

BCA Specialist Training Courses

Learning with BCA "Formulating with Surfactants and the NPD Pathway"

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 more effective product development.

COURSE OUTLINE

This course on 'Formulating with Surfactants and the New Product Development Pathway' 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.

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 course material in hard copy and electronically.



BCA Specialist Training Courses

Learning with BCA "Formulating with Surfactants and the NPD Pathway"

09.30 Registration and refreshments

10.00 **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

12.30 Lunch

13.15 **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

16.30 Close



Learning with BCA "Formulating with Surfactants and the NPD Pathway"

Tel: **+44 (0)1379 673449** E-mail: **enquiries@bcaorg.com**

*(please enter number of delegates)

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		

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>



Copyright © British Chemicals Association, a company limited by guarantee, registered in England and Wales, registered number 01763229, Unit 1, St Stephens Court, 15-17 St Stephens Road, Bournemouth, BH2 6LA