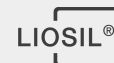


# LIOSIL<sup>®</sup> HC 603 E



## Silicone Fluid Emulsions, functional

LIOSIL<sup>®</sup> HC 603 E is an extremely finely dispersed water-based silicone emulsion. The particle size is in the nanometer range.

LIOSIL<sup>®</sup> HC 603 E can be easily diluted with water or readily incorporated into coldstirred formulations.

LIOSIL<sup>®</sup> HC 603 E is manufactured to have a low content of low molecular weight cyclic siloxanes (i.e. D4,..., D8 <500 ppm).

## Technical data

### General Characteristics

| Property        | Condition | Value                 | Method           |
|-----------------|-----------|-----------------------|------------------|
| pH              | -         | 4.5                   | Indicator strips |
| Emulsifier type | -         | nonionic              | -                |
| Solid content   | -         | approx. 17 %          | -                |
| Appearance      | -         | clear-slightly opaque | -                |
| Particle size   | -         | approx. 25 nm         | -                |

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

- Surface Care

## Application details

LIOSIL® HC 603 E is used primarily as polish in the home care sector.

LIOSIL® HC 603 E is ideal for impregnating natural or synthetic textiles in a washing machine.

It is recommended to apply the product in the rinse cycle. The impregnation effect is reached without loss of breathability of the fabrics. Recommended application concentration: 100 g LIOSIL® HC 603 E / rinse cycle

Besides LIOSIL® HC 603 E is well suited for hydrophobing most different materials as textiles, leather, wood, cork, paper, etc.

For these applications LIOSIL® HC 603 E is diluted with water to an active content of 1 – 5 %.

Slightly acidic conditions (pH 4 - 5) of aqueous formulations of LIOSIL® HC 603 E could improve their stability.

Stir well before use.

## 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

In pretests with this product concerning acute aerosol toxicity harmful effects including mortality have been observed. Therefore applications of the product which lead to generation of respirable aerosols are not recommended. To avoid a relevant aerosol exposure through use of LIOSIL® HC 603 E it must be ensured that the aerosol formed during application fulfils the following conditions: the Mass Medium Aerodynamic Diameter (MMAD) of particles should be at least 30 µ, with no more than 1 % of the particles having aerodynamic diameters of 10 µ or less (SEHC Aerosol Inhalation Guidance, [www.sehsc.com/science.asp](http://www.sehsc.com/science.asp)).

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® HC 603 E



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

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The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.