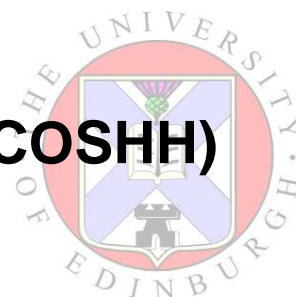


SAMPLE RISK ASSESSMENT (inc COSHH)

Hot and Cold – For Demonstration/Class Activity



Specific

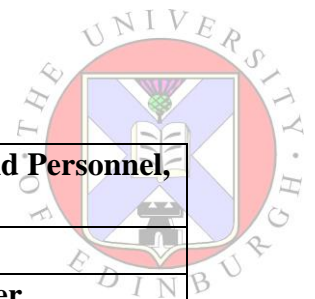
Generic

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	
Calcium Chloride	Irritating to skin, eyes and respiratory tract. Harmful if swallowed or inhaled.	
Ammonium Nitrate	Strong oxidiser - contact with combustible material may cause fire. Harmful if swallowed or inhaled. Eye, skin and respiratory irritant.	
Equipment used & Hazards Identified (Please Tick)		
Apparatus ✓	Cryogenic	Electrical
Scheme of Work/Procedure A beaker is filled with water (100 ml) and the temperature is measured. 3 spoonfuls of calcium chloride are added, the mixture is stirred and the temperature is measured again (temperature increases). A second beaker is filled with water (100 ml) and the temperature is measured. 3 spoonfuls of ammonium nitrate are added, the mixture is stirred and the temperature is measured again (temperature decreases).		



Particular Control/Safety Measures to be Adopted: Both Engineering and Personnel, e.g. Fume Cupboard, Gloves, Blast screen	
Safety goggles, lab coat, gloves	
EMERGENCY PROCEDURES (a) Spillage (b) Fire (c) Other a) Clean with plenty water b) Extinguishfire with equipment appropriate to the nature.	
First Aid Treatment In case of contact, immediately flush eyes or skin with copious amounts of water.	
Waste Disposal Procedures Domestic waste/sink with plenty water	
Information Sources Material Safety Data Sheets	
Name of Assessor	Signature