



# BCA Specialist Training Courses

## ***Learning with BCA*** ***"Formulating with Surfactants and the New Product Development Pathway"***

Thursday 3 October 2024 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 tips on formulating with surfactants, worked examples and how the R&D process relates to new product development.

### **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 a 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 Monday 30 September 2024** to:

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

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