Science Practical Risk Assessment

NEATH PORT TALBOT COLLEGE COLEG CASTELL NEDD PORT TALBOT

NPTC

School of Maths & Science	Practical Activity Title		of Fe(II) Using Pot e (MAS_SP_2501_Fe(ii)_with_pota	Risk Assessment No. MAS_RA_2501_Fe(ii)_with_potassium_dichr omate			
Location	Chemistry La	bs. NB236 /	237	Revision level: 1			
Assessment Performed By	Samantha Ox	ley	Signature:		Date:	28 Sep 2009	
Supported By	Gareth John		Signature:		Date:	28 Sep 2009	
Approved By	Kelly Gay (H.	. o.S.)	Signature:		Date:	28 Sep 2009	
Date of Re-assessment (if necessary)	Re-assess if any char	iges to procedure	or equipment / chemicals are	made.			

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

MAS_RA_template Revision level 4 24-Feb-09

(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 HazardNature Of The Risk		Type Of Activity In Which Risks May	Control Measures		Risk Rating		L M	Any Further Control Measures Required
		Arise		L	S	R	H	
Bags and coats	Trip Hazard	Any activity which involves movement around the laboratory	Place all bags and coats in lockers provided.	1	1	1	L	
Stools	Trip Hazard	Any activity which involves movement around the laboratory	All stools to be stacked and placed at the back / sides of the lab to ensure no obstructions	1	1	1	L	
Sulphuric acid	Corrosive and Irritant, splash to the eyes/skin irritation.	Pouring, mixing and measuring.	The wearing of safety goggles is mandatory at all times during practical activities in the laboratory. Concentrations of less than 2moldm ⁻³ will be used which is an irritant but not corrosive. Any splashes to skin should be washed off.	2	1	2	L	
Potassium dichromate(VI)	Toxic/Irritant Splash to the eyes/skin irritation.	Pouring, mixing and measuring.	Concentration is kept below 0.2moldm ⁻³ in the liquid state which is less toxic. The wearing of safety goggles is mandatory at all times during practical activities and gloves will be made available to avoid skin contact. Any splashes to skin should be washed off.	2	1	2	L	
Iron(II) salt	Harmful/Irritant May cause irritation to the eyes	Weighing and mixing	Small amounts will be weighed out. The wearing of safety goggles is mandatory at all times during practical activities in the laboratory.	1	1	1	L	

Type & Source Of		Type Of Activity In	Control Measures		Risk			Any Further Control
Hazard Risk		Which Risks May Arise		R L	Ratir L S		M H	Measures Required
N-phenylanthranilic acid	Irritant to skin/eyes	Measuring and mixing	Used as an indicator so only small amounts required. The wearing of safety goggles is mandatory at all times during practical activities in the laboratory	1	1	1	L	
Glass Pipettes	Cuts	Attaching pipette fillers to pipette	Good technique is important, ensure the pipette is held as close to the top as possible when attaching pipette filler	2	2	4	L	
General Glassware	Cuts	Handling	Ensure good technique is used, take care when handling glassware to avoid any breakages.	2	2	4	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)	Samantha Oxley	Position :	Chemistry Lecturer
Date of Assessment :	28 th September 2009		
Signed :			

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

MAS_RA_template Revision level 4 24-Feb-09