

Experiment-Based Risk Assessment Form

Name of Department _____ Physics _____ **Location of Lab** _____ Block S7, 11, 12, 13 & 16 _____

Name of Laboratory _____ Department _____ **Name of PI** _____

Name of Researcher/LO _____ Safety Committee _____ **Name of Activity/Experiment** _____ Chemical emergency spill response _____

No	Description/Details of Steps in Activity	Hazards	Possible Accident / Ill Health & Persons-at-	Existing Risk Control (Mitigation)	Severity	Likelihood	Risk Level	Additional Risk Control	Person Responsible	By (Date)
1	Responding to a chemical spill.	Chemical hazards	Chemical burns, skin irritation, eye damage, organ damage due to inhalation of toxic fume.	1) User must complete OSHE chemical safety training; 2) User to complete chemical spill response training;	2	1	2			
	Contain the spill - 1.Placing absorbent material around the outside edges of the spill 2.Add absorbents to the spill, working from the spill's outer edges toward the center. 3.Collect and contain the clean up residues into a waste disposal plastic bag	Chemical hazards	Chemical burns, skin irritation, eye damage, organ damage due to inhalation of toxic fume.	1) Refer to SDS for handling the spilled chemical. 2.) Don full PPE according to guideline as spelled out in the chemical spill response training and follow the SDS recommendation for handling the spilled chemical. 3)Use neutralizer if necessary. 4) Remove all potential sources of ignition if handling flammable chemical spill.	2	1	2			

Conducted By _____ Ng T H _____

Approved By _____

Name A/P Johan RC Van Der Maarel

Signature _____

Approval date 19/10/2019

Next Revision date _____ 19/10/2022 _____

(Maximum 3 years)