

Science Practical Risk Assessment

School of Maths & Science	Practical Activity Title	Rate of reaction with change of concentration (WJEC_GCSE_Chemistry_assessment_C1b)			Risk Assessment No. WJEC_GCSE_Chemistry_assessment_C1b_RA	
Location	Chemistry Labs. NB236 / 237					
Assessment Performed By	Beryl Bond / Emma Lee	Signature:		Date:	03 Dec 2007	
Supported By	Gareth John	Signature:		Date:	03 Dec 2007	
Approved By	Brian Harris (H.o.S.)	Signature:		Date:	03 Dec 2007	
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 lockers provided	1	1	1	L	
Sodium Thiosulphate	Splash to eyes / skin irritation	Pouring & mixing solutions	The wearing of safety goggles is mandatory during practical activities in the laboratory. Very dilute sodium thiosulphate is used which has minimal hazard, any splashes to skin should be washed off.	1	2	2	L	
Hydrochloric acid	Splash to eyes / skin irritation	Pouring & mixing solutions	The wearing of safety goggles is mandatory during practical activities in the laboratory. 2mol / dm ³ HCl is used which is an irritant not corrosive, any splashes to skin should be washed off immediately.	1	2	2	L	
SO ₂	Toxicity	Small quantities produced during reaction	Only very small quantities produced, ensure lab is well ventilated during prac. Place glassware in fume cupboards immediately after prac.	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 NB232, Chemistry NB237B & Biology NB124A).

Assessment performed by : (Please Print Name)	Beryl Bond	Position :	Technician / Chemistry lecturer
Date of Assessment :	03 December 2007		
Signed :			

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