

SAMPLE RISK ASSESSMENT (inc COSHH)



Disappearing Solution – For demonstration/class activity

Specific

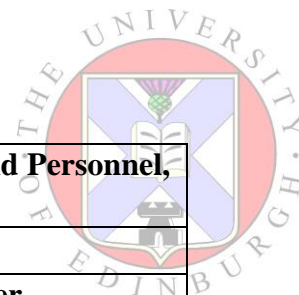
Generic

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	
20 % Sulphuric Acid	Toxic, corrosive	
Iron(II) Sulphate	Harmful if swallowed	
Lauth's Violet (thionin)	May be harmful by inhalation, ingestion or through skin absorption. Toxicology not fully investigated.	
Equipment used & Hazards Identified (Please Tick)		
Apparatus ✓	Cryogenic	Electrical
Scheme of Work/Procedure		
2 g Iron(II) Sulphate, 10 ml 20 % Sulphuric acid and a few drops of thionin solution are mixed with 500 ml water in a jar. A 300 W light is shone on the jar to make the solution turn from blue to clear.		



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, 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