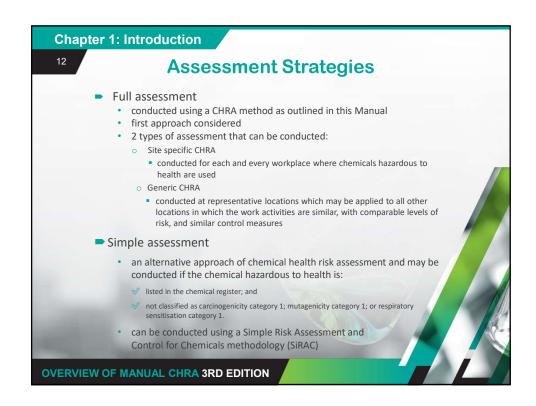
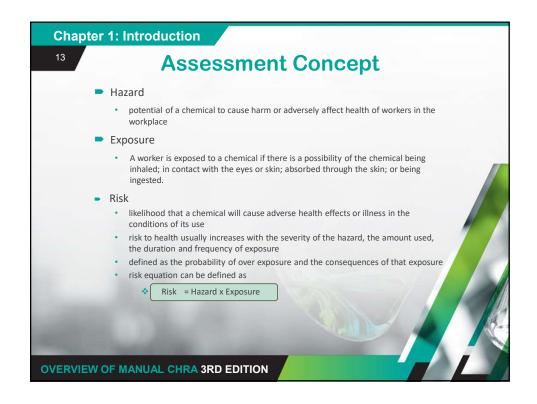
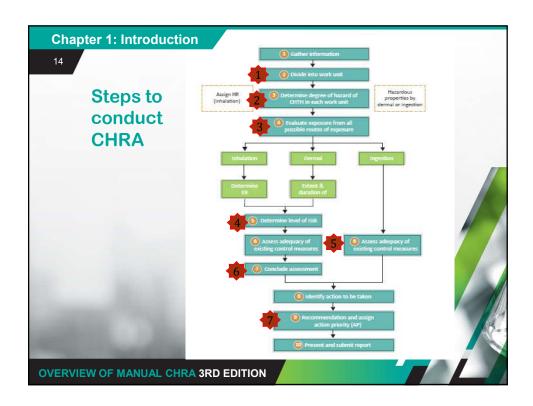
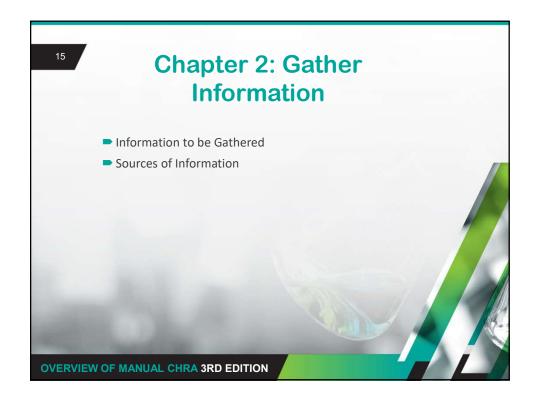


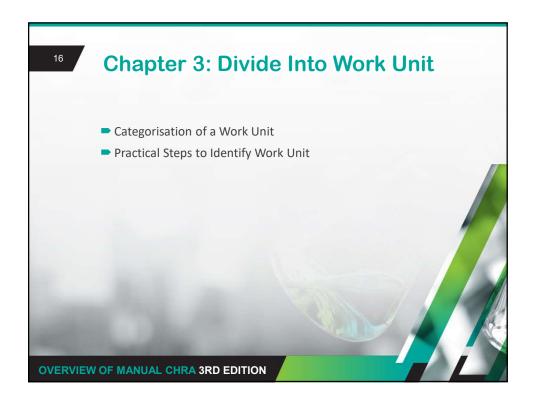
## **Chapter 1: Introduction Purpose & Objective** Purpose of conducting CHRA enable decisions to be made on: √ appropriate control measures; ✓ induction and training of workers; √ the necessity of exposure monitoring programme; and √ the necessity of medical surveillance programme as may be required to protect the health of workers who may be exposed to chemicals hazardous to health at work Objectives of CHRA Identify the hazards posed by each chemical hazardous to health use within the workplace; Evaluate the degree of exposure of workers to the chemicals hazardous to health, either through inhalation, dermal or ingestion; Evaluate the adequacy of existing control measures; Recommend further appropriate control measures and prioritise actions to be taken to prevent or reduce risks. **OVERVIEW OF MANUAL CHRA 3RD EDITION**

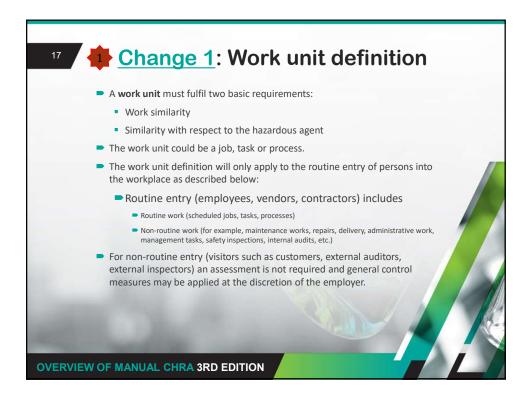


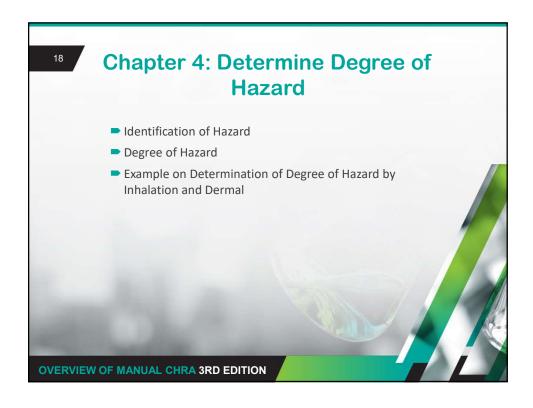


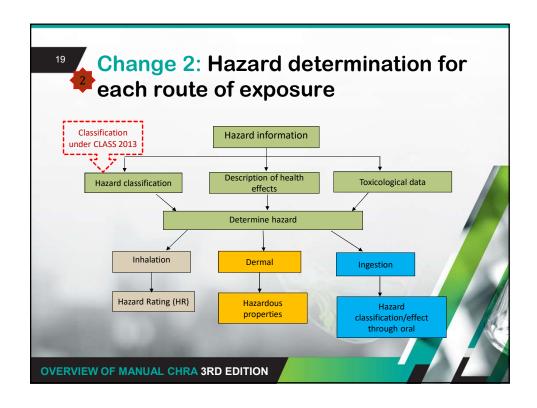














4: Determine Degree of Hazard	HR	Health Effects	Hazard Classification	H-code: Hazard Statement	Acute toxicity
Table 1: Hazard Rating for inhalation exposure based on health effect, hazard classification, hazard statement and acute toxicity data		Injury of sufficient life by single exposure;     Causing fatality at low doase or concentration;     Severe irreversible effects, led, central nervous system effects, kidney necrois, liver lesions, aneemia or paralysis) after a single exposure;     Known to have carcinogenic potential for humans;     Known to induce heritable mutations in the germ cells of humans;     Known human reproductive toxicant.	Acute toxicity category 1 (inhalation)	H330	LC <sub>66</sub> S 0.5 mg/l (vapours) LC <sub>66</sub> S 100 <u>ppm</u> /, (gases) LC <sub>66</sub> S 0.05 mg/l (dusts/mists)
			Carcinogenicity category 1A	H350, H350i	
			Mutagenicity category 1A	H340	
	5		Reproductive toxicity category 1A	H360, H360D, H360F, H360FD, H360Fd, H360Df	
			Specific target organ toxicity – single exposure category 1	н370	
		Injury of sufficient severity to cause permanent impairment, disfigurement or irreversible change from single or repeated exposure;     Very serious physical or health impairment by repeated or prolonged exposure;     Presumed to have carcinogenic potential for humans;     Chemicals which should be regarded as if they induce heritable mutations in the germ cells of humans;     Presumed human reproductive toxicant.	Acute toxicity category 2 (inhalation)	H330	0.5 < LC <sub>50</sub> ≤ 2.0 mg/l (vapours) 100 < LC <sub>50</sub> ≤ 500 ggm/y. (gases) 0.05 < LC <sub>50</sub> ≤ 500 ggm/y. (dusts/mists)
	4		Carcinogenicity category 1B	H350, H350i	
			Mutagenicity category 1B	H340	
			Reproductive toxicity category 18	H360, H360D, H360F, H360FD, H360Fd, H360Df	
			Effects on or via lactation	H362	
			Specific target organ toxicity — repeated exposure category 1	Н372	
			Respiratory sensitisation category 1	H334	

