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# WEBINAR UATCM

## TUESDAY, OCTOBER 10<sup>th</sup> 2023

### from 2.00 pm to 5.00 pm\*

## PROGRAM

(\*Paris time)

**Free Compulsory Registration:** <https://premc.typeform.com/UATCM-2023>  
**Practical instructions for connexion:** <https://premc.org/uatcm-2023/>  
**Language: exclusively English**

# Solutions for Coatings for Health and Environmental Care

## Welcome Address

### **Carbon Capture, One of the Best Options towards Sustainability?**

**Speaker: Coralie BARRECA, Technical Support Paints & Coatings, CELANESE**

Abstract: Thanks to its unique backward integrated-business model, CELANESE has the possibility to explore different options on the road to sustainability. From product enablers to bio-based products, or carbon footprint optimization, CELANESE is offering several concepts towards environmentally friendly dispersions for paints & coatings applications. Each concept has its strengths and limitations, and we will present the stakes behind each. Focus will be made on CO<sub>2</sub> capture concept, one of our sustainability pillars, this might be one of the most promising solutions to reach the zero-carbon target of the EU in 2050 and thus, commit with the European Green Deal.

### **Novel Light Stabilizers for Waterborne and Functional Coatings**

**Speaker: Dr. Yung-Chi YANG, Deputy Director of Technology Department Specialty Chemicals Division, EVERLIGHT CHEMICAL INDUSTRIAL CORPORATION**

Abstract: (...) The presentation will begin with the fundamentals of light stabilizers followed by the discussions of product performance in each coating system. Examples given in the presentation include successful Eversorb® AQ cases from customer for furniture and architecture waterborne coatings. It's meet 3 out of 17 SDGs. The Goals 3: Good Health and Well-being, Goals 8: Decent Work and Economic Growth, and Goals 11: Sustainable Cities and Communities issues. Eversorb® AQ for waterborne coatings are to reduce VOCs emission by 9,990 tons in 2022. This helps to meet decarbonization. Besides AQ series, I will present Eversorb® AS series for polyaspartic coatings, SH series for Self-healing coatings, CP series for coating on carbon fiber composite, Novel waterborne UV-IR cut formula and waterborne photoinitiator.

## **Vinavil Approach to Sustainability and Solutions for Coating Industry**


**Speaker: Antonietta SCHIRO, Product Manager Coating Line, VINAVIL SpA**

Abstract: The webinar will provide an overview on the sustainability topics, including an outline of the current legislative activity at the European level and regulations up to date. In the last decades, VINAVIL has improved its business to reach the quality and sustainability goals such as the removal of Substances of Very High Concern from our product formulas (ex: APEO, Boron, etc..) and the elimination/reduction of hazardous substances (like acetaldehyde, formaldehyde) as well as VOCs / SVOCs. In this presentation we will deal with VINAVIL approach towards innovation and more sustainable products, focusing mainly into R&D activities' area and the development of new polymers based on bio-monomers for the Coatings industry. There will be also an explanation of VINAVIL initiatives to reduce environmental impact such as industrial waste material recycling and energy savings.

## **Biosurfactants as Sustainable Solutions for Paint and Coating Formulations**

**Speaker: Ellen REUTER, Head of Applied Research & Technology Decorative Coatings EMEA, EVONIK OPERATIONS GmbH**

Abstract: (...) Traditional surfactants are excellent wetting agents, but they are often poorly biodegradable. This can lead to ecosystem damage and pollution of water systems. Some surfactants also cause irritation to the skin or other health problems. One solution is to replace traditional surfactants with biosurfactants. The most sustainable type of biosurfactant is one that is fully biodegradable and sourced from a renewable feedstock. There is a huge demand for sustainable and safe solutions in the market, which can be addressed with biosurfactants. In this presentation, Evonik Coating Additives would like to introduce new biosurfactants for the paints and coatings market. We will show a unique combination of application performance, combined with an outstanding sustainability profile.



## **Product Sustainability Scorecard – An Effective Way Tool for Sustainable Innovation**

**Speaker: Susana CARVALHO, Group Sustainability Director, SYNTHOMER**

Abstract: The word sustainability is all around us with multiple meanings. In parallel, there is more and more pressure and need to develop innovative and sustainable products.

To identify the differentiating factors in terms of sustainability that are important for new products, SYNTHOMER has developed a specific tool, the Product Sustainability Scorecard. This tool is used to assess products at various stages of development and enables us to enhance those features that improve the sustainability of products.

## **Circular Economy at BASF**

**Speaker: Dr. Alexander SCHENZEL, Global Sustainability Manager, BASF SE**

Abstract: Circular economy means decoupling growth from resource consumption and keeping materials in the loop as long as possible. At BASF we try to close the loop via three different approaches: (1) Biomass balance, (2) C14-traceable solutions and (3) ChemCycling. For the first two approaches renewable feedstocks are used, either directly (2) or via a mass balance concept (1). For the ChemCycling (3) approach recycled feedstocks such as mix plastic waste and end-of-life-tires are employed. The saving of resources can thereby be quantified via a product carbon footprint (PCF) calculation for which BASF has developed an own calculation tool.

## **Conclusion**