

Product Specification

REWOSOFT® TE 19

Product description

Di-(hard tallow fatty acid amidoethyl)-N-poly-ethoxy amine

Physical properties

Appearance (20 °C)	Yellow, solid material
Total amine value	67.5 – 72.0 mg KOH/g
Colour (Gardner)	< = 4

Application

By reaction with acids, REWOSOFT® TE 19 gives cationic products, which are substantive in the acidic pH range.

REWOSOFT® TE 19 is used under neutralized form as softener, antistat and levelling agent.

REWOSOFT® TE 19 salts are useful in applications as:

- softener for cellulosic fibers
- softener and antistatic agent for synthetic fibers
- softener for the preparation of acrylic flock (application in the dyeing bath)
- softener, antistatic and levelling agent for the one bath dyeing and finishing of acrylics (hanks)

Properties/Benefits

REWOSOFT® TE 19 is a raw material for the production of pseudo-cationic softeners. Under cationic form, it has excellent softening, antistatic and non-yellowing properties and is suitable for the treatment of native and synthetic fibers, especially of cotton and acrylics.

Goods treated with REWOSOFT® TE 19 salts show a soft and greasy hand.

The REWOSOFT® TE 19 salts are compatible with non-ionic, amphoteric and cationic substances and are not compatible with anionic substances and optical brighteners. They exhibit good stability to acids, electrolytes and water hardness. The products are readily dispersible in water.

Dosage/Handling

Examples of REWOSOFT® TE 19 salts:

As	Components	Parts
Lactate	REWOSOFT® TE 19 lactic acid, 90 %	100 12.0 – 13.0
Chloride	REWOSOFT® TE 19 hydrochloric acid, 33 %	100 13.5 – 14.5
Acetate	REWOSOFT® TE 19 acetic acid, glacial	100 7.5 – 8.5

Preparation of aqueous dispersions:

The REWOSOFT® TE 19 salt melt (approx. 55 to 60 °C) is poured slowly under continuous stirring into warm water (approx. 35 – 45 °C). The pH value of the dispersion is adjusted with hydrochloric, lactic or acetic acid in the range 4.0 to 5.5. Finally, the dispersion is cooled slowly under stirring.

For padding (Foulard) approx. 0.6 – 2.0 g/l REWOSOFT® TE 19 salts are used for cellulosics and approx. 1.0 – 5.0 g/l REWOSOFT® TE 19 salts are used for synthetics.

In the exhaust technique approx. 0.1 – 0.6 % REWOSOFT® TE 19 salts (based on textile weight) are used (temperature about 35 – 50 °C, duration about 20 minutes).

For the direct application it is recommended to use stock dispersions of approx. 10 % concentration.

Registration status

REWOSOFT® TE 19 is listed on the following chemical inventories:

EINECS, TSCA, NDSL, AICS, and China

Storage stability

REWOSOFT® TE 19 as delivered can be stored in closed steel drums for 12 months.

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

Packaging

180 kg net in open top steel drums 216 l

Packaging size: 4 x 180 kg = 720 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.

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