

Helen Barnes

Chemicals Regulatory Advisor

Professional Status	
Chemicals Regulatory Advisor	Her work includes research in open literature, collation and review of chemical data, and preparation of technical text for various clients and projects. Main responsibilities are information gathering on chemicals legislation, including REACH and pesticides legislation; data review and interpretation, and report writing, for biodegradation and toxicity sections of a range of projects related to chemicals and the environment.
Education	
1979	BSc. First Class Honours, Biochemistry, University of London
Experience	
2002- ongoing	Peter Fisk Associates: Chemicals Regulatory Advisor
1974-1975	Technician in stability data lab at a major pharmaceutical company. The work involved using a variety of methods to assay formulated products to provide data on the stability of the active ingredient in the product. The techniques used included UV-Vis, titration and TLC. The data generated was used for regulatory compliance.
Expertise	
Data gathering; Fugacity modelling	Collation and review of chemical property data from the open literature, with use of QSAR to fill data gaps, and fugacity modelling techniques, for a published reference book.
Property prediction	Research into QSAR methods for mammalian toxicology.
Biochemistry	Contribution to expert reports, including discussion of biochemical aspects of bioconcentration.
Biodegradability	Collaborative assessment of biodegradability for components of a complex organic multi-component substance, in the context of environmental risk assessment using the hydrocarbon block method.
Articles	Preparation and collaboration on of a number of non-peer reviewed articles for a technical newsletter.