JOB SAFETY ANALYSIS	The University of Texas at TYLER Environmental Health & Safety
Worksheet Number or Identifier: Laboratory Decommissioning	
Job/Operation Title: Research and academic laboratory decommissioning	Date: 06/16/2021
Department/Division/Section: Chemistry/Biology/Engineering/Art	Developed By: Chris Frydenlund
Location(s): ARC, BEP, HPC, HPR, RBN, RBS, WTB	Reviewed By: Paula Tate
Person(s) Performing This Job: Faculty and Staff	Supervisor: various
Start Date: All Spring, Summer, and Fall semesters.	Duration: 24/7

Task/Step	Potential Hazards	Required Job Procedures
 1. Preparation a. Obtain proper physical materials to use, dilute, or dispose of the experiment. b. Obtain and don PPE c. Obtain SDS, manufacturer label, and other information concerning substance handling 	 Sharps from broken glass or needles and potential blood borne pathogen complications. Hazards associated with individual or mixtures of chemicals. Chemicals reactive to the environment (unclean, inappropriate, or incompatible material. Slip, trip or fall 	You must come prepared to work. This includes all decommissioning forms and requirements based on the SDS, manufacturer's label and specific protocol for use with chemical experiments. Ensure you safety and carefully handle all materials. Ensure you are within one year of general chemical safety training and training specific to the task within the protocol. Always use proper personal protective equipment (PPE) and appropriate clothing: suitable gloves, eye protection, closed toed and slip resistant shoes, shirt and pants (lab coat is highly recommended).
2. Conduct the decommissioning.	 Sharps from broken glass or needles and potential blood borne pathogen complications. Exposure to splashes aerosols, and fumes from hazardous material. Volatile reactions from incompatable material or adding water to a strong base or acid. Mixing in unventilated areas causing risk of inhalation exposure. 	Ensure the SDS and manufacturers label/instructions are availale in case of a hazardous incident and only follow the approved protocol. In case of contact, wash exposed area for at least 15 minutes with the emergency shower or eyewash. In case of contact, injection, inhalation or ingestion of chemicals call 9-11 immediately. Use secondary containment to prevent and/or contain large spills and the spread of broken glass or other sharp objects. Never work in the lab alone or without someone knowing where you are. Stop work immediately if PPE fails, ventilation systems fail, spills occur, or other emergency.

Task/Step	Potential Hazards	Required Job Procedures
3. Completion/cleanup	 Sharps from broken glass or needles and potential blood borne pathogen complications. Splashes and aerosol contact with mucous membranes, eyes or skin. Using incorrect waste stream causing environmental hazards, volatile reactions, and other potentially hazardous situations as a result of mixing. Leaving area and materials unclean. 	Ensure all UT Tyler waste policy is followed Dispose of all chemicals in a matter consistent with the product's SDS, manufacturered label, or recommended by the protocol. Clean all glassware and around the area using compatible cleaning products and recommended PPE. Wash hands for at least 20 seconds after doffing all PPE before leaving the laboratory. Never leave an active experiment unprotected or unattended. Ensure all precautions are taken if left for any period of time.

POTENTIAL HAZARDS OF THIS JOB: PHYSICAL			
Hazards	Prob.	Sev.	Consequences
Combustible materials	2	1-4	Chemical burns, organ damage, poison and/or death.
Corrosive materials	2	1-4	Chemical burns, organ damage, poison and/or death.
Flammable materials and liquids	3	1-4	Exposure (inhalation, contact, ingestion) of hazardous
Reactive chemicals	3	1-4	chemicals or other chemicals leading to toxicity, poison and/or death.
Sharp objects	1	1-4	Reactive chemicals can cause physical injury and death.
Ventilation	2	1-4	Penetration by sharp object and possible blood borne pathognen contamination. Inhalation of hazard fumes, aerosols or dusts leading to toxicity, poison and/or death.

POTENTIAL HAZARDS OF THIS JOB: CHEMICAL		
Hazards	Description/Health Hazards	
Strong acids and bases	NFPA 704 Health 4; corrosive, poison, toxic, carcinogen	
Exotermic reactions	NFPA 704 Instability 4; burns, blood borne pathogens	
Toxic organic molecules	NFPA 704 Health 4; poison, toxic, carcinogen	
Flammable chemicals	NFPA 704 Fire 4; Health 4; corrosive, poison, toxic	
Incompatible material	NFPA 704 other; water reactive, biohazard, laser, explosive, and radiation hazards.	

Risk Assessment Legeng

Probability	Severity
1 - Low	1 - Low
2 - Medium	2 - Medium
3 - High	3 - High

Contact Information

- 1) CALL 9-11 IN CASE OF EMERGENCY
- 2) Call Police Dispach at(903) 566-7300
- 3) Call Environmental Health and Safety at ... (903) 566-7011