



LOCATION DETAILS

School/Branch: School of Molecular & Biomedical Science

SAFE OPERATING PROCEDURE DETAILS

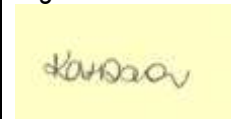
Preparing 2M Potassium Hydroxide Solution

Date Prepared:
02/02/2010

PREPARED BY: Name, position, & Signature (insert names of supervisor, HSO, subject matter expert)

Kate Dixon – School Health & Safety Officer
Yuan Li/Timmis Group – Subject Matter Expert

Signature:



RISK ASSESSMENT

Has a risk assessment been completed and all other environmental considerations been made?

See risk assessment dated:
02/02/2010

Risk Rating:
Low
Medium
High
Very High

YES

RISKS IDENTIFIED

- Severe acute reaction to exposure
- Possible cumulative effects from exposure
- Chemical reaction

SAFETY PRECAUTIONS

The following control measures **MUST** be adhered to:

- ALWAYS add material to water, not water to material
- Personal Protective Equipment must be worn at all times
- Do not store with acids
- Avoid contact with copper/aluminium
- Training in Chemical management must be conducted prior to use
- Use in a well ventilated area
- Safety showers and eye wash stations must be accessible

PERSONAL PROTECTIVE EQUIPMENT REQUIRED

The following PPE must be worn at all times:

- Appropriate gloves for the task
- Full length lab coat
- Safety glasses/goggles

SAFE OPERATING PROCEDURE

1. Put on personal protective equipment.
2. Take a 50ml Falcon Tube from the pack and sit it in a rack.
3. Add MQ water to 20ml.

4. Weigh 2.25g of Potassium Hydroxide into the falcon tube using a metal spatula.
5. Mix well.

OTHER INFORMATION

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ADMINISTRATION

Note: This Safe Operating Procedure must be reviewed :

- a) after any accident, incident or near miss;
- b) when training new staff;
- c) if adopted by new work group;
- d) if equipment, substances or processes change; or
- e) within 5 years of date of issue.