

NATIONAL UNIVERSITY OF SINGAPORE

Experiment-Based Risk Assessment Form			
Name of Department	Physics	Location of Lab	s07-01-01A/S07-01-08/S07-01-09
Name of Laboratory	CIBA Clean room, Chem room and ESP lab	Name of PI	Van Kan, Jeroen Anton
Name of Researcher/LO	Malar & Armin	Name of Activity/Experiment	Disposal of waste chemicals

No	Description/Details of Steps in Activity	Hazards	Possible Accident / Ill Health & Persons-at-Risk	Existing Risk Control (Mitigation)	Severity	Likelihood (Probability)	Risk Level	Additional Risk Control	Person Responsible	By (Date)
1	Collection and transport of waste bottles from three locations (Clean Room, Chemical room, ESP lab)	Flammable, Irritant and corrosive chemicals stored in labelled waste collection bottles/containers	Skin, eye damage in case of spillage during transport. Possibility of fire accident in case of mixing of different spilled waste chemicals	Prevent from spill of the chemicals: Labeled waste bottles for disposal are secured in proper secondary containment before transport. The secondary containers are transported to the collection point using trolleys. Lift is not necessary in our case as the labs are located on the ground floor. Proper PPE such as gloves, goggles and lab coats are used during the process. Acids and flammables are transported separately	2	1	2			

Conducted By Malar, Armin and Liu Fan, Zhiya, Malli, Sudheer, Cheng Yuan

Approved By

Name Van Kan, Jeroen Anton

Signature _____

Approval date 31/10/2011

Next Revision date 30/10/2014
(Maximum 3 years)