

Product Specification

TEGOTEX® CS 0510

Product description

Di-(palm-carboxyethyl)-N-hydroxyethyl-N-methylammonium methyl sulfate

Physical properties

Appearance (20 °C)	Yellow paste
pH value (5 % in IPA/water)	2.0 – 3.5
Active matter	1.0 – 1.2 meq/g
Solids content	97–100 %
Colour (Gardner)	Max. 5

Application

TEGOTEX® CS 0510 can be applied on non-wovens, woven and knitted textile goods as well as on cellulosic fibers, threads and yarns.

Examples for application of TEGOTEX® CS 0510:

- handle finishing of textiles made of cellulosic fibers, synthetic fibers, wool and their blends
- softening for cellulosic articles, e. g. viscose, rayon, tissue
- preparation of acrylic tow for stretch breaking
- softener in the dye bath at the dyeing process of hydrophilic fibers
- softening of made-up articles of clothing, e. g. jeans
- softener in resin finishing
- softener for non-wovens

Benefits

- TEGOTEX® CS 0510 can be used at lower temperature than conventional TEA-Esterquats
- TEGOTEX® CS 0510 has a strong antistatic effect and is highly substantive
- TEGOTEX® CS 0510 combines excellent rewetting properties with a soft, smooth handle and environmentally favorable behavior of TEA-Esterquats.
- White goods treated with TEGOTEX® CS 0510, it imparts a good levelling effect on cationic dyes, whilst not adversely affecting the speed of dyeing.

Dosage/Handling

The product is suitable for application by the exhaust method and from short liquor, e.g. padding machine and backwasher. For tissue and wet-laid non-woven applications, it may be added in the wet end or applied during conversion. The dosage depends on the application and specific formulation in use, as well as on the performance required.

TEGOTEX® CS 0510 can be easily dispersed slowly into water at 25°C (77°F). Hard, soft, or deionized water can be used. Both deionized water and soft water tend to produce higher viscous dispersions.

TEGOTEX® CS 0510 as solvent free biodegradable TEA-Esterquat is used in aqueous dispersions ranging from 5 to 20%. At concentration levels above 12% some (max. 0.7%) CaCl₂ could control viscosity.

The stability and viscosity of the finished dispersion can be affected by water quality, mixing conditions, temperature, pH level and additives.

Registration status

The ingredients of TEGOTEX® CS 0510 are listed on the following chemical inventories:

EINECS, TSCA, DSL, ENCS, AICS, ECL, TCSI, NCIoC and China

Storage stability

TEGOTEX® CS 0510 as delivered can be stored in closed drums for up to 6 months.

Prolonged storage at elevated temperatures exceeding 60 °C (140 °F) 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 stored raw material.

Packaging

190 kg open top steel drums
Pallet size 4 x 190 kg = 760 kg
Bulk

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.

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