

Module 5

Basic Toxicology

*The importance of understanding how
chemicals impact human health*

For dates and venues see:

[CHCS Training](#)

**Malmaison Hotel,
1-3 Piccadilly, Manchester,
M1 1LZ**

**Registration 09.00
Start 09.30
Close 16.30**



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MODULE 5 – BASIC TOXICOLOGY

Toxicology is full of different terms and acronyms such as LD50, LC50, local versus systemic toxicity, STOT etc. But what do they mean and what 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.

Comments from previous delegates on this training module

“Good examples & anecdotes to make the information relatable”

“Started basic & built on it so easy to understand. Very relaxed style & used examples.”

“Good examples. Presented in simple small sections.”

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

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:

<http://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:02008R1272-20160401&qid=1475062472384&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

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, now has had her own business running for more than 20 years.

Reserving A Place

For dates, venues and costs, please see our website at: www.chcs.org.uk/training/safety-data-sheet-training.htm.

Your attention is drawn to the conditions below:

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.