



Chemical Hazards
Communication Society

Training - Module 5

Basic Toxicology



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

Registration 09.00

Start 09.30

Close 16.30

MODULE 5 – BASIC TOXICOLOGY

This module is an introductory training day to the field of basic toxicology and to all of the different terms used – LD₅₀, LC₅₀, systemic toxicity, STOT - as well as to toxicology testing.

To enable the chemical industry to take a responsible position in the care of workers and consumers, it is important for those involved to have a basic understanding of the basic principles of human toxicology.

Who should attend?

This one day training event is intended for those working within the chemical industry who need an introduction to the potential hazards of materials to humans and of the concepts of regulatory test methods leading to a classification regarding health effects.

The training will be partially based around the Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 [CHIP4 - which implements the EU 67/548/EEC DSD and 1999/45/EC DPD] as well as the Classification, Labelling and Packaging (CLP) Regulation (EC) No 1272/2008.

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 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

“Good knowledge of leader. Help in identifying problems in toxicology. A good timetable plan.”

“Kept relatively simple, but didn’t over simplify. Great glossary.”

“Working in groups for exercise was good. Knowledgeable trainer.”

What you will learn

The course will cover the following aspects:

- What is toxicology? Definition, as well as brief discussion of the different disciplines involved
- Basic terms (and acronyms); LD₅₀, LC₅₀, CMR, STOT (part of CLP)
- Animal testing, examples of different studies (sub-acute, acute, sub-chronic, chronic)
- Systemic versus local effects
- Routes of exposure
- Basic introduction to human exposure scenarios (REACH)

Students will be expected to bring copies of the CHIP “Approved Classification and Labelling Guide” (L131) Sixth Edition (available at <http://www.hse.gov.uk/pubns/priced/l131.pdf>) , as well as Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures, including Annexes (available at <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:EN:PDF>). An electronic version on laptop is preferable.

Note: This module introduces delegates to the area of toxicology, more in-depth discussion of the requirements for Section 11 of the SDS will take place in Module 11 – Advanced Toxicology.

Module Tutor

The training will be given by toxicologist Annette Dock (née Kronborg). Annette lives in Sweden and after many years experience from working for central authorities in Sweden, 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.