

Laboratory Risk Assessment

School of Physics

The University of New South Wales

Laboratory _____

Experiment or Procedure

Completed by:

Date:

Signature:

Approved by:

These hazards exist

- | | | | |
|-------------------------------------|---|---|---|
| <input type="checkbox"/> Chemical | <input type="checkbox"/> Radiation | <input type="checkbox"/> Hot equipment/liquids/flames | <input type="checkbox"/> Moving objects |
| <input type="checkbox"/> Electrical | <input type="checkbox"/> UV/X-Ray/Laser | <input type="checkbox"/> Compressed gas | <input type="checkbox"/> Heavy objects |
| <input type="checkbox"/> Biological | <input type="checkbox"/> Cryogenic | <input type="checkbox"/> Vacuum | <input type="checkbox"/> Sharps |

Other hazards _____

Identify		Assess	Risk Rating without controls			Control	Risk Rating with controls		
These hazards are important	Quantity and % conc.	Why they are important What harm can come of this When using chemicals read the MSDS	use UNSW Risk Rating			How to avoid them	use UNSW Risk Rating		
			consequence	likelihood	rating		consequence	likelihood	rating

To help me prepare for an emergency I may need

- | | | | |
|--|------------------------------------|--|---|
| <input type="checkbox"/> First Aid | <input type="checkbox"/> CPR | <input type="checkbox"/> Signs | <input type="checkbox"/> MSDS |
| <input type="checkbox"/> Fire Extinguisher | <input type="checkbox"/> Spill kit | <input type="checkbox"/> Evacuation procedures | <input type="checkbox"/> Australian Standards |
| | | | <input type="checkbox"/> Personal Protection |

Other _____

Emergency contact numbers could be needed for _____

Emergency phone numbers are posted where? _____

My procedure generates the following waste

- | | |
|---------------------------------------|---------------------------------|
| <input type="checkbox"/> Chemical | <input type="checkbox"/> Sharps |
| <input type="checkbox"/> Biological | <input type="checkbox"/> Gloves |
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Other |
| <input type="checkbox"/> Carcinogenic | _____ |

I will dispose of this waste by

Over-all risk assessment

- Insignificant
- Significant and effectively controlled
- Significant and not readily controlled

Comments

Alternatives that would make this procedure safer