

Strategies in the Assessment and Control of Welding Fumes

Course Overview:

Welding technology is rapidly developing - as is the Occupational Hygienist's approach to assessing and controlling the exposure to welding fume. With further attention being paid to reducing the harm of welding in the workplace it is taking up more and more time of Hygienists.

This is a half day workshop for intermediate Occupational Hygienists to learn about the toxicokinetics of welding fume and how to apply this to the assessment and control of exposure. The workshop delivered by Certified Occupational Hygienists will include discussions and scenarios to cover off commonly encountered situations to deliver reduction in welding fume exposure.

Aims:

- Understand the toxicokinetics of common metals found in welding fumes.
- Understand the techniques for qualitatively and quantitatively assessing exposure to welding fume in the workplace.
- Understand the benefits and limitations of controls used to minimise welding fume exposure.

You will learn:

- The toxicokinetics of welding fume exposure including recent updates in research.
- To assess the risk of exposure to welding fume using qualitative and quantitative methods.
- To select the appropriate methodology for risk assessment of welding fume exposure and devise a suitable sampling strategy.
- To apply control measures to welding fume exposure and assess their effectiveness