



BACS Specialist Training Courses

“Formulating with Surfactants”

Wednesday 4 October 2017 at 10.00 am

Bredbury Hall, Osborne Street, Stockport, SK6 2DH

(http://www.bredburyhallhotel.com/Contact_us.php for directions)

This course provides practical guidance on considerations to be taken into account when developing surfactant-based formulations and includes problem-solving exercises. Course attendees should have an understanding of surface chemistry and the properties of commonly used surfactants.

The course tutor is Dr Bob Hefford who has many years' experience in surface and colloid chemistry working for Unilever and Bristol-Myers Squibb where he was Director of their EMEA R&D laboratory. His responsibilities included both basic research and product development. Bob now runs an independent consultancy offering advice on advice and direction on colloid science, cosmetic science, formulation and regulation. He maintains an on-going interest in education particularly in the area of surfactant science.

Feedback from those who attended previous courses includes:

'Enjoyed the project development section as well as the technical aspects'

'Formulation examples were well worked and good'

'Test cases and discussion were very useful'

'Experimental design section was very useful, also problem solving and case studies - group activities'

'I enjoyed the discussion with examples and great presenter'

BACS members are offered priority booking with attendance limited to 20 delegates to ensure that the course is interactive. Attendees will receive a hard copy of the course material plus a copy on a memory stick.

An outline of the course is as follows:



Fifth Floor The Exchange Station Parade Harrogate HG1 1TS Tel 01423 700249 Fax 01423 520297
enquiries@bacsnet.org www.bacsnet.org

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09.30 Registration and refreshments

Why formulation?

- Including*
- Background to formulation
 - Definition of formulation – outline of application and storage tests
 - Delivery methods (tablets, dispersions, emulsion, gels, foams and powders)

Surfactants Type

- Including*
- Different effects within groups, structure composition effects
 - Multi-functionality
 - Synergies and otherwise

Hydrotropes and co solvents

- Including*
- Functions and role
 - Selection of hydrotrope and co solvent

Lunch

Environmental and Regulatory Influences

- Including*
- Implications on raw material choice and end use

Principles of Formulation

- Including*
- Structural characteristics eg physical form, RH, pH, ionic strength, effect on storage and dispensability
 - Common formulation problems and their resolution, eg separation of liquid formulations on storage at low or elevated temperatures, viscosity problems and the formulation of stable built liquids

Experimental Design

Cost Effectiveness and Manufacturing Issues

- Including*
- Raw materials
 - Production considerations

Test Cases and Panel Discussion

- Including*
- Specific examples to demonstrate particular problems
 - Examples of solutions to problems
 - Panel discussion

16.00 Close

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Please complete and return this form by **no later than Wednesday 20 September 2017** to:

Jackie Hall, BACS, Fifth Floor, The Exchange, Station Parade, Harrogate, HG1 1TS
Tel: +44 (0)1423 700249; Fax: + 44 (0)1423 520297
E-mail: enquiries@bacsnet.org

BACS MEMBER: []* £330.00 (£275.00 + £55.00 VAT) (includes refreshments and buffet lunch)

NON MEMBER: []* £458.33 (£381.94 + £76.39 VAT)
* (please enter number of delegates)

I/We enclose my/our cheque for £ payable to BACS

Or

I/We will telephone the BACS office with credit or debit card details (Visa/Mastercard)

Or

Please invoice quoting purchase order no:

BACS VAT REGISTRATION NO 235 5960 48. A VAT invoice will be issued

Title	Forename	Surname
Company/Organisation		
Address		
Telephone/mobile		
E-mail		
Special dietary requirements		

To find out how BACS membership could benefit your company, visit <http://www.bacsnet.org.work/> and request a membership pack



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