

# LIOSIL<sup>®</sup> FC 219 E

## Silicone Fluid Emulsions, functional

LIOSIL<sup>®</sup> FC 219 E is a nonionic emulsion of a silicone quat fluid, especially for fabric softeners.

### Technical data

#### General Characteristics

Property	Condition	Value	Method
Appearance	-	clear till opalescend	-
Active ingredients	-	approx. 35.0 %	-
Solid content	-	approx. 50.0 %	Microwave oven
Viscosity, dynamic	25 °C	approx. 9000 mPa·s	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

### Applications

- Protect & Care

## Application details

LIOSIL® FC 219 E is combined with conventional fabric softeners and improves the properties of the fabric softeners.

LIOSIL® FC 219 E is easy to mix with fabric softeners.

LIOSIL® FC 219 E improves the softening efficacy of fabric softeners and the fabrics get a significant softer and pleasant touch. With LIOSIL® FC 219 E the hydrophilicity is increased. Additionally LIOSIL® FC 219 E reduces the friction forces of the iron and therefore the ironing properties are improved significantly.

### Processing

Preferably LIOSIL® FC 219 E is mixed into the fabric softener at the end of the formulation process by gently stirring.

Example for a fabric softener with LIOSIL® FC 219 E:

- 20,0 parts esterquat, e.g. Stepantex VK 90 (50°C) are poured slowly into
- 75,6 parts demineralized water (50°C) while stirring until the mixture is homogenous.
- 0,4 parts CaCl<sub>2</sub> solution (25%) are added
- q.s. perfume, dye, preservative are added
- 4 parts WACKER® FC 219 are mixed while stirring

Dosage recommendation: Approx. 3 - 6 % LIOSIL® FC 219 E in the fabric softener formulation.

## Packaging and storage

### Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

## QR Code LIOSIL® FC 219 E



### For technical, quality or product safety questions, please contact:

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