


SOP for Isopropanol, Ethanol

University of Washington

Standard Operating Procedures for Chemicals or Processes	
#1 Process (if applicable)	Flammable solvents use and storage- including the following: Isopropanol (IPA), Ethanol
#2 Chemicals	Flammable solvent vapors can travel and can produce fire and explosion if an ignition source is contacted. Some flammable solvents are more hazardous than others. Many solvents also have an effect on the central nervous system and at high concentrations cause sedation, coma and death. Contact with solvents can de-fat skin and cause irritation of skin and mucous membranes.
#3 Personal Protective Equipment (PPE)	Wear flame-resistant lab coat and chemical splash goggles, nitrile gloves. Call EH&S (3-7388) for further information.
#4 Environmental / Ventilation Controls	Solvents should be dispensed only in a fume hood or in a well-ventilated space.
#5 Special Handling Procedures & Storage Requirements	Mixing or dispensing should be done in a hood or in a well-ventilated space with all sources of ignition eliminated (hot plates, burners, etc.). Solvents should be stored in appropriate flammable cabinets, separate from acids, bases, and oxidizers. Flammable cabinet is located B59.
#6 Spill and Accident Procedures	Remove all sources of ignition from the spill area if it is safe to do it. Small fires may be extinguished if it is safe and the operator is trained to use the fire extinguisher. Wipe down spill area with solvent absorbent pads. Solvent absorption pads are stored under the sink.
#7 Waste Disposal	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/epowaste/chemwaste.shtml . Do not evaporate flammable solvents in the fume hood.
#8 Special Precautions for Animal Use (if applicable)	N/A
Particularly hazardous substance involved?	<input type="checkbox"/> YES: Blocks #9 to #11 are Mandatory <input checked="" type="checkbox"/> NO: Blocks #9 to #11 are Optional.
#9 Approval Required	N/A
#10 Decontamination	N/A
#11 Designated Area	N/A
Name: Priska von Haller Title:	
Signature: 	Date: 5/13/2025

Environmental Health and Safety, Box 354400

**to be filled in by PI or Supervisor*