

Risk Assessment Form

(This is an active document and must be maintained)



Materials Science and Metallurgy

Date: 26th November 2018

Supervisor of Room/Area: **Prof. Serena Best & Prof. Ruth Cameron**

Room or area: **2_014 (CCMM main lab)**
(Describe location)

Name of Assessor(s): **Wayne Skelton-Hough**

Title of Activity / Experiment / Work Area:

Sample and chemical storage in laboratory fridges and freezers

Description of Activity / Experiment / Work Area:

Using the fridges and freezers in the CCMM laboratories to store samples and chemicals.

SECTION 1: Identify all significant hazards, who or what may be affected by each individual hazard and controls in place to reduce risk to a minimum.

Hazard Description	Hazard to whom or what	Controls in place to reduce risk to a minimum
Electricity	Operator	<ul style="list-style-type: none">Inspect all electrical equipment and power cables before use and do not use any equipment that shows any signs of damage.Ensure electrical equipment carries an up to date PAT label before using it.DO NOT switch on any electrical equipment that gets wet.
Flammable/explosive chemicals	All laboratory users	<ul style="list-style-type: none">Ensure that flammable or explosive samples or chemicals ARE ONLY stored in the groups spark free fridges and freezers.All non-spark free fridges and freezers to be clearly labeled stating that NO flammable or explosive chemicals or samples are to be placed in them.All people working in the CCMM laboratories to be instructed about not placing flammable or explosive samples or chemicals in non-spark free fridges and freezers as part of their laboratory induction.

Cold	Operator	<ul style="list-style-type: none"> • Avoid prolonged contact with samples or chemicals taken from any freezer. • Thermal gloves available for handling cold samples.
Unknown chemicals	Operator	<ul style="list-style-type: none"> • Ensure that ALL samples placed in any fridges or freezers are clearly labelled with their contents in accordance with the rules laid down in the departmental safety book.
Spilled liquid	All laboratory users	<ul style="list-style-type: none"> • Clean up any spills immediately following instructions on the appropriate COSHH form. • When defrosting the fridge or freezer monitor the area around the fridge or freezer and clear up excessive water regularly during the defrost cycle.

SECTION 2: Emergency **Procedures**

In the event of evacuation, the fridges and freezers may safely be left unattended. In order to shut down, switch off at the mains.

Signature of Assessor(s)		Date:
Signature of Supervisor		Date:

SECTION 3: Review - This assessment must be reviewed every 12 months or earlier if the basis of the original assessment is altered.

Review Date	Reviewed by (Signature)

Review Date	Reviewed by (Signature)

Change log

Change	Date	Updated by	Description
1	26/11/2018	W. Skelton-Hough	Document issued.