



Online Training

Introduction to Toxicology and Human Health Risk Assessment

23 and 24 October 2025, Online 

As safety requirements for chemicals, biocides, pesticides, cosmetics, and other products continue to grow, there is an increasing demand for toxicology expertise.

This **cross-sector training course** offers a comprehensive introduction to key concepts in toxicology, including toxicokinetics, toxicodynamics, toxicological testing and thresholds. You will gain valuable insights into the principles of hazard and risk assessment and learn about the regulatory framework.

Designed as an introductory course, **no prior knowledge of toxicology is required**. However, a basic understanding of chemistry and/or biology is recommended for participants.

Learning Objectives

- Learn the principles of hazard and risk assessment
- Understand toxicological concepts: toxicokinetics, toxicodynamics and testing methods
- Gain insights into the regulatory framework and relevant legislation

Thursday, 23 October 2025

09:00 – 14:00

Welcome & Introduction

Introduction to toxicological concepts

- Overview of hazard and risk assessment
- Exposure routes and toxicokinetics

Test methods and thresholds

- Toxicodynamics and toxicological testing
- Derivation of toxicological thresholds

Timings are in **Central European Summer Time CEST**.

Participation Fee

€ 845.00 plus VAT



Friday, 24 October 2025

09:00 – 13:00

Regulatory framework

- Relevant chemical legislation

Human health risk assessment

- Exposure: Scenarios, conditions of use, monitoring and modelling
- Risk characterisation and risk management measures
- Occupational exposure scenarios in eSDS
- Interesting links and databases

Summary & Discussion

The Experts

An Vanden Bosch, ARCHE Consulting
Frederik Verdonck, ARCHE Consulting

Registration

By web www.akademie-fresenius.com/3847
By email registration@akademie-fresenius.com

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Die Akademie Fresenius GmbH
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DIE AKADEMIE
FRESENIUS

Participation Fee: € 845.00 plus VAT

Representatives of an authority or a public university are eligible for a reduced fee of € 595.00 plus VAT per person (please provide evidence). The reduced fee cannot be combined with other rebates.

www.akademie-fresenius.com/3847

→ [Book now](#)

Do you have any questions?



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The Organisers

For 30 years, Akademie Fresenius has been your partner for practice-orientated training on all the latest topics surrounding the safety and quality of food, consumer goods and chemical products along the whole production chain. Our portfolio not only includes international conferences but also offers national trade meetings, intensive practical seminars and training in small work groups. Our events are designed to promote an active exchange amongst our participants and offer the perfect platform for bringing the industry, the scientific sector, the authorities and the consulting field together. Excellent service, all-inclusive. Our wide-ranging advanced training opportunities contribute to giving our customers the competitive edge in all quality assurance, risk assessment, legal, production and technical questions.

Akademie Fresenius is a joint venture between Carl Remigius Fresenius Education Group, one of the largest private and independent education groups in Germany, and SGS Institut Fresenius, one of the leading German providers of chemical laboratory analysis.

You can find details on upcoming and new events at www.akademie-fresenius.com

Who will benefit from this training?

Professionals working in the fields of:

- ✓ Legal & regulatory affairs
- ✓ Product stewardship
- ✓ Health and safety
- ✓ Occupational hygiene
- ✓ Research and development
- ✓ Laboratory analysis

Sectors that should take part:

- ✓ Chemical, biocides and agrochemical industry
- ✓ Producers of home and personal care products
- ✓ Importers and downstream users of chemicals
- ✓ Competent authorities, regulatory bodies and research institutes
- ✓ Consultancies

How will this online training work?

Our online training will be live – with interactive participation – and will be held in the English language. Prior to the training, we will provide you with your login details which will allow you to participate and ask questions from your preferred location. All you need is a stable internet connection and an audio hardware system – and away you go!

Terms of Participation and Purchase: The registration fee includes the participation in the online event and the event documentation for download. You will receive written confirmation of your registration. Upon receiving our invoice, please transfer the amount due without further deductions before the event begins.

Group Reductions: For joint bookings received from one company we grant a 15% discount from the third participant onwards.

Terms of Cancellation: Cancellations or rebookings to another event are possible in writing without giving reasons and free of charge up to one week before the start of the online event. In the event of later cancellations or non-login to the online event, no participation fees can be refunded. In this case, however, you will receive access to the documentation download after the event. Please note that you can name a substitute participant free of charge at any time.

General Terms and Conditions: By registering, you agree to our General Terms and

Conditions as well as to our Privacy Policy. You can find our GTC on the internet (www.akademie-fresenius.com/general-terms) or receive them on request.

Personal Data: The Akademie Fresenius will keep your data for the purpose of organising this event. We will under no circumstances use your data for commercial trade purposes. By registering for this online event, you consent to our occasionally contacting you by mail, email or phone in order to provide you with further information from our company. You can, of course, withdraw your consent whenever you wish. During this online event, image and sound content is transmitted, which may originate from the speakers and from the participants. By registering, you agree that this content may be transmitted within the virtual event space. All participants are prohibited from recording this content. Further information can be found at: www.akademie-fresenius.com/dataprotection.

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