

## Module 6, Basic Ecotoxicology

*The importance in understanding the fate and effects of chemicals in environment*

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

Popular science is full of phrases such as ‘biodegradable’ and ‘environmentally friendly’, but is there really anything that is friendly to the environment? And are biodegradable materials safe? And why should we be bothered if a Daphnia dies?

To enable the chemical industry to take a responsible position in the care of the environment, it is important for those involved to have at least a basic understanding of the terms used in describing the fate and effects of chemicals in the environment and to understand how to test for environmental impact.

This one-day training module is intended for those working within the chemical industry who need to understand the relationship between potential hazards of materials to the environment and the SDS.

Whether receiving or writing an SDS, it is necessary to understand Section 12 of the SDS and the corresponding classification in Section 2. There is a lot of jargon used and this Module is intended to demonstrate the basics of ecotoxicity and remove some of the mystery of this topic.

### Topics Covered Include:

- The importance of knowing potential environmental effects
- Background to regulatory requirements for testing
- Test method references
- Basic types of ecotoxicity studies
- Descriptions of terms and jargon
- Importance of physico chemical properties
- Supporting chemical analysis
- Biodegradation and persistence
- Application of CLP with basic classification
- Understanding of Section 12 of the SDS

Numbers on the course are restricted to enable an informal atmosphere of discussion and time is being made available for group work examining some of the practical issues of study design and data interpretation.

### SAMPLE PROGRAMME

9.00	Registration
9.30	Session 1 Background to testing and regulatory requirements
	Session 2 Data gathering and basics of testing
11:15	Break
11.30	Session 3 Biodegradation and persistence (fate)
12.30	Lunch
13.30	Session 4 Practicalities of laboratory testing
	Session 5 Outcomes from testing
	Exercise
15:00	Break
15.15	Session 6 Mixtures and effluent
4.30	Close



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## Advanced Ecotoxicity – Module 12

Module 6 covers the basics for SDS writing, but [Module 12](#) that follows Module 6 takes it to the next level and covers difficult substances, sources of data, assessing environmental impact of mixtures, self-classification of mixtures etc and also introduces longer term studies. This in turn leads on to Modules 53 and 20 that cover the Chemical Safety Report and Extended-SDS. Please see [www.chcs.org.uk/chemical-hazards-training](http://www.chcs.org.uk/chemical-hazards-training) for details of all courses and dates.

## 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

*"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"*

*"Good training materials"*

## 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 £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.