

SAMPLE RISK ASSESSMENT (inc COSHH)

The Costly Battery – For demonstration/class activity



Specific

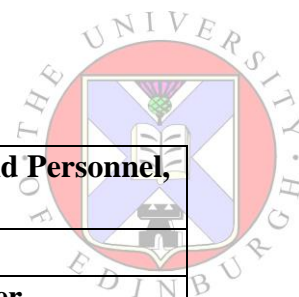
Generic

Please tick

Date: 02/04/15

Attach additional sheets if required at any section.

| | | |
|---|------------------------|-------------------|
| Substances Involved and Hazards Identified: e.g. Biological*; Radioactive*; Toxic, Explosive, Inflammable, Carcinogenic | | |
| Substance | Hazard | |
| Sodium Chloride | No significant hazard. | |
| Aluminium Foil | No significant hazard. | |
| Equipment used & Hazards Identified (Please Tick) | | |
| Apparatus ✓ | Cryogenic | Electrical |
| Scheme of Work/Procedure Pieces of filter paper are soaked in the salt solution. A stack with layers of 2p, soaked paper, foil, soaked paper, 2p, soaked paper, foil, etc. is formed. Each wire of the voltmeter is attached to either end of the stack. A small voltage is produced. | | |



| | |
|---|------------------|
| Particular Control/Safety Measures to be Adopted: Both Engineering and Personnel, e.g. Fume Cupboard, Gloves, Blast screen | |
| Safety goggles, lab coat | |
| EMERGENCY PROCEDURES (a) Spillage (b) Fire (c) Other a) Wipe up and rinse affected area b) In case of fire, extinguish with either powder, CO ₂ or Foam extinguisher | |
| First Aid Treatment In case of contact, immediately flush eyes or skin with copious amounts of water. If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. | |
| Waste Disposal Procedures Wash down sink with plenty of water | |
| Information Sources Material Safety Data Sheets | |
| Name of Assessor | Signature |