

# Science Practical Risk Assessment

<b>School of Maths &amp; Science</b>	<b>Practical Activity Title</b>	<b>Finding the formula of Magnesium Oxide</b> (MAS_SP_2003_finding_the_formula_of_magnesium_oxide)		<b>Risk Assessment No.</b> MAS_RA_2003_finding_the_formul a_of_magnesium_oxide	
Location	<b>Chemistry Labs. NB236 / 237</b>			<b>Revision level: 1</b>	
Assessment Performed By	<b>Samantha Oxley</b>	Signature:		Date:	<b>23 Sep 2009</b>
Supported By	<b>Gareth John</b>	Signature:		Date:	<b>23 Sep 2009</b>
Approved By	<b>Kelly Gay (H.o.S.)</b>	Signature:		Date:	<b>23 Sep 2009</b>
Date of Re-assessment (if necessary)	<b>Re-assess if any changes to procedure or equipment / chemicals are made.</b>				

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 and coats	Trip Hazard	Any activity which involves movement around the laboratory	Place all bags and coats etc in lockers provided	1	1	1	1	
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	
Magnesium ribbon	Flammable	Burning Magnesium ribbon using a Bunsen Burner.	Ensure good technique is used, the wearing of safety goggles and a laboratory coat is mandatory during activities. Small quantities used.	2	2	4	L	
Magnesium Oxide	Irritant	Weighing powder on balance	Ensure good technique is used, the wearing of safety goggles and a laboratory coat is mandatory during activities	1	1	1	L	
Bunsen Burner	Burns	heating magnesium using a Bunsen Flame	Ensure good technique is used, the wearing of safety goggles and a laboratory coat is mandatory during practical activities.	2	2	4	L	

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		
Crucible	Burns	Heating Crucible using Bunsen Burner	Tongs will be used to lift crucible lid to ensure that students do not burn hands.	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)	<b>Samantha Oxley</b>	Position :	<b>Chemistry Lecturer</b>
Date of Assessment :	<b>23<sup>rd</sup> September 2009</b>		
Signed :			

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