

Module 5, Basic Toxicology

The importance of understanding how chemicals impact human health

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

Toxicology is full of different terms and acronyms such as LD50, LC50, local versus systemic toxicity, STOT etc. But what do they mean and why do we need to understand them?

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.

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.

Attendance on this series of modules will ensure that your SDSs meet the increasing expectations of both your customers and the regulators. Numbers on the course are restricted to enable an informal atmosphere that encourages discussion and time is made available for shorter group exercises.

Topics covered include:

- What is toxicology? Definition, as well as brief discussion of the different disciplines involved
- Basic terms (and acronyms); LD50, LC50, CMR, STOT
- Animal testing, examples of different studies (sub-acute, acute, sub-chronic, chronic)
- Systemic versus local effects
- Examples of known mechanisms behind toxicological effects
- An introduction to Integrated Testing Strategies
- Understanding of Section 11 of the SDS

SAMPLE PROGRAMME

9.00	Registration
9.30	Welcome, introductions, safety and welfare
09.40	Morning session
11.00	Break
11:15	Morning session continued
12:30	Lunch
13:30	Afternoon session
14:30	Exercise session – introduction
15:00	Break
15:15	Exercise session continued
16:15	Discussion afternoon exercise. Summing up
16.30	Close



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Legislation

Participants need to bring an electronic copy of the Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures, including Annexes on a laptop or tablet for use during the exercises.

The latest consolidated version of the CLP Regulation can be downloaded from:

<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:02008R1272-20180301&qid=1530617132797&from=EN>

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

This module will be presented by toxicologist Annette Dock. Annette has over twenty-five years' experience in chemical regulation. Annette has worked for central authorities in Sweden (National Food Agency, Swedish Work Environment Authority and Swedish Chemicals Agency) before setting up her own business working as an independent consultant.

Comments From Delegates Attending Previous Courses

"The training was aimed correctly in terms of difficulty. It was enjoyable with plenty of examples."

"The leaders were engaging and kept the presentations easily digestible. Good dynamic. Exercises were challenging in a good way, working in groups gave lots of opportunity to discuss and work way through."

"Covered a complicated topic well"

"Interesting presenter and topic. Good course 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 courses are £325 (+VAT). 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.