

Task/Process Details

Task/Process ID: 29847

Name: Use of Xylene

Effective Risk Level: Low

Action: Risk is normally acceptable

Author: Darryl Whitehead

Last Updated By: Steve Moss On 26/09/2012 8:57:03AM

Audited By:

Audit Date:

Workplace Location of the Task/Process

Campus: St Lucia

Faculty/Division: Fac - Medicine and Biomedical Sciences

School/Centre: School of Biomedical Sciences (SBMS)

Workplace: MacGregor Building Room 126

Supervisor: Steve Moss

Status: Approved

Approval Date: 26/09/2012

Risks Associated with this Task/Process or Situation

Risk Situation: inhalation

Process/Job Desc: Pouring of xylene and clearing tissues with xylene baths

Pregnancy Risk: Yes

Training Required: Yes

Energy Source: Chemical

Current Controls: Always measure, pour and clear with xylene inside a fume cupboard with shield in place
Lower drop door to an appropriate level
Always wear gloves, safety glasses, and a lab coat when using or pouring xylene

Hazard Event: Inhalation, or contact with exposed areas of body

Incident Category: Other contact with chemical or substance

Assessment Date: 18/09/2012

Risk Analysis

Consequence: Minor

Rationale: Chemical exposure or inhalation

Exposure: Frequent

Rationale: Continued usage during histochemical staining

Probability: Unusual but possible

Rationale: Maintain xylene within the fume cupboard at all times and always use standard protective gear - gloves, lab coat and glasses

Risk Level: Low

Action: Risk is normally acceptable

No Additional Controls

Chemical Risk Assessment Details

Substances: (1)

Substance Name: xylene

UN Number: 1307

Form: Liquid

Concentration: 100

DG Class: 3 - Flammable liquid

Hazardous Substance: Yes

Storage Location: metal chemical cabinets with like chemicals

Health Effects	Hazardous Reactions	Route of Exposure	Evidence of Exposure
NIL: Yes	NIL: No	NIL: No	NIL: No
Irritant: No	Explosive: Yes	Inhalation: Yes	Presence of dusts/fumes/odours: No
Corrosive: No	Flammable: Yes	Skin absorption: Yes	Leaks/spills/residues: Yes
Sensitiser: No	Peroxide forming chemicals: No	Eye contact: Yes	Worker symptoms and complaints: No
Asphyxiant: No	Water reactive: No	Ingestion: Yes	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			

Risk Control

Elimination/Substitution: Cannot be avoided within the histology lab

Engineering Controls: Fume cupboard: Local exhaust ventilation:

Effectiveness: Not effective

Administrative Controls: Written safe working procedure: Written emergency procedures: Good housekeeping practices: Good personal hygiene practices: Training (job specific / general OHS induction): Supervision:

Effectiveness: Effective and maintained well

Training Controls:

Effectiveness: Effective and maintained well

PPE Controls: Gloves: Eye protection: Coat/apron: Footwear:

Effectiveness: Effective and maintained well

Waste Disposal: Appropriate chem waste orders and removal in specified waste container

Storage Incompatibilities: Ethanol, Acids

Safety Instructions: Contact safety officer

Risk Determination

Exposure Frequency: Frequent

Risk Level: Significant but controlled

Air Monitoring: No

Health Surveillance Req: Yes

Schedule 10: No

Carcinogen Authority No:

Task Readers:

Reader	Date Read
Benson, Melissa (uqmbens1)	09/11/2012
Dorey, Emily (uqedogre)	12/12/2012
Gamage, Niranjali (uqngama1)	01/11/2012
Gardebjer, Emelie (s4213276)	13/11/2013
Gauthier, Arnault (s4220501)	18/03/2013
Giuliani, Kurt (s4267074)	24/03/2014
Hayashi, Satomi (uqshayas)	10/09/2013
Jindrich, Katia (uqkjindr)	01/11/2013
Kalisch-Smith, Jacinta (s4177219)	03/12/2012
Loh, Joanne (s4252260)	13/12/2012
Mitchell, Justin (uqjmitc5)	14/11/2012
Mu, Erica (uqemu)	24/07/2014
Rogers, Matthew (s4205023)	29/02/2012
Samuelowicz-Foster, Alexander (s4121439)	26/09/2012
Shelat, Kinnari (uqkshela)	24/07/2013
Soden, Jess (uqjsoden)	14/11/2012
Sung, Chia-Hsuan (s4062505)	27/09/2013
Tollenaere, Alina (uqacrai2)	10/09/2013
Tongol, Tracy (s4285707)	16/11/2012
van Hameren, Bethany (s4176991)	04/09/2013
Walton, Sarah (s4206595)	23/05/2013
Zavortink, Michael (uqmzavor)	15/11/2012

No Training Specified