***Task Risk Assessment‑Word Document***



Printed By: Wendy Armstrong

**Intracampus transport of mounted TEM sample** (insert name of sample here)**.**

**Name:**

**Task/Process ID:**

**Task/Process Details**

**35508**

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**Author:**

**Supervisor:**

**Last Updated By:**

------------------------------- On --/--/201-

**Effective Risk Level:**

**Low**

**Action:**

Risk is normally acceptable

**Campus:**

**Faculty/Division:**

**School/Centre:**

**Workplace:**

St Lucia

Fac ‑ Science

St Lucia Campus CMM Labs

Approval Date:

**Workplace Location of the Task/Process**

**Status: Approved**

Samples (<0.1g) mounted on small copper discs (~4mm diameter) are transported to the CMM and placed in the TEM.

**Process\Job Desc:**

**Exposure to sample**

**Risk Situation:**

**Current Controls:**

See chemical risk assessment.

Chemical

**Energy Source:**

Person comes in contact with sample.

**Hazard Event:**

Single contact with chemical or substance

**Incident Category:**

**Prepared By:**

**Assessment Date:**

04/07/2012

***Risk Analysis***

**Consequence:**

Minor

**Rationale:**

No injury is likely on exposure to sample.

**Exposure:**

**Rationale:**

Occasional

Individuals transport samples to CMM labs approximately once per week.

**Probability:**

**Rationale:**

Practically impossible

It would be practically impossible for an individual to require first aid treatment.

**Risk Level:**

**Low**

**Action:**

**Risk is normally acceptable**

No Additional Controls

**Risks Associated with this Task/Process or Situation**

**Audited By:**

**Audit Date:**

--/--/201-

Centre for Microscopy and Microanalysis (CMM)

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**Chemical Risk Assessment Details**

**Substances: (2)**

**Substance Name:**

**Form:**

**Concentration:**

**Hazardous Substance:**

**UN Number:**

**DG Class:**

**No**

Solid

Not classified as a Dangerous Good

**SAMPLE: ---------------------------------------------**

100%

Very small volume sample <1g. No route of exposure likely. Sample stored in lab of origin.

**Storage Location:**

**Health Effects**

**Hazardous Reactions**

**Route of Exposure**

**Evidence of Exposure**

NIL:

NIL:

NIL:

NIL:

**Yes**

**Yes**

**Yes**

**Yes**

Irritant:

**No**

Explosive:

**No**

Inhalation:

**No**

Presence of dusts/fumes/odours:

**No**

Corrosive:

**No**

Flammable:

**No**

Skin absorption:

**No**

Leaks/spills/residues:

**No**

Sensitiser:

**No**

Peroxide forming chemicals:

**No**

Eye contact:

**No**

Worker symptoms and complaints:

**No**

Asphyxiant:

**No**

Water reactive:

**No**

Ingestion:

**No**

Previous incidents and exposures:

**No**

Toxic:

**No**

Oxidising agents:

**No**

Needlestick:

**No**

Neighbouring activities impact:

**No**

Carcinogenic:

**No**

Cryogenic:

**No**

Mutagenic:

**No**

Pyrophoric:

**No**

Teratogenic:

**No**

Cytotoxic:

**No**

Neurotoxic:

**No**

Reproductive:

**No**

**Substance Name:**

**Form:**

**Concentration:**

**Hazardous Substance:**

**UN Number:**

**DG Class:**

**Yes**

Solid

Not classified as a Dangerous Good

**Copper cw#10072**

100%

Very small volume <1g. No route of exposure likely.

**Storage Location:**

**Health Effects**

**Hazardous Reactions**

**Route of Exposure**

**Evidence of Exposure**

NIL:

NIL:

NIL:

NIL:

**Yes**

**No**

**Yes**

**Yes**

Irritant:

**No**

Explosive:

**No**

Inhalation:

**No**

Presence of dusts/fumes/odours:

**No**

Corrosive:

**No**

Flammable:

**No**

Skin absorption:

**No**

Leaks/spills/residues:

**No**

Sensitiser:

**No**

Peroxide forming chemicals:

**No**

Eye contact:

**No**

Worker symptoms and complaints:

**No**

Asphyxiant:

**No**

Water reactive:

**No**

Ingestion:

**No**

Previous incidents and exposures:

**No**

Toxic:

**Yes**

Oxidising agents:

**No**

Needlestick:

**No**

Neighbouring activities impact:

**No**

Carcinogenic:

**No**

Cryogenic:

**No**

Mutagenic:

**No**

Pyrophoric:

**No**

Teratogenic:

**No**

Cytotoxic:

**No**

Neurotoxic:

**No**

Reproductive:

**No**

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**Risk Control**

**Elimination/Substitution:**

The transport of mounted TEM samples is necessary in order to view these samples in the TEM and elimination or substitution is not possible.

Isolation/containment: Transportation in sealed plastic containers recommended for maintaining samples.

**Engineering Controls:**

Effective and maintained well

**Effectiveness:**

Written emergency procedures: Risk assessment containing spill procedures available in lab. Good housekeeping practices: Clean up "spills" immediately. Good personal hygiene practices: Wash hands thoroughly before leaving lab. Supervision: All clients supervised by staff until competent.

**Administrative Controls:**

Effective and maintained well

**Effectiveness:**

 UQ on‑line OHS induction required. Lab specific OHS induction required.

**Training Controls:**

Effective and maintained well

**Effectiveness:**

Gloves: Nitrile or latex gloves recommended for sample protection from contamination if direct contact with sample is likely.

**PPE Controls:**

Effective and maintained well

**Effectiveness:**

**Waste Disposal:**

Waste not usually generated. Discarded samples to be disposed of in clinical waste stream. Spills: Collect / pick up (use forceps). Wear PPE if direct contact possible.

**Storage Incompatibilities:**

None

**Safety Instructions:**

First aid generally not required. Treat symptomatically.

**Risk Determination**

**Health Surveillance Req:**

**Air Monitoring:**

**Exposure Frequency:**

**Risk Level:**

No

**Not Significant**

Unusual

No

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