

# SAMPLE RISK ASSESSMENT (inc COSHH)

**Disappearing Solution – For demonstration/class activity**

Specific

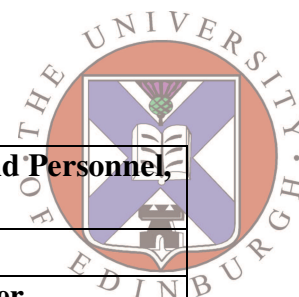
Generic

Please tick

Date: 25/09/06

Attach additional sheets if required at any section.

<b>Substances Involved and Hazards Identified: e.g. Biological*; Radioactive*; Toxic, Explosive, Inflammable, Carcinogenic</b>		
<b>Substance</b>	<b>Hazard</b>	
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.	
<b>Equipment used &amp; Hazards Identified (Please Tick)</b>		
<b>Apparatus</b> ✓	<b>Cryogenic</b>	<b>Electrical</b>
<b>Scheme of Work/Procedure</b> 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.		



<b>Particular Control/Safety Measures to be Adopted: Both Engineering and Personnel, e.g. Fume Cupboard, Gloves, Blast screen</b>	
Safety goggles, lab coat, gloves.	
<b>EMERGENCY PROCEDURES (a) Spillage (b) Fire (c) Other</b> a) Wipe up and rinse affected area b) In case of fire, extinguish with either powder, CO <sub>2</sub> or Foam extinguisher	
<b>First Aid Treatment</b> 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.	
<b>Waste Disposal Procedures</b> Wash down sink with plenty of water	
<b>Information Sources</b> Material Safety Data Sheets	
<b>Name of Assessor</b>	<b>Signature</b>