

## Module 20, The Extended SDS: Understanding Exposure Scenarios

**For dates and venues, please visit: [CHCS Training](#)  
This Module will be delivered, live, online**

When hazardous substances are registered under REACH, it is necessary to make an assessment of risk for known uses of the substance and resulting mixtures to ensure that the uses for which are 'suitable' and risk can be managed. As part of this, exposure estimates resulting from scenarios of use are part of the chemical safety report (CSR) and the results of the CSR need to be communicated onwards to downstream users.

The SDS is the primary tool for communication and it is now necessary to identify these uses and describe the scenarios of use that have been considered when registering substances. This extended SDS is now required for registered hazardous substances and as they filter down the supply line, the findings will need to be taken into account by those preparing mixtures.

The exposure scenario (ES) for each of the uses identified in Section 1 of the SDS therefore needs to be part of the extended SDS and needs to be readable and relevant for the anticipated users (customers). The level of detail will reflect the degree of hazard and the knowledge of the recipient.

This course, delivered live, online over two consecutive mornings, aims to cover the principles of exposure assessment and the extended SDS, linking the technical concepts covered in [Module 53](#) with regulatory and practical requirements. By responding to feedback to give more time to this topic, some of the data and scientific issues have been moved to Module 53 thus allowing Module 20 to include more in-depth examination of example ES and a chance to prepare parts of the ES using CSRs or other sources of information.

### Who Should Attend?

The module is designed for those involved in chemical safety assessment and communication, within the context of product stewardship and with a particular focus on supply regulations, including REACH. Those receiving or preparing extended SDS will benefit.

Those attending should already understand the broad concepts of chemical supply legislation, including REACH, and also understand the science of data assessment including physico-chemical data, basic toxicology and basic ecotoxicity, as well as good working knowledge of the SDS. An understanding of the principles of DNELs and PNECs will also be of help.

### SAMPLE PROGRAMME

- Technical and regulatory background
- Hazard assessment – Substance data and 'Chemical Safety Assessment'
- Considering exposure and risk characterisation

**Please note this Module is not suitable for newcomers to this area. It is recommended that delegates have previously attended [Module 15](#) 'Advanced Preparation of SDSs' or [Module 53](#) 'Risk Characterisation and The Chemical Safety Report' or have similar experience in writing SDSs and in reading/understanding CSRs.**

### Module Presentation

This training will be delivered live, online using proprietary software.

**Note: The regulatory and technical requirements covered by this module relate to EU and GB REACH.**



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## Benefits Of Attending

Attendance on this module will ensure that you are up to date with the requirements for the production of Extended SDS. To ensure the most effective training with optimum involvement in participative exercises, there will be a limit of 14 on the number of students.

## What You Will Learn

This module will cover the following points to assist writers in producing Annexes to their SDSs.

- Technical and regulatory background
  - Importance of communication – why is the ES needed?
  - Basic principles of exposure assessment and understanding risk
  - Legislative framework for chemical supply
- Relevance of hazard assessment - 'Chemical Safety Assessment'
  - Environmental and health hazards
  - Types of data and endpoints
  - Safe levels and limits for health (DNELs / WEL etc )
  - Safe levels for the environment (PNEC)
- Considering exposure - Exposure Scenarios / Emission Scenarios
  - Patterns of exposure
  - Environmental exposure - atmospheric, aquatic and terrestrial
  - Workplace exposure – industrial and professional
  - Exposure to general public including secondary exposure through food and water
  - Use of default data and guidance
- The Extended SDS
  - Overview of requirements document
  - Practical review of template(s) including CSR templates
  - Practical review of formatting and content
  - Communication through supply chain
- Further options
  - Practical attempts at preparing ES and determining if level of exposure is acceptable
  - Risk Management Measures

## Module Tutor

The training will be given by Mark Selby of Denehurst Chemical Safety Ltd. Mark had many years' experience with a major test house before setting up his own business and runs the very successful CHCS modules on ecotoxicology, advanced SDS writing and Exposure Scenarios.

## EU Exit of the UK

The departure of the UK from the EU does not impact on the either the importance of the assessment of hazard and exposure, the SDS or the legal requirements. The formatting and content of the SDs is set by United Nations GHS and the UK will follow these requirements.

## Comments From Delegates Attending Previous Courses

*"Engaging course leaders tried to make content more relevant to all attendees' industries"*

*"Focuses on 'useful' info. Good overview of ESDS and also on mixture ES's. Liked trying to translate CSR to ES's for ESDS. Definitely have a better awareness as I head back to the office."*

*"Good presenter, relaxed style, took questions easily and gave time to queries"*

*"It covered the different aspects well and was a good introduction to ESDS's, their benefits and issues with them."*

## 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 online courses are £285 (+VAT), but we offer a **discounted price** of only £260 (+VAT) which expires 6 weeks before the date of the course. Please see the online event for more details.

## Please note these Conditions

Delegates can be substituted at any time, subject to payment of a 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, including insufficient interest. If CHCS cancels, then refunds will be made. For registrations made within 5 weeks of the course date, we only accept payment by Card.