


University of Washington

Standard Operating Procedures for Chemicals or Processes		
#1 Process (if applicable)	Insect preservation in Ethanol (95%).	
#2 Chemicals	Ethyl alcohol, denatured, 190 proof. Ethanol (95%) is flammable both as a liquid and a vapor. Exposure can cause eye, skin, and respiratory tract irritation as well as adverse reproductive and fetal effects in humans. It may be absorbed through intact skin and may cause central nervous system depression. May cause blindness if swallowed. May cause liver and kidney damage.	
#3 Personal Protective Equipment (PPE)	Lab coat, long pants, closed-toed shoes, double gloves (vinyl gloves + nitrile gloves), safety goggles.	
#4 Environmental/Ventilation Controls	Closed containers handled in lab (LSB 412) without special ventilation measures (vented to atmosphere). Fume hood in LSB 412 is used for chemical handling with open containers (centrifuge tubes, glass beakers, vials). Any handling of ethanol outside of the fume hood is limited and done with closed containers.	
#5 Special Handling Procedures & Storage Requirements	Unused chemicals are stored in a 5-gallon flammable liquids safety can in a specially designed and designated flammable substance storage cabinet. In addition, small amounts (5 ml) of ethanol are stored in polypropylene centrifuge tubes or glass vials with lids screwed on, either on lab benches or in flammables cabinet. Ethanol waste, which consists of a mix of ~90% ethanol and ~10% water, is stored in a 4 L HDPE storage bottle in the fume hood or sealed and stored in the designated flammable cabinet beneath the fume hood.	
#6 Spill and Accident Procedures	<p>In the event of a spill, clean up immediately. If the spill is large, isolate area and deny entry. Provide ventilation. Care should be taken to avoid direct body contact and inhalation. Carefully wipe up spill. Approach spill from upwind. If spill is too large to safely clean up, leave the room and call the UW EH&S Spills Line at 206-543-0467. If exposed, remove contaminated clothing and shoes, and flush skin with plenty of water for at least 15 minutes. If someone is incapacitated, call 911 and initiate first aid if possible.</p> <p>Fire Fighting Measures: For small fires, personnel trained in the use of the lab fire extinguisher may attempt to put out fire. In the event of a large fire, or if no trained personnel are present, evacuate the premises and call 911 immediately.</p>	
#7 Waste Disposal	For spills: place used absorbent in 4 L HDPE storage bottle. For all waste, label with Hazardous Waste Label, accumulate according to requirements, and send in Chemical Collection Request or Routine Pickup request, both available online at http://www.ehs.washington.edu/chemical/hazardous-chemical-waste-disposal .	
#8 Special Precautions for Animal Use (if applicable)	N/A	
Particularly hazardous substance involved?	<input type="checkbox"/> YES: <input checked="" type="checkbox"/> NO:	Blocks #9 to #11 are Mandatory Blocks #9 to #11 are Optional.
#9 Approval Required		
#10 Decontamination		

#11 Designated Area	
Name: Lauren Buckley Title: PI	
Signature:  Date: 03/02/2020	