

Evonik: Highly effective defoamers and deaerators for the next generation

March 19, 2013

- Evonik expands TEGO® Foamex and TEGO® Airex product lines
- High performance products for printing food packaging

Contact person specialized press

Julia Kaufhold
Coatings & Additives
Phone +49 201 173 2185
Fax +49 201 173 712185
julia.kaufhold@evonik.com

Products from the coatings industry are subject to increasingly tough requirements. With its new defoamers and deaerators, Evonik's TEGO brand is making a significant contribution to meeting current and future demands on printing inks and coatings, especially in the area of modern, eco-friendly coatings.

TEGO® Foamex defoamers prevent formation of foam during production and application of waterborne coatings and printing inks. Pre-existing foam is destroyed and air occlusions prevented. TEGO® Foamex 823 from Evonik is an emulsion-based, high-performance defoamer. Because of its outstanding balance between defoaming power and compatibility, it is universally applicable and thus able to replace many specialty defoamers.

TEGO® Foamex 833 is a defoamer distinguished by excellent compatibility, good foam inhibition, rapid foam collapse and long-term effectiveness. This new silicone- and mineral oil-free defoamer concentrate features excellent properties for waterborne printing inks and coatings. It also complies with numerous food contact regulations and guidelines (e.g. the A-List SR 817.023.21", appendix 6, FDA 175.105, 176.200, 176.210, XIV. BfR, 2002/72/EG, appendix III.), enabling formulation of printing inks for food packaging and "green" eco-label coatings.

While TEGO® Foamex defoamers prevent foam formation, TEGO® Airex deaerators accelerate the escape of air from the liquid

Evonik Industries AG
Rellinghauser Strasse 1-11
45128 Essen
www.evonik.com

Chairman of the Supervisory Board
Dr. Werner Müller
Executive Board
Dr. Klaus Engel, Chairman
Dr. Wolfgang Colberg,
Dr. Thomas Haerberle, Thomas Wessel,
Patrik Wohlhauser, Dr. Dahai Yu

Registered Office: Essen
Register Court: Essen Local Court
Commercial Registry B 19474
VAT ID no. DE 811160003

coating film and prevent the formation of air bubbles and pinholes. TEGO® Airex 990 and TEGO® Airex 991 represent a new generation of deaerators for solventborne, high solids coatings as the liquid products contain 100% effective agent, are free of organic solvents and are also overcoatable. Formulators are thus free to decide the solvent content. TEGO® Airex 990 is widely applicable as a compatible deaerator for clear coats and pigmented systems. Its forte is the good balance between compatibility and effective deaeration and is suitable for all spray applications. TEGO® Airex 991 is a highly effective deaerator for pigmented fillers and top coats. Because of its excellent anti micro- and macro-foam properties, TEGO® Airex 991 can be used in many systems intended for airless, airmix and roller applications.

TEGO® Airex 921 deaerator has been specially developed for UV-cured printing inks and coatings for use in food packaging. This silicone- and solvent-free product contains only components which conform to the Swiss A List (SR 817.023.21, appendix 6). It is composed of 60% sustainable raw materials and contains 100% effective agent. This highly effective, widely-compatible deaerator can be used in clear and pigmented formulations without affecting overcoatability.

One of the highlights of the new generation of deaerators is TEGO® Airex 922. Also silicone- and solvent-free, TEGO® Airex 922 is highly effective both in emission-free and solventborne, high solids systems based on epoxide, PU and polyaspartics. The high compatibility of TEGO® Airex 922 prevents lubricating films, resulting in excellent overcoatability. Besides pigmented systems, TEGO® Airex 922 is also suitable for use in clear coats with the highest optical requirements.

Further information and data sheets are available at www.tego.de.

TEGO is a leading brand for additives, co-binders, specialty binders and nanoresins in the national and international coatings industry and belongs to the Evonik Coatings & Additives business unit.

Company information

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals. Profitable growth and a sustained increase in the value of the company form the heart of Evonik's corporate strategy. Its activities focus on the key megatrends health, nutrition, resource efficiency and globalization. Evonik benefits specifically from its innovative prowess and integrated technology platforms.

Evonik is active in over 100 countries around the world. In fiscal 2012 more than 33,000 employees generated sales of around €13.6 billion and an operating profit (adjusted EBITDA) of about €2.6 billion.

Disclaimer

In so far as forecasts or expectations are expressed in this press release or where our statements concern the future, these forecasts, expectations or statements may involve known or unknown risks and uncertainties. Actual results or developments may vary, depending on changes in the operating environment. Neither Evonik Industries AG nor its group companies assume an obligation to update the forecasts, expectations or statements contained in this release.