

Hazardous chemicals: use and disposal

Dr Phillip Crisp

3 April 2017: Professional Learning Institute, Hobart

5 April 2017: The Point, Westpark, Bernie

8.15-9.00	Registration • tea/coffee	
9.00-9.15	Introduction • Welcome • Work Health Safety Act and Regulation	• Housekeeping • Dangerous Goods legislation
9.15-10.00	How to avoid an "accident" • factors underlying "accidents" • how chemicals cause injury • toxicity and hazard	• examples of "accidents" in schools • layers of defence • how to spot dangers
10.00-11.00	Risk assessment: the logic and the process • legal requirements, WHS Act 2012 • identify, assess and control risks • advantages of a formalised system	• the whole risk assessment process • risk matrix • overview of RiskAssess
11.00-11.30	<i>MORNING TEA</i>	
11.30-12.30	Globally Harmonised System (GHS) for hazardous chemicals • classification of chemicals • labelling of chemicals • safety data sheets (SDSs) • record keeping	• physical, health, environmental hazards • hazard pictograms • signal words • hazard and precautionary statements
12.30-1.15	Dangerous chemicals • explosive chemicals • corrosive chemicals • lung-damaging chemicals	• toxic chemicals • carcinogenic & teratogenic chemicals • allergenic chemicals
1.15-2.00	<i>LUNCH</i>	
2.00-2.45	Safe storage of chemicals • storage systems for chemicals • maintaining a chemical register • Australian Standards	• classes of Dangerous Goods • legal storage requirements • Codes of Practice
2.45-3.15	Chemical spills and first aid • types of spills • clean-up of small bench/floor spills • first aid	• major spillages • acid, base and flammable spills • specialised clean-up procedures
3.15-4.00	Disposal of chemical wastes • legal requirements • practical problems • examples of safe disposal	• storage of wastes • disposal methods • disposal of spilled materials