

# LIOSIL<sup>®</sup> FC 204 E



## Silicone Fluid Emulsions, functional

LIOSIL<sup>®</sup> FC 204 E is a composition containing a selfdispersing aminofunctional silicone fluid, especially for fabric softeners.

## Properties

### Specific features

- Emulsions
- Technical grade

## Technical data

### General Characteristics

Property	Condition	Value	Method
Emulsifier type	-	nonionic	-
Active substance	-	approx. 15 %	-
Solids content	-	approx. 24 %	Microwave oven
Appearance	-	opalescent to yellow	-
pH	-	approx. 4.5 - 6.5	Indicator strips

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 204 E is combined with conventional fabric softeners and improves their properties.

LIOSIL® FC 204 E is easy to mix with fabric softeners.

It improves their softening efficacy, making the fabrics significantly softer and more pleasant to the touch.

Additionally, LIOSIL® FC 204 E reduces the frictional forces of the iron, thereby making the fabrics significantly easier to iron.

### Processing:

LIOSIL® FC 204 E is preferably mixed well with the softener agent at the start of fabric softener its production.

Example of fabric softener preparation with LIOSIL® FC 204 E

- To 20.0 parts esterquat, e.g. Stepantex VK 90 (50°C),
- add 4 parts LIOSIL® FC 204 E and mix well;
- slowly add 75.6 parts demineralized water (50°C) with stirring until the mixture is homogenous;
- add 0.4 parts CaCl<sub>2</sub> solution (25%);
- add q.s. perfume, dye and preservative;

Dosage recommendation: Approx. 3 - 6 % in the fabric softener formulation;

The dosage of LIOSIL® FC 204 E in the fabric softener depends on the desired effects. If preferred, the quantity of organic softener can be reduced as the amount of LIOSIL® FC 204 E is increased.

## 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 204 E



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

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