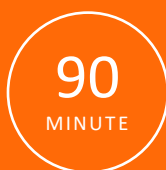


The 49th Amendment: IFRA Code of Practice

An Introduction to Fragrance Safety for the 21st Century

DIRECTED BY

Steve Herman — President, Diffusion LLC



ACCREDITED
COURSE

Course Topics Include:

- Criteria II
- Quantitative Risk Assessment (QRA)
- Decision Tree Reasoning
- Science and Implementation

about the course

The 49th Amendment to the IFRA Code of Practice introduces radical changes to the science behind fragrance safety and impacts the documentation of every fragrance in use.

This 90-minute accredited training course will describe the importance of the new fragrance safety guidelines. This course will consider the major concepts underlying the development of the 49th Amendment: The Criteria II paper, decision tree reasoning, read across, in silico, Threshold of Toxicological Concern (TTC), Dermal Sensitization Threshold (DST), aggregate exposure, and the new product categories. This course is a must-attend for anyone wishing to understand the modern science of fragrance safety.

who should attend

This course is intended for professionals from the cosmetic, personal care and fragrance industries whose products involve the use of fragrance. It will be especially beneficial to those who work in regulatory affairs, purchasing, product formulation, perfumery as well as professionals who manage these personnel.

This course would also benefit professionals who want to become familiar with modern approaches to toxicology and safety assessments.

learning objectives

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

- Analyze and explain the development process leading to fragrance safety guidelines
- Utilize key topics in modern toxicology such as read-across, in silico and TTC
- Interpret and apply the standards of the IFRA 49th Amendment

course outline

Review of Learning Objectives

Module 1: Introduction to Fragrance Safety

- Early history of fragrance safety- 1970s through 1990s
- Changes driven by new applications and questions- respiratory and environmental questions emerge
- The first series of criterion papers- initial attempts to modernize RIFM

Module 2: Criteria II, Quantitative Risk Assessment (QRA), Decision Tree Reasoning

- Criteria II- bring all endpoints under a common approach
- QRA advances skin safety science
- The decision tree incorporates read across, in silico and TTC to the evaluation process

Module 3: Key Components of the 49th Amendment and its implementation

- QRA II, Aggregate Exposure, revised SAFs
- Complex Natural Substances
- Applying the 49th Amendment

Question and Answer Session

Assessment Opportunity

course instructor

Steve Herman is President of Diffusion LLC, a consulting firm specializing in regulatory issues, intellectual property, and technology development. For many years, he served as an Adjunct Professor in the FDU Cosmetic Science Program, teaching the Cosmetic Formulation Lab and Perfumery.

He is currently teaching an online fragrance course for the University of Cincinnati. Steve was a columnist for GCI Magazine for 17 years and has written a book, *Fragrance Applications: A Survival Guide*. His SCC activities include service as Chairman of the NY Chapter, election to Fellow status, and instructor in the Continuing Education Program.

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