



**Chemical Hazards
Communication Society**

CHCS TRAINING

Module 12

Advanced Ecotoxicology



For [date and venue](#)
please see that section
of this web-site

Registration 09.00
Close 16.00

MODULE 12 – ADVANCED ECOTOXICOLOGY

There is more to ecotoxicity than you thought... At the basic level, we know that standard test data 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 risk assessments. 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.

Who should attend?

This module is aimed at those with a reasonable technical understanding of ecotoxicology, chemistry and chemical supply classification.

Benefits of attending

Attendance on this series of modules will ensure that **your** SDSs meet the increasing expectations of both your customers and the regulators. To ensure the most effective training with optimum involvement in participative exercises, there will be a limit of 14 on the number of students.

IOSH members are entitled to include this module in their continuing professional development records.

Comments from previous delegates on this training module

“Helped to bring basic understanding of test methods and analysis, and how to interpret test results.”

“Foundational and helpful for future studies.”

“Good framework – well supported by constant references to lecturer’s practical experience.”

What you will learn

This module follows on from Module 6 - Basic Ecotoxicology and builds on basic principles by considering more than acute aquatic toxicity studies. It will also help those reading data to look for anomalies and to be able to pick out environmental concerns from the minimal data usually available to SDS writers.

- Dealing with difficult substances and mixtures
- Consideration of atmospheric, aquatic and terrestrial compartments
- Interpretation of data and identification of concern from minimal data
Quality of supplier safety data sheets, What to look for in test reports, Looking for anomalies in data, Non-standard tests, Identification of concern from minimal data, Computer models, read across and educated guessing (SAR)
- Risk assessment – real life
Release effect scenarios, Risk assessment in terms of disposal recommendations (Section 13), Background to EU methods / Technical Guidance Document, Gathering data for risk assessment (expected use patterns etc),
- ‘Advanced’ ecotoxicology testing; further testing options
Terrestrial ecotoxicology, the birds and the bees, Prolonged testing, Environmental fate and the effects on treatment plants, Bioconcentration, Atmospheric pollution (Ozone etc)
- There will also be opportunities for delegates to discuss personal experiences and ask questions relating to their own specific range of products.
- Relevance to REACH

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 with a major test house before setting up his own business.

NOTE: Please feel free to print out this brochure and forward copies to personnel of your own or any other company who you feel might appreciate receiving it.