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



Printed By: Wendy Armstrong

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

**Name:**

**Task/Process ID:**

**Task/Process Details**

Based on **3657**

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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

CMM Labs St Lucia Campus

Approval Date:

**Workplace Location of the Task/Process**

**Status: Approved**

Samples are processed in lab of origin and mounted on standard SEM stubs before transport to CMM laboratories for further analysis. Clients ‑ please use this assessment as a guide for your sample. Include your samples properties and modify the assessment where appropriate.

**Process\Job Desc:**

**Exposure to Sample**

**Risk Situation:**

**Current Controls:**

See Chemical Risk Assessment.

Chemical

**Energy Source:**

Person contacts sample.

**Hazard Event:**

Single contact with chemical or substance

**Incident Category:**

**Prepared By:**

**Assessment Date:**

03/07/2012

***Risk Analysis***

**Consequence:**

Minor

**Rationale:**

No injury is likely from short term contact with sample.

**Exposure:**

**Rationale:**

Occasional

Individuals transport sample to CMM labs approximately once per week on average.

**Probability:**

**Rationale:**

Conceivable

No exposure to samples has resulted in injuries but it is conceivable.

**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: (6)**

**Substance Name:**

**Form:**

**Concentration:**

**Hazardous Substance:**

**UN Number:**

**DG Class:**

**Yes**

Solid

Not classified as a Dangerous Good

**super glue cw# 90335**

100%

Polymerized form. Small volume on sample.

**Storage Location:**

**Health Effects**

**Hazardous Reactions**

**Route of Exposure**

**Evidence of Exposure**

NIL:

NIL:

NIL:

NIL:

**Yes**

**No**

**Yes**

**Yes**

Irritant:

**Yes**

Explosive:

**No**

Inhalation:

**No**

Presence of dusts/fumes/odours:

**No**

Corrosive:

**No**

Flammable:

**No**

Skin absorption:

**No**

Leaks/spills/residues:

**No**

Sensitiser:

**Yes**

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

**5 minute araldite Resin cw# 4522‑36**

50%

Polymerized form. Small volume on sample.

**Storage Location:**

**Health Effects**

**Hazardous Reactions**

**Route of Exposure**

**Evidence of Exposure**

NIL:

NIL:

NIL:

NIL:

**Yes**

**No**

**Yes**

**No**

Irritant:

**No**

Explosive:

**No**

Inhalation:

**No**

Presence of dusts/fumes/odours:

**No**

Corrosive:

**No**

Flammable:

**Yes**

Skin absorption:

**No**

Leaks/spills/residues:

**No**

Sensitiser:

**Yes**

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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**Substance Name:**

**Form:**

**Concentration:**

**Hazardous Substance:**

**UN Number:**

**DG Class:**

**Yes**

Solid

Not classified as a Dangerous Good

**5 minute araldite Hardener cw# 4525‑88**

50%

Polymerized form. Small volume on sample.

**Storage Location:**

**Health Effects**

**Hazardous Reactions**

**Route of Exposure**

**Evidence of Exposure**

NIL:

NIL:

NIL:

NIL:

**Yes**

**No**

**Yes**

**No**

Irritant:

**Yes**

Explosive:

**No**

Inhalation:

**No**

Presence of dusts/fumes/odours:

**No**

Corrosive:

**No**

Flammable:

**Yes**

Skin absorption:

**No**

Leaks/spills/residues:

**No**

Sensitiser:

**Yes**

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**

**Substance Name:**

**Form:**

**Concentration:**

**Hazardous Substance:**

**UN Number:**

**DG Class:**

**No**

Solid

Not classified as a Dangerous Good

**Dry conductive carbon paint: Graphite cw# 10065**

100%

Solid form. Small volume on sample.

**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:**

**No**

Solid

Not classified as a Dangerous Good

**Dry "Silver liquid":Silver cw#22614**

100%

Solid form. Small volume on sample.

**Storage Location:**

**Health Effects**

**Hazardous Reactions**

**Route of Exposure**

**Evidence of Exposure**

NIL:

NIL:

NIL:

NIL:

**Yes**

**Yes**

**Yes**

**Yes**

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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:**

**No**

Solid

Not classified as a Dangerous Good

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

100%

Sample stored in lab of origin. Small volume.

**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**

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**Risk Control**

**Elimination/Substitution:**

The transport of mounted SEM samples is necessary in order to view these samples in the SEM 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: All work areas to be cleaned after use. All spills to be cleaned up immediately. Good personal hygiene practices: Through washing of hands 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. One on one training in use of chemicals before allowed to use facilities.

**Training Controls:**

Effective and maintained well

**Effectiveness:**

Gloves: Nitrile or latex gloves recommended for sample protection from contamination.

**PPE Controls:**

Effective and maintained well

**Effectiveness:**

**Waste Disposal:**

Waste not usually generated. Spills: Collect and return to original or similar container. Dispose of unwanted material in clinical waste stream. Sweep up debris and dispose in clinical waste steam. Wear PPE if direct contact possible. Recycle stubs.

**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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