To formulate a successful sunscreen product for topical application requires a multidisciplinary approach. Factors need to be taken into consideration include the current market trends & demands, regulatory framework & compliance requirements, scientific learning on skin structure and function, UV-interacting chemistry & science, and appropriate delivery systems for optimal effectiveness and safety. This course will provide an overview of sunscreen regulations and technologies that enable the participants to design proper strategies for successful product development and marketing. In addition, small group discussion / workshops on real-life case studies will be conducted throughout the course to familiarize the participants with the complex regulatory framework and product labeling & advertising guidelines.

**HOW TO REGISTER**

1. Go to http://www.cfpie.com
2. Go to “REGISTER HERE” and select your course.
3. Create an account and register for your course.

**SUBSTITUTION POLICY - CLASSROOM COURSES**

Substitutions are accepted at no penalty with written notification from the original registrant in advance of course. All substitution requests must be in writing and emailed to info@cfpie.com.

CfPIE also offers on-site courses for 10 or more attendees. Contact us at info@cfpie.com.

**GLOBAL REVIEW OF SUNSCREEN SCIENCE, PRODUCTS & REGULATION**

**INSTRUCTOR:** WEN SCHROEDER

Only Offered as an On-Site Course

**WHO SHOULD ATTEND**

This three-day course is designed for professionals in the personal care, cosmetic and pharmaceutical industries engaged in sunscreen product development.
INSTRUCTOR CREDENTIALS

Wen Schroeder is the founder and president of SEKI Cosmeticals. With 20+ years of industrial experience, 30 US patents and author of numerous publications, Ms. Schroeder is an internationally recognized lecturer on cosmetic science & regulatory affairs.

Her lecture topics cover a wide range of areas including chemical management and biocide regulations, food, drug and cosmetic law. She is a key expert for numerous cross-governmental aid programs including the ASEAN-EU Programme, under the European Commission, for Regional Integration Support in cosmetic & pharmaceutical GMP and testing. Ms. Schroeder is scientific advisor to Taiwan External Trade Development Council and previously taught courses addressing cosmetics, food, OTC drugs, biocides and chemical management topics. She served on the Personal Care Products Council and is active in the Society of Cosmetic Chemists and the Regulatory Affairs Professional Society.

Ms. Schroeder is the editor of a newly published book, Sustainable Cosmetic Product Development by Allured Books, which is the first comprehensive technical reference work in this field for the cosmetic and personal care industry.

LEARNING OBJECTIVES

- Upon completion of this course, the participants will be able to:
  - Describe current worldwide marketing trend in sunscreen products
  - Describe regulatory product classification standards in major world markets, including proper product labeling and advertising
  - Outline regulatory requirements and compliance strategy for successful global marketing of sunscreen products
  - Identify the established and emerging sunscreen efficacy testing methodologies
  - Describe recent scientific discovery on sunscreen ingredients, technologies and skin-sun protection
  - Describe fundamentals of sunscreen actives and formulation advancement for improved delivery & efficacy

FIRST DAY

Introductions & Agenda Review - 9:00am – 9:30am

Global Sunscreen Market - 9:30am - 10:30am
  - Market trends & consumer behavior
  - Current affairs

Introduction - International Regulatory Framework - 11:00am – 12:30pm
  - Drugs or Cosmetics (or something else?)
  - Legal distinction
  - Global regulatory comparison & contrast
    - Product definition & classification
    - Combination, overlap & borderline

Lunch - 1:00pm – 2:00pm

Sunscreen Regulations Around the World - 2:00pm – 5:00pm
  - Historical background
  - Regulatory compliance in the un-harmonized world
  - Ingredients control schemes
  - Safety & effectiveness requirements
  - Sunscreen actives
  - Sunscreen products
  - Sunscreen products labeling, claims & substantiation

Recap, questions & answers 5:00pm - 5:30pm

SECOND DAY

Skin Basics - 9:00am – 10:00am

Sunscreen Photobiology - 10:30am - 12:00pm

Lunch - 12:00pm – 1:00pm

Introduction of UV Filters & Absorbers - 1:00pm - 3:30pm
  - Inorganics
  - Organics
  - Photochemistry
  - Current R&D Trends

THIRD DAY

Formulation Fundamentals - 9:00am – 10:30am
  - Product design fundamentals
  - Formulation focus
  - Other considerations

Workshop - 11:00am – 12:00pm
  - Class exercise: dissecting sunscreen formulations
  - Class exercise: formulating sunscreen products

Lunch - 12:00pm – 1:00pm

Workshop - 1:00pm – 2:00pm
  - Group exercise: formulating sunscreen products
  - Review, recap, questions & answers

Course Evaluation 2:00pm - 2:30pm

HOTEL INFORMATION

- The Hilton LAX, Los Angeles, CA (CPPIE room rate of $167/night if booked 3 weeks in advance of the course date)
- The Desmond Hotel & Conference Center, Malvern, PA (CPPIE room rate of $141/night if booked 3 weeks in advance)
- Club Quarters Hotels, Boston, MA (CPPIE room rate of $255/night if booked 4 weeks in advance).
- DoubleTree by Hilton London - Victoria (CPPIE room rate of £199.00/night if booked 4 weeks in advance)

INSTITUTE CREDENTIALS

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Her lecture topics cover a wide range of areas including chemical management and biocide regulations, food, drug and cosmetic law. She is a key expert for numerous cross-governmental aid programs including the ASEAN-EU Programme, under the European Commission, for Regional Integration Support in cosmetic & pharmaceutical GMP and testing. Ms. Schroeder is scientific advisor to Taiwan External Trade Development Council and previously taught courses addressing cosmetics, food, OTC drugs, biocides and chemical management topics. She served on the Personal Care Products Council and is active in the Society of Cosmetic Chemists and the Regulatory Affairs Professional Society.

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