

## PRESS INFORMATION

### Premiere at the European Coatings Show 2019

#### In focus: Pigment preparations Varionyl® and Varionyl®nature

prometho GmbH is specialized in the development and production of industrial inkjet inks and low-viscosity, water-based ink systems. The R&D team from the Westerwald has extensive know-how from many years of versatile development, in particular, in the processing and stabilization of pigments as well as in the formulation of inks. Since its foundation in the year 2000, prometho's laboratories have created many innovative and successful product solutions for well-known companies in Germany and abroad "We would like to introduce our innovative dispersion and inkjet ink products and services to interested developers at the European Coating Show", says managing director Jens-Christoph Hoffmann. At the ECS **booth 1-518**, prometho will demonstrate the potential of their own **Varionyl®** pigment preparations and invite to a "developer-developer" exchange in the "Developers Corner". Co-exhibitor at prometho's booth is the "Cluster Nanotechnology", of which prometho is a member of the Network „nanoInk“.

#### *„From pigment to ink“*



The basis of perfect inkjet inks is the **Varionyl®** pigment preparation family. The dispersions can be adjusted to all printing requirements and offer a variability which is not only limited to the enormous variety of colors: In addition to a variable pigment content, different pigment types (organic, inorganic or effect

pigments) can also be used. This does not only increase the colour space significantly. It is also possible to prepare highly concentrated dispersions. With **Varionyl®** even the production of opaque inks is possible.

Even during the development of the dispersions important framework conditions in the end application, substrates, the desired digital printing technology or legal requirements have to be considered. Therefore the printing and running properties are tested in the application laboratories of prometho GmbH with a series of test systems. Thus, the dispersions from prometho provide all the properties that are important in the end application and also the formulation and adjustment of the final product, e.g. the ink, is also significantly simplified and ends without "nasty surprises". All **Varionyl®** products are water based, mineral oil free and without photoinitiators.

### **„Chemical prototyping“**



prometho stands for tailor-made product solutions and expertise in all issues relating to inkjet, digital printing, dispersions and low-viscosity color systems. The range of services covers the complete product development; from the idea to the achievement of marketability, the execution of feasibility studies and the

adaptation of existing products to new requirements. Prometho also knows the concerns and needs of developers in the event of sudden production stop of ingredients and provides application-safe alternatives by substitution development. In addition to pure development, customers will be provided with service samples and test formulations in sufficient quantities. Furthermore, manufacturing facilities are available to bridge, for example, the phase of the launch onto the market. Thereby prometho is able to accompany all phases of product development of aqueous, low-viscosity colour systems.

In the "Developers' Corner" at the ECS booth, visitors can obtain comprehensive information about all services provided by prometho.

**„We make nature printable“**



For prometho, sustainable and safe products have not only been a mission in the development of inkjet inks, dispersions and low-viscosity ink systems since Chemistry 4.0, because the development team around Ruth Hoffmann has been working on sustainable and environmentally friendly product

solutions for more than 12 years. We have not only succeeded in replacing many conventional feedstocks with materials which are sustainable and preserve natural resources, but have also developed our own colorants from renewable resources for use in industrial inkjet applications. Many of them show - in particular in resistance, stability and pressure behavior - quite amazing properties. All prometho products, which consist of at least 95% renewable raw materials, receive the in-house approval *GrüneTinte*. Renewable raw materials are now even being used in dispersions. At ECS in Nuremberg, prometho will introduce **Varionyl® nature**, the first sustainable pigment preparation.

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