

OHS RISK ASSESSMENT AND CONTROL FORMRisk Assessment Completed by:
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RMSS Number:

Initial Issue Date:

10th December 2009

Current Version:

1

Current Version Date:

10/12/2009

Next Review Date:

10th December 2014

Risk Assessment Title:

DEWAR FLASKS

Step 1: Identify the activity

Describe the activity:

Using dewar flasks in the course of laboratory work/study

Describe the location:

Primarily in G.22 where liquid nitrogen is stored, however; the dewars may be used to move liquid nitrogen to other areas around the building.

Step 2: Identify who may be at risk by the activity

Staff and students who use the dewar flasks. Other persons in the vicinity of dewar flasks when stored or being moved around the building.

Step 3: Identify the hazards, risks, and rate the risks

- Using the following table, identify the risks and hazards associated with the particular plant, chemical or process.
- List existing controls and determine a risk rating using MBS Risk Rating Procedure.
- Additional risk controls may be required to achieve an acceptable level of risk. Re-rate the risk if additional controls are required.

C: Consequence

L: Likelihood

R: Rating L - VH

Hazards	Associated Risks	Risk Rating with current controls:			Controls	Risk Rating with Additional Controls:		
		C	L	R		C	L	R
Extreme Cold	Severe burns (either direct contact or vapour)/soft tissue damage.	M (Major)	R (Rare)	M (Medium)	SOPs for working with liquid nitrogen must be followed at all times. No person may handle liquid nitrogen/dewar flasks without being trained in its safe operating procedures.			
Manual Handling	Musculoskeletal injury from moving heavy dewars.	M (Moderate)	R (Rare)	L (Low)	SOPs for working with liquid nitrogen must be followed at all times. No person may handle liquid nitrogen/dewar flasks without being trained in its safe operating procedures. Large dewar flasks will be on castor wheels to prevent the requirement to lift heavy flasks. Where possible, use a tipper dewar.			
Oxygen Level	Asphyxia - level of oxygen in the atmosphere can decrease rapidly.	S (Severe)	R (Rare)	M (Medium)	SOPs for working with liquid nitrogen must be followed at all times. No person may handle liquid nitrogen/dewar flasks without being trained in its safe operating procedures. SOP for moving and transporting liquid nitrogen must also be followed.			

Step 4: Documentation and initial approval:

Completed by: Kate Dixon	Signed: Kate Dixon	Subject Matter Expert: John Mackrill	Date: 10th December 2009
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Step 5: Implement the controls/any additional controls identified

Indicate briefly any additional controls that have been implemented, when and by whom.

Risk Control:	Date:	Implemented by:
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Risk Control:	Date:	Implemented by:
Risk Control:	Date:	Implemented by:

Step 6: Monitor and review the risk controls

It is important to monitor risk controls and review risk assessments regularly. Review is required when there is a change in the process, relevant legal changes, and where a cause for concern has arisen. If the risk assessment has substantially changed, a new risk assessment is warranted.

Review Date:	Reviewed by:	Authorised by:
Review Date:	Reviewed by:	Authorised by:
Review Date:	Reviewed by:	Authorised by:
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Review Date:	Reviewed by:	Authorised by:

Step 7: Add to Hazard Register

If the identified risk is medium or above after controls have been implemented, the Activity should be signed of by the Head of School and then transferred to the Hazard Register.

Date entered onto Hazard Register:	Head of School Signature:
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