Evonik Coating Additives' sustainability awareness and contributions to decorative coatings

Sustainable developments meet the needs of the present without compromising the resources of future generations. Evonik's experts are experienced at translating customer needs into innovative solutions for sustainable and resource-efficient coatings, with adapted services and products.

As in previous years, Evonik is thus one of the best companies rated by EcoVadis not only in the chemical industry but also in all other industry sectors. Evonik is a founding member of the initiative "Together for Sustainability" (TfS) of the chemical industry.

The products from Evonik Coating Additives increase sustainability in a number of ways:

Product life cycle assessments:
Evonik has evaluated the life cycle assessment for several products and these reports are available in English on the Evonik website under the following link: **http://bit.ly/CAD_LifeCycle**

Life cycle assessments for several of our well-known products can be found there, including TEGO® Dispers 750 W, TEGO® Airex 900, TEGO® Foamex 1488, and more.

Statement on Eco-labeling:
Environmentally friendly paint and coating formulators contribute to improving sustainability by developing paints carrying an Eco-label. This is only possible if raw material suppliers are able to provide the product information requested to fill in Eco-label statements. Evonik makes this information available to facilitate the process of preparing and validating the Eco-label dossier.

Regulatory Datasheets (RDS):
Based on our decades of experience, we have established Regulatory Data Sheets (RDS) for a majority of our product portfolio, covering the regulations the most frequently asked. These can be found under the following link providing a list of products by alphabetical order. One can then select the product of choice to get to the 'Regulatory data sheet:
https://ww.coatino.com

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PRODUCT	% of renewable materials
LIPOTIN® DB	100 % from plants
TEGO® Foamex 18	98 % from plants
TEGO® Foamex 833	98 % from plants
TEGO® Dispers 652	70 % from plants
TEGO® Airex 991	63 % from plants
TEGO® Airex 921	57 % from plants
TEGO® Airex 990	50 % from plants
TEGO® Foamex 832	50 % from plants

Renewable materials:
Our additives portfolio includes products based on renewable materials. Our innovation team works to expand our product line to fulfill the market needs. The table to the left shows the amount of renewable materials in several of our defoamers, deaerators, and dispersing additives. The values are stated on the Regulatory Data Sheets on our website.

Portfolio for low-VOC formulations:
Our additives portfolio offers a broad range of products suitable for water-based and solvent-free formulations, allowing formulators to move away from solvent-based formulations and maintain or improve their levels of performance. TEGO® VariPlus LK, the new grinding resin, drastically lowers the VOC content in pigment concentrates for solventborne coatings and for the overall formulation.

Several wetting agents, such as DYNOL™ 360, SURFYNOL® AD01 and SURFYNOL® 107 L also act as coalescing aids allowing to partially replace co-solvents and reducing total VOC levels.

Improved process efficiency:
As pigment milling is a very energy and time consuming production process, we offer CARBOWET® grind aids to reduce the process time and increase efficiency. The CARBOWET® GA series is a family of grind aid additives that dynamically wets pigments and particles very efficiently from the beginning of the dispersion, allowing to reach the desired particle size and reduced viscosity sooner.

UN sustainability goals:
Evonik is strongly engaged and contributes to the 17 Sustainable Development Goals, adopted by the United Nations which should be achieved by the year 2030 in a cooperative partnership between governments, industries and societies. More information can be found at: **http://bit.ly/Evonik-UN-SDGs**

HERE ARE A COUPLE OF EXAMPLES FROM THE MULTIPLE ACTIONS EVONIK IS COMMITTED TO:

Climate Action: we have set ourselves the target to reduce our specific greenhouse gas emissions by 2020 by 12 percent – in relation to 2012 – and are well on the way to achieving this.

Clean Water: we have set ourselves the target of reducing specific water intake by 10 percent by 2020 (reference year: 2012).

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