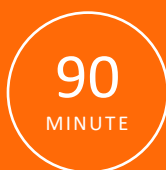


Sulfate-Free Surfactants

DIRECTED BY

Dr. Peter Smallwood — Director of Chemical Associates



ACCREDITED
COURSE

Course Topics Include:

- Sulfate-Free Surfactants in Personal Care Products
- Sulfate-free alternatives
- Causes of skin irritation
- How to reduce skin irritation
- Typical sulfate free formulations
- Sustainable and synthetic surfactants differences

about the course

Personal care and cosmetic products heavily rely on surfactants for their properties and performance. However, there have been growing concerns about the use of sulfate-containing surfactants in cosmetics, and the reasons for this are not always transparent.

To address these concerns, this 90-minute accredited training will delve into the issue and explore alternative surfactants and formulations that can overcome these difficulties and meet consumer demands for safe and effective products.

who should attend

This online training is intended for professionals in the following industries:

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|------------------|------------------|
| • Cosmetics | • Personal Care |
| • Household Care | • Pharmaceutical |

It will be especially valuable to:

- | | |
|---------------------|-----------------------------------|
| • Entrepreneurs | • Formulators |
| • Legal/Regulators | • Marketing/Sales Executives |
| • Company Directors | • Research/Development Scientists |

learning objectives

Upon completion of this course, you will be able to:

- Explain the important of Surfactants and the need for Sulfate-Free Surfactants in Personal Care Products and cosmetics
- Discuss sulfate-free alternatives and typical formulations in which they are used
- Describe the causes of skin irritation and how to reduce it

course outline

Review of Learning Objectives

Module 1

- Describe what surfactants are and how they are made
- Discuss the difference between natural sustainable and synthetic surfactants
- Describe the types of surfactants used in Personal Care and Cosmetic Products
- Lists the problems with sulfate containing surfactants

Module 2

- Discuss the surface structure of skin and hair
- The reason some surfactants irritate the skin and interfere with the care of hair
- Discuss qualitative testing of irritancy and the irritancy of different surfactant types
- Describes methods for reducing surfactant irritancy

Module 3

- Describe typical personal care formulations
- Discuss how the irritancy of formulations is reduced by the use of milder surfactants and surfactant combinations
- Review the claim that sulfate-free surfactants

Question and Answer Session

Assessment Opportunity

course instructor

Dr Peter Smallwood is a surface/colloid chemist with practical experience of the development and manufacture of polymers, coatings, cleaning products and disinfectants. He has developed antibacterial and cleaning formulations and developed a process for manufacturing antiseptic nitrile examination gloves.

Dr. Peter Smallwood is the Director of Chemical Associates, a UK based independent technical and training consultancy, serving the chemical, polymer and allied industries worldwide. His expertise in surface chemistry and surfactants has proved relevant to the manufacture of polymers and the formulation of cleaning and antibacterial products. As a result, Chemical Associates has become increasingly involved with the detergents and cleaning ingredients industry. Dr. Smallwood has published a number of reviews of the current and future prospects for the industry, has presented papers at international conferences and is involved in the training of industry personnel.

Accreditations



International Accreditors for Continuing Education and Training (IACET)

Cobblestone has been approved as a CEU Accreditor by IACET and awards CEUs for participation in qualified courses. Cobblestone has demonstrated that it complies with the ANSI/IACET Standards and is authorized to offer IACET CEUs for its programs. CEUs will be awarded for participation in Cobblestone's courses at the rate of .1 CEU per contact hour upon successful completion of the entire course and 70% accuracy in the required Learners' Assessment. A minimum score of 80% is required for all courses within a Cobblestone Certification Program. This course offers a total of 1.5 contact hours, or .2 CEUs. For further information, visit www.iacet.org