



Chemical Hazards Communication Society

CHCS TRAINING

Module 11 *Advanced Toxicology*



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

Registration 09.00
Close 16.30

MODULE 11 – ADVANCED TOXICOLOGY

This module is an advanced training day in toxicology. At the basic level, we learnt that standard test data can provide us with classification end points. We also know the importance of setting up human exposure scenarios in order to make basic risk assessments. An advanced level of understanding in toxicology is required when it comes to understand the toxicological mechanisms leading to different toxicological end points.

Who should attend?

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

The training will be partially based around the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 [CHIP3 Regulations].

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

“Very professional & enthusiastic presenter. Questions encouraged & answered fully.”

“A.M. session very good. Complemented my current knowledge. P.M. session extremely useful.”

“Very friendly and informal.”

What you will learn

This module follows on from Module 5 – Basic Toxicology and builds on basic principles by considering chronic toxicity studies and end points (CMR) in more depth. It will also help those reading data to interpret whenever there is a toxicological concern regarding findings in the literature.

- Reminder of definitions/basic terms
- Target organ toxicity (STOT in GHS)
- Mechanisms behind some toxicological end-points (allergy)
- Some of the toxicological end-points in more detail; carcinogenicity, mutagenicity, reproduction toxicity (CMR)
- Basic introduction to Q(SAR)
- Toxicokinetics (absorption, metabolism, excretion)
- Human exposure scenarios (REACH), computer models
- Interpretation of data and identification of data that gives rise to toxicological concern (for example regarding classification with R48)
- Where to find the data – about sourcing of data from the literature
- There will be opportunities for delegates to discuss personal experiences and ask questions relating to their own specific range of products

Students will be expected to bring copies of **the latest edition of the CHIP “Approved classification and labelling guide” (L131)**.

Module Tutor

The training will be given by toxicologist Annette Dock. Annette lives in Sweden and after many years experience from working for central authorities in Sweden Annette now has had her own business running for more than 15 years. Annette has a lot of experience in lecturing to students, as well as in toxicological assessment of substances. She also has a long experience in the preparation of Safety Data Sheets.

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.