

## Heat resistant and waterborne: New silicone resin for pots and pans

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- Unique combination of properties: sustainable, high performance, easy to use
- Suitable for food contact

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Colorful cookware is right on trend. Bright reds, deep blues, and vibrant yellows – pots and pans are increasingly becoming a design feature rather than simply a functional tool. This gives a dual purpose to the external coating: It has to look good and withstand a fair amount of punishment.

Heat-resistant coatings for cookware and bakeware are certainly not new – but to date, they have been almost exclusively solventborne. Evonik's Coating Additives business line is now launching a more environmentally friendly silicone resin, which has been specifically developed for waterborne coatings.

The new SILIKOFTAL® HTW 3 is a heat-resistant silicone resin that meets all the requirements of a sustainable formulation. It is free of organic solvents and features a significantly reduced VOC content from production to application.

SILIKOFTAL® HTW 3 is suitable for food contact as part of the external coating. By eliminating critical ingredients, the silicone resin is not classified as hazardous according to GHS.

The combination of properties – high performance, ease of handling, and suitability for food contact – makes this product unique on the market. Customers can enjoy greater freedom when formulating their coatings as SILIKOFTAL® HTW 3 can be combined with numerous pigments and can be used anywhere stoving coatings are used. This also includes, for example, toasters or other household appliances (electrical appliances). The working temperature resistance is 200°C. The high flashpoint of above 90°C offers corresponding benefits for storage and transport.

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“In SILIKOFTAL® HTW 3 we offer a product that meets increasingly stringent regulations,” says Maximilian Morin, head of the industrial coatings market segment. “The extensive and vigorous development has paid off and is an excellent example of our efforts to continuously expand our portfolio and offer more sustainable products.”

You can find regulatory, technical, and safety data sheets on SILIKOFTAL® HTW 3 at [www.coating-additives.com](http://www.coating-additives.com).

#### **Company information**

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-oriented innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik’s corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world. In fiscal 2018, the enterprise with more than 32,000 employees generated sales of €13.3 billion and an operating profit (adjusted EBITDA) of €2.15 billion from continuing operations.

#### **About Resource Efficiency**

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and produces high performance materials and specialty additives for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 10,000 employees, and generated sales of around €5.5 billion in 2018 from continuing operations.

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