



BCA Specialist Training Courses

Learning with BCA ***"Formulating with Surfactants"***

Thursday 6 October 2022 at 10.00 am

[De Vere Cranage Estate, Holmes Chapel](#)

WHY ATTEND

Effective and efficient product development is more important today than it has ever been. An understanding of the issues and problems which can arise when formulating with surfactants will help provide with more effective product development.

COURSE OUTLINE

This course provides practical guidance on considerations to be taken into account when developing surfactant-based formulations and includes problem-solving exercises.

WHO WILL BENEFIT

Those formulating with surfactants having an understanding of surface chemistry and the properties of commonly used surfactants.

The course tutor is Dr Jim Taylour who has many years' experience in the chemistry world holding numerous positions in product development, technical support and regulatory affairs before recently setting up his own consultancy. He is also on the management panel of Surf Safe, an EU-funded research programme for universities in Portugal, Holland, Denmark and Manchester.

FEEDBACK FROM EARLIER COURSES

'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'; 'I enjoyed the discussion with examples and great presenter'

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

BCA members are offered priority booking with attendance limited to 20 delegates to ensure that the course is interactive. Attendees will receive hard copy of the course material.



Fifth Floor The Exchange Station Parade Harrogate HG1 1TS Tel 01423 700249
enquiries@bcaorg.com www.bcaorg.com

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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 Friday 23 September 2022** to:

BCA, Fifth Floor, The Exchange, Station Parade, Harrogate, HG1 1TS

Tel: +44 (0)1423 700249; E-mail: enquiries@bcaorg.com

BCA MEMBER: []* £295.00 + £59.00 VAT = £354.00 (includes refreshments and buffet lunch)

NON MEMBER :[]* £590.00 + £118.00 VAT = £708.00

* (please enter number of delegates)

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

Or

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

Or

Please invoice quoting purchase order no:

BCA 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		

Please note that any personal information provided to BCA will be used in accordance with our Privacy Policy which can be found at <https://bcaorg.com/bca/content/privacy-policy>

To find out more about BCA or how BCA membership could benefit your company please visit our website or request a membership enquiry form at <https://bcaorg.com/members/membership-enquiry-form>



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