

# REWOQUAT® WE 28 SH

Technical Information

## REWOQUAT® WE 28 SH

### Esterquat for biodegradable fabric softener dispersions

- Based on vegetable, renewable raw materials
- For use in dispersions from 4 to 20% actives
- Exhibits a very pleasant and soft handle
- Good rewetting
- A noticeably reduced static charge
- Approved by ECOCERT

#### Composition

Di-(Palm Carboxyethyl) Hydroxyethyl Methyl-ammonium Methosulfate

#### CAS Number

157905-74-3

#### EINECS Number

295-344-3

#### Chemical and physical properties (not part of specification)

Appearance (20 °C)	straw-coloured paste
Active matter	1.06-1.16 meq/g
Solids content	approx. 90%

#### INCI-Name

Dihydrogenated Palmoylethyl Hydroxyethyl-monium Methosulfate

#### Properties

REWOQUAT® WE 28 SH is an esterquat based on vegetable raw materials. It is suitable for fabric softener dispersions with concentrations from 4 to 20%. Laundry treated with REWOQUAT® WE 28 SH exhibits a very pleasant and soft handle, good rewetting and noticeably reduced static charge. In addition, textiles treated with REWOQUAT® WE 28 SH show a significantly reduced drying time compared with untreated textiles.

#### Packaging

190 kg drum

#### Storage stability

We recommend the following storage conditions:

	storage temperature	process within
drum	5-30 °C	12 months after date of delivery
bulk	50 °C	1 month after date of delivery

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 stored raw material. Tanks have to be explosion-proof.

We want to draw your attention to the hazards of the solvent isopropanol comprised in REWOQUAT® WE 28 SH, a flammable and explosive liquid.

## 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 fires
- toxicity and ecological effects

is given in our material safety data sheets.

## Guideline Informations

### Fabric softener (5%)

Water	94.00%
Dyestuff, 1%	0.15%
<b>REWOQUAT® WE 28 SH</b>	<b>5.65%</b>
Perfume oil	0.20%

### Preparation

Heat the water to approx. 30 °C, slowly disperse in the REWOQUAT® WE 28 SH, itself at approx. 50–55 °C, and cool to approx. 30 °C before adding the perfume oil.

The final viscosity, depending on the mixing equipment and perfume will approx. be around 50–250 mPas (Brookfield LVT Sp 1/2, 30 rpm, 20 °C).

### Fabric softener (20%)

Water	ad 100.00%
Dyestuff, 1%	0.60%
Silicone antifoam emulsion	0.20%
<b>REWOQUAT® WE 28 SH</b>	<b>22.20%</b>
Perfume oil	0.80%
Calcium chloride solution, 25%	0.70–1.50%

### Preparation

Heat water to approx. 45 °C. Add dyestuff and antifoam if required. Slowly disperse the REWOQUAT® WE 28 SH, preheated to approx. 50 – 55 °C, adding calcium chloride solution sufficiently to maintain a good processing viscosity. Stir for about 10 minutes and cool to approx. 25 °C, adding the perfume oil between 30–35 °C. Finally adjust to the required viscosity with calcium chloride, not below 30 °C. Stir continuously throughout the preparation process. As far as possible avoid air entrainment. A substantial increase in the amount of calcium chloride could lead to separation of the dispersion.

The final viscosity should be adjusted around 100 mPas (+/- 40 mPas) (Brookfield LVT Sp 1, 30 rpm, 20 °C).

## Legal References

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