

Checklist for Nanomaterials Standard Operating Procedure

Name: Lab Room Number(s): PI:	Nanomaterials: Describe material and process below and then check practices that should be used.		
Safe Handling Practices	1.	2.	3.
MSDSs, Toxicity Info -Do you have MSDSs for your nanomaterials? -Do MSDSs report results of tests on nanomaterials or do they refer to bulk material? -Have you researched toxicity of your material? -Have you read EHS Office article on nanomaterial tox?			
Prevention of Inhalation Exp. -Use in fume hood -Use in biosafety cabinet -Use in other exhausted enclos. -Synthesis in furnace/reactor -Is reactor in fume hood -Are furnace gasses exhausted -Are potential emission points exhausted -Use on lab bench (reference for low toxicity) -Transport within lab in sealed container			
Skin Protection -Gloves worn and type used -If solvent suspension, glove resistant to solvent -If skin contam. likely, double gloves -Gloves with gauntlets or extended sleeves -Frequency of changing gloves -Lab coats (cloth or disposable)			
Eye Protection -Type of eye protection (safety glasses, goggles, face shield) -Goggles worn for processes with high energy			

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Handling Practices, cont	Nanomaterials		
	1.	2.	3.
Prevent Lab Contamination -Wet wipe surfaces and how often -Use bench liners -Access to HEPA vacuum			
Signage and Labeling -Signs for nanomaterial use -Labels on container indicate nanoscale material			
Spills -Is there potential for spills -Spill kit available? -Wet wiping for minor spill cleanup -Access to HEPA vacuum -Respirators for spills -Type of respirator (P100) -Obtained from EHS Office and fit tested			
Waste Nanomaterial -Do you have waste nano mat? -Do you collect waste in SAA? -Do you collect contam. Materials as waste? -Label waste as nanoscale			
Transportation Off-Site -Do you need to ship nanomaterials off-site? -Have you contacted EHS Office for DOT regulations?			