

Abstract: The Renewable Materials Conference 2023



Presenter: Dr. Dirk Leinweber

Company: Clariant

Title: Performance and sustainability without compromise: Innovative surfactant solutions

Our climate gives us increasing and alarming signals of detrimental changes thus governments have set ambitious targets with tight timelines for moving towards more sustainability, stronger greenhouse gas reduction and a pronounced circular economy.

Clariant is committed to fostering the transition to a sustainable bio economy and to ambitious SBTi-conforming carbon reduction targets: By 2030, we want to reduce CO₂ emissions by 40% for scope 1 & 2 and by 14% for scope 3, compared to 2019 base. Altogether these will require and also provide a great opportunity for a range of innovative chemical products and processes. Three different approaches will be covered in this presentation addressing the customer needs for efficient sustainability improvements as well as targeting new performance profiles:

- The new Vita range of non-ionic surfactants produced with bio-based ethylene oxide will help save up to 85% of CO₂ emissions compared to their fossil counterparts and can be easily formulated into existing formulations as renewable drop-ins.
- Genapol Complete: A novel sustainable rinse aid for shiny dishes and a clean environment addresses the consumer demands for convenience, high performance and responsible products in automatic dishwashing.
- Award-winning, multifunctional preservation booster Velsan Flex based on renewable raw materials, which is highly water-soluble and pH stable allowing formulation flexibility in Personal Care applications.