

Science Practical Risk Assessment

School of Maths & Science	Practical Activity Title Food Tests (MAS_SP_0005_food_tests)	Risk Assessment No. MAS_RA_0005_food_tests_afan	
Location	Biology Lab. AA024		
Assessment Performed By	Kathryn Williams	Signature:	Date: 08 Jan 2008
Supported By	Wendy Rees	Signature:	Date: 08 Jan 2008
Approved By	Brian Harris (H.o.S.)	Signature:	Date: 08 Jan 2008
Date of Re-assessment (if necessary)	Re-assess if any changes to procedure or equipment / chemicals are made.		

HAZARDS TO BE CONSIDERED	WHO MIGHT BE HARMED?	IS THE RISK ADEQUATELY CONTROLLED?	WHAT FURTHER ACTION IS NECESSARY TO CONTROL THE RISK?
1. Slipping / Tripping	Staff		
2. Fire	Students		
3. Chemicals / drugs			
4. Moving parts of machinery			
5. Pressure systems		<i>Please complete overleaf</i>	<i>Please complete overleaf</i>
6. Electricity			
7. Dust			
8. Fumes			
9. Manual Handling			
10. Noise			
11. Lighting			
12. Computers			
13. Any other hazards			

(Please refer to Risk Assessment Matrix to indicate how Severity and Likelihood combine to produce a Risk score)
Likelihood x Severity = Risk Score, = Low, Medium or High risk

Type & Source Of Hazard	Nature Of The Risk	Type Of Activity In Which Risks May Arise	Control Measures	Risk Rating			L M H	Any Further Control Measures Required
				L	S	R		
Bags & coats	Trip Hazard	Any activity which involves movement around the laboratory	Place all bags & coats etc in designated area of room.	1	1	1	L	
Hot Apparatus	Burns	Heating water baths with Bunsen burners.	All long hair should be tied back, use tongs when handling hot test tubes and allow equipment to cool before putting away.	1	2	2	L	
Benedict's solution, 2mol/dm ³ HCl sol'n, 0.01mol/dm ³ iodine sol'n, NaHCO ₃ powder 0.4mol/dm ³ NaOH 0.02mol/dm ³ CuSO ₄ sol'n	Splashes to skin and eyes	Adding chemicals to test solutions.	The wearing of safety goggles is mandatory during practical activities in the laboratory. Chemicals used are listed as either low hazard or irritant; any splashes to skin should be washed off immediately.	1	2	2	L	
Ethanol (I.M.S.)	Fire / explosion	Emulsion test	Ensure all Bunsen burners from previous tests are extinguished before proceeding with the emulsion test.	1	3	3	L	
Ethanol (I.M.S.)	Toxicity	Emulsion test	Only very small quantities used. Keep off skin and avoid inhalation. Ensure laboratory is well ventilated, any splashes to skin should be washed off immediately.	1	1	1	L	

INDICATE WHAT FIRST AID ARRANGEMENTS ARE IN PLACE

A science technician (qualified first aid at work) shall be present during all science practical lessons.
First aid kit available in all science prep rooms (Physics AA022, Chemistry AA018 & Biology AA024).

Assessment performed by : (Please Print Name)	Kathryn Williams	Position :	Biology / Human Biology Lecturer
Date of Assessment :	08 January 2008		
Signed :			

ACTION LIST RECOMMENDATIONS	Risk Rating			L M H	TO BE ACTIONED BY	DATE ACTION COMPLETED	SIGNATURE
	L	S	R				