



Surfactants Formulation Group

Conferences

Information

Networking

Surfactants Formulation Group Seminar **"Sustainable Raw Materials – The Green Supply Chain"** [Cranage Estate, Holmes Chapel](#)

Thursday 25 November 2021

There is an ever-increasing demand from consumers for sustainable products, which come from renewable resources. This means that as producers and formulators we need to identify new starting materials and surfactants that can meet these criteria.

This meeting will highlight new and existing sustainable feedstocks that can be used to produce surfactants. It will also cover manufacturing of surfactants via green techniques such as fermentation and look at the range of bio-surfactants currently on the market.

The programme and booking form are attached.



Fifth Floor The Exchange Station Parade Harrogate HG1 1TS Tel 01423 700249 Fax 01423 520297
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10.00	Registration – refreshments	
10.30	Welcome and BACS future programme	Chairman
10.40	Platform Molecules: The Hydrophobe Challenge	Dr Thomas Farmer, University of York
11.05	An Update on Sustainable Palm Oil	Catherine Barton, Chester Zoo
11.30	Biosurfactants - revolutionising green sustainable surfactants	Richard Lock, Holiferem
11.55	Lunch	
13:00	Delivering sustainability across the value chain	Adeline Coulson, Croda Europe Ltd
13.25	EcoBalanced Products - Performance and Sustainability in Balance	Dr Sabine Both, BASF
13.50	Break	
14.10	Biosurfactants: Entering a New Era for Surfactants	Stephen Cain, Evonik Operations GmbH, UK Establishment, Nutrition & Care
14:35	Suga®Boost: Sustainable High Performance Surfactants for Cleaning	Paul Whitaker - Colonial Chemical (UK) Ltd
15:00	CLOSE	



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Synopses

Platform Molecules: The Hydrophobe Challenge

As we move towards a greener and more sustainable chemical industry, we are seeing the re-emergence of biomass as a fundamental renewable feedstock. Key to the conversion of biomass through to products are a set of small building-block chemicals, so called Platform Molecules. A recent study by the Lignocellulosic Biorefinery Network (LBNNet) proposed a list of the 10 most promising platform molecules for the UK,¹ and these are seen as being vital for delivery of the 2018-2030 UK Bioeconomy Strategy². The elemental composition difference between conventional fossil resources vs biomass means that platform molecules, and the resultant future sustainable products, will most likely contain significantly higher oxygen content relative to their petrochemical predecessors. This has a downside in that access to hydrophobic compounds, naturally low in heteroatom content, becomes a major challenge, and one the surfactant industry must address. This talk will use tools developed in the Green Chemistry Centre and York to visualise the challenge and begin to discuss some potential solutions.

1. <http://ukbiochem10.co.uk>

2. <https://www.gov.uk/government/publications/bioeconomy-strategy-2018-to-2030>

Biosurfactants- revolutionising green sustainable surfactants

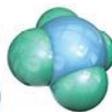
Holiferm is a UK based biochemical manufacturing company bringing bio-surfactants to the mass markets to allow formulators to move away from traditional petrochemical based surfactants. Bio-surfactants are truly green, sustainable, mild, palm free surfactants that have been designed in nature, by nature, allowing formulators to maintain functionality whilst reducing their carbon footprint. Using patented fermentation technology, sophorolipids are Holiferm's 1st offering to global markets at a commercial price to compete with standard petrochemical surfactants, so formulators and consumers can afford to make the right choices.

Delivering sustainability across the value chain

This presentation will provide insight into how the surfactants industry continues to demonstrate leadership to deliver end to end integrity in supply chains. It will also look at what sustainability really signifies for the surfactants industry, together with measures and standards supporting industry best practice.

EcoBalanced Products - Performance and Sustainability in Balance

BASF's Biomass Balance Approach ensures that 100% of our EcoBalanced products' feedstock is being replaced by renewable raw materials at an early stage of the value chain according to the mass balance approach. With our drop-in solutions, detergents and cleaners and other industrial formulations maintain their identical product quality and performance, while helping to conserve finite fossil resources and significantly reduce CO₂ emissions. In this presentation you get insights into the process, certification procedure and the benefit for the users and formulators.

BACS 
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Please complete and return this form by **no later than Friday 12 November 2021** to:

Jackie Hall, BACS, Fifth Floor, The Exchange, Station Parade, Harrogate, HG1 1TS
Tel: +44 (0)1423 700249; E-mail: enquiries@bacsnet.org

BACS MEMBER: []* £100.00 + £20.00 VAT = £120.00 (includes refreshments and buffet lunch)

NON MEMBERS: []* £294.12 + £58.82 VAT = £352.94

* (please enter number of delegates)

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