

Abstract

Surfactants Sustainability Transformation – Drop-Ins and Novel Molecular Solutions

Clariant's journey towards a more sustainable surfactant portfolio

As our climate gives us increasing and alarming signals of change, individuals and industries are looking for ways to reduce their environmental footprints. As part of this journey the demand for bio-based chemicals is set to grow strongly in the coming years. Clariant is committed to fostering the transition to a sustainable bioeconomy, e.g., by growing the share of bio-based products and processing aids in its portfolio.

Two different approaches are being presented addressing the customer needs for efficient sustainability improvements as well as targeting new performance profiles via novel molecular solutions.

Clariant's new Vita surfactants range can 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.

ACC Sustainability Leadership Award 2021 winning sugar based glucamide surfactants show significantly lower CO₂ emission profiles than other widely used mild surfactants for Personal Care & Cleaning products. Available under the brand names GlucoTain® and GlucoPure®, they offer sustainability benefits on top of powerful foaming and cleaning properties.