

Module 12, Advanced Ecotoxicology

There is more to ecotoxicity than you thought....

For dates and venues, please visit: [CHCS Training](#)

Following from [Module 6](#) at the 'basic' level, we know that standard test data on the short-term effects to fish, Daphnia or algae can provide us with classification end points. We also know that some chemicals will biodegrade or hydrolyse in the environment and using these data, we can make basic assessments and complete (and understand) Module 12 of the SDS.

However, it is an unfortunate fact of life that many chemical products fail fit into the ideal of simple classification and risk assessment and in these cases, an advanced level of understanding in ecotoxicology is required.

This full-day training session has been put together to follow-up from the [Basic Ecotoxicology](#) course (Module 6) and is intended to build on these basic principles by considering more than acute aquatic toxicity studies. A further aim of the module is to help those reading data take a more critical approach to look for anomalies and to be able to pick out environmental concerns from the minimal data that are usually available to SDS writers.

Time is also given to finding data and to assess the quality of data; the internet is a wonderful tool and with the disseminated REACH dossiers providing unprecedented quantities of data it is even more important to discern the quality of data. The next challenge is to use this for self-classification of mixture.

The day is aimed at those with a reasonable technical understanding of ecotoxicology, and have ideally attended Module 6, and are ready to discuss chemistry, environmental fate and ecotoxicity.

Topics Covered Include:

- Dealing with difficult substances and mixtures
- An understanding of environmental risk
- Consideration of atmospheric, aquatic and terrestrial compartments
- Finding data and assessing quality
- Interpretation of data and identification of concern from minimal data
- The use of computer models, read across and educated guessing (SAR), especially for development products and mixtures
- Long-term effects of chemical, including the movement of pollutants
- Deliberate and accidental release scenarios

SAMPLE PROGRAMME

9.00	Registration
9.30	Session 1 "Advanced"
10:45	Break
11.00	Session 2 Sources and interpretation of data
	Session 3 Risk assessment – real life
12.30	Lunch
13.30	Session 4 Options on further testing
	Exercise on disposal and use
15:00	Break
15.15	Session 5 Real life special cases
16:00	Open discussion
16.30	Close



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Numbers on the course are restricted to a maximum of 14 in order to create an informal atmosphere for discussion. Time will be made available for group work to examine some of the practical issues of study design and data interpretation. Delegates will be provided with an advanced reading list, with recommendations for documents to bring to the training day.

Module Tutor

The training will be given by Mark Selby of Denehurst Chemical Safety Ltd. Mark had many years' experience in this sector, from manufacturing industry, to contract test laboratories and now consulting.

Comments From Delegates Attending Previous Courses

"Good understanding of data sources and data options"

"The presenter was very engaging, like the structure, lots of details and relating it to GHS"

"A very interesting introduction to ecotoxicology"

"Good information. Real life examples eg ECHA"

"Interactive, detailed and with a good pace"

Reserving A Place

You can reserve a place at this course, online by visiting [Chemical Hazards Training](#), finding the next occurrence of the course and completing the online booking form. Courses are only available to CHCS Members. If you are not an existing member and would like to join, again, the process is simple and you can complete our online Membership Registration form at: [Join Us](#).

Courses are £325 (+VAT). However, we offer a **discounted price** of only £275 (+VAT) which expires 9 weeks before the date of the course. Please see the online event for more details.

Your Attention Is Drawn To These Conditions

Delegates can be substituted at any time, subject to payment of membership fee if applicable. However, once booked, the full fee is payable. As this is a limited space training event refunds can only be made if CHCS is notified in advance, and is able to successfully re-offer the place to another delegate.

CHCS reserves the right to alter or cancel the programme due to circumstances beyond our control. If CHCS cancels, then refunds will be made.