83
<b>Appearance</b>		yellowish, soft paste
<b>Boiling Point, min.</b>	°C	80
<b>Color</b> Gardner		< 4
<b>Density</b> 50 °C (DIN 51757)	g/cm <sup>3</sup>	0.95-0.97
<b>Flash Point, min.</b> DIN 53213	°C	34
<b>Melting Point</b>	°C	18
<b>pH Value</b> 4% in IPA/Water		5.0-6.5
<b>Solubility</b>		dispersible in water
<b>Viscosity</b> 50 !C (ISO 6288)	mPa·s	145-155

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

- Could be applied by exhausting and padding process
- Excellent softening agent for natural and blend fabrics
- Raw material for yarn lubricant or raising agent formulations

TEGOTEX® CS 0182 is strongly recommended in denim and garment washing softener.

### Product Composition

Product Composition	Unit	Value
<b>Active Content</b>	wt%	82-84

The data represents typical values (no product specification)

## BENEFITS & ADVANTAGES

- Imparting yarn or fabric with fluffy and bulky hand feeling
- Strong substantive, easy to be adsorbed in fabrics
- Antistatic
- Medium rewetting
- Low yellowing
- Cold-water dispersible
- Compatible with nonionic, cationic and amphiprotic surfactant, incompatible with anionic surfactant
- Good stability versus acids, alkalis and electrolytes, good hard water stability

## DOSAGE

For exhausting process we recommend a dosage of approx. 0.5 - 1 % (based on textile weight).

In padding process we recommend a dosage of approx. 2 - 8 g/L.

## HANDLING & PROCESSING

1. Preparation of low concentrate dilution 1 9 dilution  
90 parts DI-water  
10 parts TEGOTEX® CS 0182

Add DI-water into vessel and start stirring, and then slowly add TEGOTEX® CS 0182, after finish adding, keep stirring for 20-30 min to get an homogeneous dilution.

Note: Although TEGOTEX® CS 0182 has good cold-water dispersible property, we recommend to heat DI-water to

30-40°C for getting homogeneous dilution with good particle size distribution.

## 2. Preparation of high concentrate dilution (1 : 3 dilution)

30 parts	DI-water
10 parts	TEGOTEX® CS 0182
1 - 1.5 parts	CaCl <sub>2</sub> (25%)

- Heat DI-water to 40 °C and start stirring, then slowly add 1/2 TEGOTEX® CS 0182, after that, add the rest TEGOTEX® CS 0182 and CaCl<sub>2</sub> solution to keep continuously stirring. After finish adding, keep stirring and cool down to RT
- Adjust pH value to 5-6, and keep stirring for 20-30 min. to the end

## PACKAGING

193 kg/drum

## STORAGE

The product can be stored in the original sealed container at room temperature for 12 months.

Prolonged storage at elevated temperatures (approx. 60 °C) will result in product discoloration.

To ensure homogeneity after prolonged storage or transport, it is recommended that the material is stirred prior to use.

## SHELF LIFE

12 months in original sealed containers at room temperature.

Prolonged storage at elevated temperatures (approx. 60 °C) will result in product discoloration. The storage tanks

should be equipped with heating facilities and circulation pumps or stirring devices to avoid separation of the storage raw material.

## HAZARDOUS SUBSTANCE

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.

## REGISTRATION LISTING SUMMARY

The relevant components of TEGOTEX® CS 0182 are listed/registered or exempt in the following chemical inventories:

### Registration Listings

Registry	Status
Australia (AICIS)	Yes
China (IECSC)	Yes
European Union (EINECS/ELINCS)	Yes
Philippines (PICCS)	Yes

### Disclaimer

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