

SAMPLE RISK ASSESSMENT (inc COSHH)

Cobalt Chloride Thermometer – For demonstration/class activity

Specific

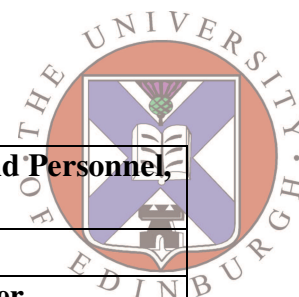
Generic

Please tick

Date: 25/09/06

Attach additional sheets if required at any section.

Substances Involved and Hazards Identified: e.g. Biological*; Radioactive*; Toxic, Explosive, Inflammable, Carcinogenic		
Substance	Hazard	
Ethanol	Flammable. May be harmful by inhalation, ingestion or skin absorption. May act as an irritant.	
Cobalt chloride	Causes eye, skin and respiratory tract irritation. Causes irritation.	
Equipment used & Hazards Identified (Please Tick)		
Apparatus ✓	Cryogenic	Electrical
Scheme of Work/Procedure Cobalt chloride and ethanol are placed in a large boiling tube. This can then be sealed for use over and over again. The boiling tube is placed into a beaker of cold water (solution is pink). It is then placed in a beaker of hot water (care to avoid spilling hot water! Solution is blue).		
Overnight permit required <input type="checkbox"/>		



**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) Wipe up and rinse affected area

b) In case of fire, extinguish with either powder, CO₂ 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 or store test tube and re-use.

Information Sources

Material Safety Data Sheets

Name of Assessor

Signature