NATIONAL UNIVERSITY OF SINGAPORE

Image: Contract of the polymer, Disposal of used chemical, Irritant Persons-at-Risk Prevent from spill of the chemicals; Always do the process in fume hood. Put back the main chemical container in proper place. Disposal of used chemical of used chemical spillage Only AZ development and Cr etching are allowed in ESP lab (S7 01-08) Only AZ development and Cr etching are allowed in ESP lab (S7 01-08) Prevent from spill of the chemicals; Always do the process in fume hood. Put back the main chemical container in proper place. Dispose wastes in labelled 2 1 2 Only AZ development and Cr etching are allowed in ESP lab (S7 01-08) Prevent from spill of the chemical; Always do the process in fume hood. Put back the main chemical container in proper place. Dispose wastes in labelled 2 1 2 Only AZ development and Cr etching are allowed in ESP lab (S7 01-08) Prevent from spill of the chemical; Always do the process in fume hood. Put back the main chemical container in proper place. Dispose wastes in labelled 2 1 2 Only AZ development and Cr etching are allowed in ESP lab (S7 01-08) Prevent from spill of the chemical; Always do the process in fue hood place person are allowed in ESP lab (S7 01-08) Prevent from spill of the chemical; Always do the process in fue hood place person are allowed in ESP lab (S7 01-08) Prevent from spill of the chemical; Always do the process in fue hood place person are allowed in ESP lab (S7 01-08) Prevent from spill of the chemical; Always do the process on the process on the chemical container in a the process on the chemical container in a the process on the chemical contal place poching in a the process on the chemical cont		Experiment-Based Risk Assessment Form										
Name of Researcher/LO Liu Fan, Malar Name of Activity/Experiment Chemical treatment of resist samples and handeling of chemicals No Description/Details of Steps in Activity Hazards Possible Accident / III Health & Persons-at-Risk Existing Risk Control (Mitigation) Severity Likelihood (Probability) Risk Level Additional Risk Control Person Responsible Perso		Name of Department Physics			Location of Lab		s07-01-01A/S07-01-09/S7 01-08					
No Description/Details of Steps in Activity Hazards Possible Accident / III Health & Persons-at-Risk Existing Risk Control (Mitigation) Severity Likelihood (Probability) Risk Level Additional Risk Control Person Responsible Responsible Risk 1 Developing sample, Removal of the polymer, Disposal of used chemical Flammable chemical, Irritant Skin, eye damage Prevent from spill of the chemicals; Always do the process in fue hood. Put back the main chemical container in proper place. Dispose wastes in labelled waste bottles separately. 2 1 2 Only AZ development and Cr etching are allowed in ESP lab (S7 01-08) Severity are allowed in ESP lab (S7 01-08) Severity are allowed in ESP lab (S7 01-08) Image: are allowed in ESP lab (S7 01-08) I		Name of Laboratory CIBA Clean room & chem room		m & chem room	Name of PI		Van Kan, Jeroen Anton					
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2 Baking of the sample Hot surface Hands Get burned by the hot surface Turn off the hot plate right after using it 2 1 2 3 Transferring chemical from one place to construct Chemical Spillage Eye or skin contact of solution spilled ust may cause injury Use trolly to move chemicals from one to another lection after container in a 2 1 2	1		Flammable chemical , Irritant	Skin, eye damage	process in fume hood. Put back the main chemical container in proper place. Dispose wastes in labelled	2	1	2				
another Circuited Spillage of the second spillage of the spill	2	Baking of the sample	Hot surface	Hands Get burned by the hot surface		2	1	2				
	3	Transferring chemical from one place to	Chemical Spillage			2	1	2				
Image: The set of the set o	4	Handling breakable materials	Glass breakage, sharp objects	Cut injuries	Dispose broken materials in sharps bin	2	1	2				

Conducted By Sudheer, Malar, Liu Fan, YingHui, Sara, Jianfeng,

Approved By

Yao Yong, Raman, Zhiya, SongJiao, HueiMing

Name Van Kan, Jeroen Anton

Signature

Approval date 31/10/2011

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