University of Wollongong

Safe Work Procedure

Process/Equipment: Use of Freeze-drier	**Location :** 18.111A	
Procedure Developed by : Peter Hains	**Approved by :** Peter Hains	**Date : 08/02/05**
Referenced UOW Guidelines, legislation, codes of practice, Australian Standards etc:		
Personal Protective Equipment Required (*Check the box for required PPE*) : ☒ ☐ ☐ ☐ ☐ ☐ ☒ ☐ ☒ ☐ ☐ ☐ ☐ ☒ ☐ ☐ ☐		

Activity *(Steps in the process/task)*	**Hazards Identified** *(What could cause an injury)*	**Risk Score** *(How harmful is it)*	**Controls** *(What can be done to minimise the risk of injury)*
Use of high vacuum pump	Exhaust port must be open as pressure can build up and cause exhaust tube to blow off	Low	Ensure operating instructions are followed
Handling liquid nitrogen	Potential burn injury	Moderate	Always follow safe handling procedures for handling of liquid nitrogen
Handling of potentially hazardous solvents	Eye splash most likely	Low	Use the Speedi-vac instead. The freeze drier is typically used for non-hazardous solvents.