Standard Operating Procedure

PI: Dr. Jitendra Sarjerao Tate	Building(s): Roy F. Mitte
PI Signature:	Room Number(s): 1218
Date: 5/30/18	SOP Revision Date: 5/30/18
Work involves a Particularly Haz	ardous Substance (PHS)?
Carcinogen Reproductive	Toxin High Acute Toxicity
☐ Air Reactive/Pyrophoric ☐ V	Water Reactive
Prior Approval: This procedure is a Investigator: Y N	considered hazardous enough that prior approval is needed from the Principal
Designated Work Area: RFM 1218	
Hazard Identification	
a. Preparation and Use:	
Use of Personal Protection Equipme	nt while dispersing nanoparticles in the liquid polymer resin
Note: If identified as a process, provide a	dditional detailed procedural steps for the use of each hazardous chemical in Section 5, below.
Dotontial II	
. Potential Hazards and Risk:	
Dry nanoparticles and liquid resin sp	ill during mixing/dispersion.
Joseph Control	
Iazard Control Selection and Purchasing:	
Dr. Tate only may purchase potential	
Dr. Tate only may purchase potential	ny nazardous Nano-materials.
Engineering Controls:	
	safety cabinet Glove box Vented gas cabinet
Other (List below: include	le controls such as pressure relief valves, intrinsically safe hot plates, auto shut-offs
	1 James, marcally saye not places, unto shut-ogys
Promised Present Prese	
Safety Glasses	Equipment (PPE): List any specific PPE required for this chemical/procedu Face shield Lab Coat (type)
Janety Glasses	☐ Face shield ☐ Lab Coat (type)
Chemical apron	Gloves (type): Mechanical work gloves when handling heavy parts and during testing
	Gloves (type): Mechanical work gloves when handling heavy parts and during testing.
☐Chemical apron ☐Chemical Splash Goggles ☐Other:	Gloves (type): Mechanical work gloves when handling heavy parts and during testi Respirator (type):

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d. Administrative and Work Practice Controls: List any specific work practices needed to perform this procedure (e.g., cannot be performed alone, must notify other staff members before beginning, etc.).

e. Storage and Transportation:

3. Emergencies, Spill Procedures, and Exposures/Unintended Contact	

4. **Waste:** How will any waste that is produced be properly disposed.

5.	Details of Process: A journal article or other document describing the process can be attached.