

SAMPLE RISK ASSESSMENT (inc COSHH)



Indigo Carmine – 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
Glucose	Presents no serious risk.
Sodium Hydroxide	Corrosive, may cause burns, harmful by ingestion, skin contact or by inhalation of dust.
Indigo Carmine	Harmful if swallowed, inhaled or absorbed through the skin.

Equipment used & Hazards Identified (Please Tick)

Apparatus	Cryogenic	Electrical
✓		

Scheme of Work/Procedure

Solutions of Glucose (14 g) in water (700 ml), Sodium Hydroxide (NaOH (6 g) in water (200 ml)) and indigo carmine (enough to make 5 ml of intensely blue solution) are made up. 70 ml of the Glucose solution and 20 ml of the Sodium Hydroxide (NaOH) solution are measured into the jar. Drops of the indigo carmine solution are added until a light green colour is produced. The jar is left to stand for a few minutes (turns from green to yellow through red). Once the colour change has stopped (yellow), the jar is given good shake (one shake goes red, second shake goes green).



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) Extinguish fire with media appropriate to it's nature	
First Aid Treatment In case of contact, immediately flush eyes or skin with copious amounts of water.	
Waste Disposal Procedures Wash down sink.	
Information Sources Material Safety Data Sheets	
Name of Assessor	Signature