UCLÁ ENVIRONMENT, HEALTH & SAFETY

Accident Investigation Report

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Date of Injury	Dec 29, 2008 Time of Injury 2:57 pm Location at Time of Injury Molec	
Employee Name	angji Sheharbano Employee Dept. Chemistry and Biochemistry Employee J	ob Duties Research Associate
Accident Description The syling mater the was eight but the upon (Weifa emerged During The syling mater the w	se of the injury was the accidental release of the pyrophoric compound, t-butyl lithium, which was that the employee was using. The compound is pyrophoric and will catch fire on exposure her ejected or pulled out of the syringe, causing liquid to be released. The amount of liquid release maximum capacity of the syringe is 60 mls. The liquid released from the syringe spilled on the contact with air, immediately caught fire. The employees clothing caught fire. The fire was exting g Chen) using a lab coat and water from the sink, and 911 was called. Emergency responders defency shower and transported her to RRUCLA Emergency room. She was transferred to the Gross the investigation, it was noted that the syringe used to transfer the liquid was a plastic syringe, inge and needle were examined, and during discussion with Dr. Harran, it was noted that this was the liquid. The container of t-butly lithium in pentane is generally pressurized before attemption. It has not been determined from eyewitnesses if this was done. The employee had nitrile glove help be that the did have eye protection.	ased has not been determined, employee's torso and hands, and guished by a fellow employee oused the employee under the sman Burn unit in Sherman Oaks. which melted during the fire. as the routine method to ng to withdraw liquid from the es on when handling this ective eyewear, although one of
Medical Treatment Received Emergency treatment at Ronald Reagan UCLA Emergency. Transferred to Grossman Burn Center, Sherman Oaks		
Time lost from w	ork? • Yes O No If yes, how many days? Date returned to work	
Other employees involved/witnesses: Dr. Patrick Harran/ Weifang Chen/Hui Ding		
Investigation Post Doctoral Fellow		
Interviewee (check all that apply): Employee 💢 Witness 💢 Supervisor 💢 Other (title): Post Doctoral Pellow		
Name of Intervi	wee Dr. Patrick Harran	nterview Setting In Person
Interview Statement	Dr. Harran stated that the employee had performed this experiment before and had pyrophoric compounds, and specifically t-butyl lithium in pentane. Since he did not speculated that the employee had pressurized the reagent bottle with argon, as taugharrel of the syringe when the barrel suddenly separated from the syringe. It is not known overpressurized or if the employee withdrew the syringe barrel with too much for volume of liquid was being withdrawn into the syringe. The syringe used was a HSW BD 20 gauge needle with a Luer Lok fitting. Dr. Harran said that this was the appropriate this reagent.	pht. She was withdrawing the nown if the reagent bottle orce. It is also not known what 160 ml. plastic syringe with a
Has the injured employee ever received training specific to this injury? Yes No		
If yes, when was the most recent training conducted? Unknown If yes, is the training documented? No		
Types of training provided: Instructions from the Principal Investigator, Dr. Harran		
Recommended Corrective Actions Investigator Bill Peck		
The employee may not have been using best work practices while handling the syringe to transfer a pyrophoric liquid. The employees should be instructed in safer handling techniques. A lack of consistent PPE usage was evident, as the employee was not wearing a lab coat. The laboratory, Mol Sci 4221, exhibited poor housekeeping, and an excess amount of flammable material was stored in the laboratory. A laboratory inspection had been done on November 5, 2008, which noted the deficiencies in the lab. Upon investigation, it was found that most of the corrections to the laboratory were not accomplished by 12/30/08. The deficiencies noted are the lack of an NFPA fire diamond placard on the door, the lack of a first aid kit, the lack of sufficient spill cleanup material, improper storage of flammable materials, improper storage of water and air reactive chemicals and personal protective equipment not being used by laboratory employees. Corrective action requires that these deficiencies be corrected in a timely manner.		
Date investiga	Injury Prevention Category: Administrative Controls Person(s) Engineering Controls referred to for	
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