

Science Practical Risk Assessment

School of Maths & Science	Practical Activity Title	Preparation of Iodoform (MAS_SP_2010_preparation_of_iodoform)		Risk Assessment No. MAS_RA_2010_preparation_of_iodoform	
Location	Chemistry Labs. NB236 / 237			Revision level: 1	
Assessment Performed By	Jonathan Hughes	Signature:		Date:	23 Sep 2009
Supported By	Gareth John	Signature:		Date:	23 Sep 2009
Approved By	Kelly Gay (H.o.S.)	Signature:		Date:	23 Sep 2009
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	
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	
IDA Ethanol	Harmful	Any practical activity which involves bench manipulation.	Wear lab coats and safety goggles and wash any skin affected with water.	1	1	1	L	
Propanone	Irritant	Any practical activity which involves bench manipulation.	Wear lab coats and goggles and wash areas of skin with water.	1	1	1	L	
Sodium hydroxide 2M	Corrosive	Any practical activity involving bench manipulation.	Wear lab coats and goggles and wash areas of skin with water. Use in the fume cupboard.	1	1	1	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		
Iodine solution	Harmful	Any activity involving bench manipulation	Wear lab coats and goggles. Wash areas of skin with water.	1	1	1	L	
Glass Wear	Cuts	Handling	Ensure good technique is used. Take care when handling glassware to avoid any breakages.	2	2	4	L	
Oven	Burns	Using Oven	Take care when opening and removing items from oven	1	1	1	L	
Suction Filtration	Explosion	Using Buchner flask under Suction filtration	Always wear safety goggles and lab coat when performing operation	1	1	1	L	
Iodoform	irritant	Using glassware	Wear Safety goggles and lab coat when carrying out synthesis	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)	Jonathan Hughes	Position :	Chemistry Lecturer
Date of Assessment :	23rd September		
Signed :			

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