

PRESS RELEASE

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SEPAWA Congress 2023

WACKER Presents Hydrophilic Silicone Active for Household Fabric Softeners

Munich, October 25, 2023 – At the 70th SEPAWA Congress in Berlin, Germany, WACKER is unveiling its new LIOSIL®

FC 3300 E silicone emulsion to a broad technical audience. The product was developed as a highly efficient additive in household fabric softener formulations. Its active silicone ingredient strengthens the product's softening effect and makes clothing absorbent and easy to iron. This year's SEPAWA Congress will take place October 25 – 27.

LIOSIL® FC 3300 E, an emulsion containing a high concentration of actives, complements the chemical group's portfolio of silicone products designed for fabric softener production. LIOSIL® FC 3300 E is an odor- and colorless opaque product that is very easy to work with. It simply needs to be stirred into the formulation at the end of the fabric softener manufacturing process. One outstanding feature of the new emulsion is that it combines multiple properties of the existing product line.

The active ingredient of the new emulsion is an aminofunctional silicone polymer to which polyether groups have been added to make it hydrophilic, i.e., to give it an affinity to water. It follows that fabric softeners formulated with LIOSIL® FC 3300 E improve the wetting properties of the fibers and allow the fabric to absorb more

water. As a result, fabric softeners like these can also be used in applications where rapid moisture absorption by the fabric is especially important. Like classic silicone actives, the LIOSIL® FC 3300 E silicone polymer also reduces friction, lending textiles an extraordinary soft hand and making clothing easier to iron.

All three effects – the typical soft hand of silicones, easy ironing and absorbency – play out on cotton and synthetic fibers alike. LIOSIL® FC 3300 E avoids the pitfall of many commercially available fabric softeners, i.e., that they make fabric hydrophobic, causing laundry to repel water. Instead, it allows cotton to retain its absorbency, while making synthetics absorbent as well. This means that LIOSIL® FC 3300 E opens the door to a new generation of fabric softeners that can be specifically tailored to consumer preferences.

WACKER will be doing more than simply exhibiting at this year's SEPAWA Congress. On Friday, October 27, silicone experts Christof Brehm and Peter Horvath will hold a talk on fluorine-free impregnation, in which they demonstrate that the effect of impregnation with silicones rivals that of products containing fluorine-based ingredients (Forum for Innovation – Home Care, room 12 + 13, 9:30 – 9:45 a.m., "Silicones leave no one out in the rain – fluorine-free impregnation, Part II").

Visit WACKER at the 70th SEPAWA Congress, booth C492-493.



WACKER presents its new LIOSIL® FC 3300 E silicone emulsion at the SEPAWA Congress. The product was developed as a highly efficient additive in household fabric softener formulations. Its silicone active ingredient makes clothes soft, absorbent and easier to iron. (Photo: WACKER)

Note:

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<http://www.wacker.com/pressreleases>

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The Company in Brief:

WACKER is a global chemical company with some 15,700 employees and annual sales of around €8.21 billion (2022). WACKER has a global network of 27 production sites, 26 technical competence centers and 50 sales offices.

WACKER SILICONES

Silicone fluids, emulsions, rubber grades and resins; silanes; pyrogenic silicas; thermoplastic silicone elastomers

WACKER POLYMERS

Polyvinyl acetates and vinyl acetate copolymers and terpolymers in the form of dispersible polymer powders, dispersions, solid resins and solutions

WACKER BIOSOLUTIONS

Biotech products such as cyclodextrins, cysteine and biologics, as well as fine chemicals and PVAc solid resins

WACKER POLYSILICON

Polysilicon for the semiconductor and photovoltaic industries