

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) Section 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 training course 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 course is aimed at those with a reasonable technical understanding of ecotoxicology, 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
- Relevance of P, B, T and M (and vP, vB and vM)
- The use of computer models, read across and educated guessing
- Long-term effects of chemical, including the movement of pollutants, including endocrine disruptors
- Deliberate and accidental release scenarios

SAMPLE PROGRAMME

- Session 1
"Advanced"
- Session 2
Sources and interpretation of data
- Session 3
Risk assessment – real life
- Session 4
Options on further testing
Exercise on disposal and use
- Session 5
Real life special cases
- Open discussion



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Numbers on the course are restricted to a maximum of 16 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.

Module Deputy

Sue has many years' experience in the pharmaceutical, aerospace, marine, energy and nuclear industries and now works as a consultant covering REACH compliance, classification & labelling, safety data sheets and transport.

Module Presentation

We will deliver this training using an online system, which we have used successfully for other CHCS events and training. There is no charge to delegates for using the software. The licence cost is borne by CHCS.

The sessions will run live and delegates can interact with the tutor and other delegates using their device microphone. The tutor will use a PowerPoint presentation, just as they would in face-to-face training. We will provide you with copies of the presentation and all other supporting documentation in advance of the training, by email. We will provide you with a document giving more details about using the software plus some tips for getting the best out of the day.

Comments From Delegates Attending Previous Courses

"Lots of examples; good presentation material; very engaging speaker"

"Everything excellently explained – gave me a lot of insight on an area I had little knowledge of previously"

"The practical examples and reference to the guidelines were particularly useful"

"Overall, I truly enjoyed both sessions and will definitely go back to watch the recording to refresh my mind"

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 on-line 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](#).

Our training courses are £285 (+VAT). However, we offer a **discounted price** of only £260 (+VAT) which expires 6 weeks before the date of the course. Please see the online event for more details.

Please note these Conditions

Delegates can be substituted at any time, subject to payment of a 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, including insufficient interest. If CHCS cancels, then refunds will be made. For registrations made within 5 weeks of the course date, we only accept payment by Card.