

**University of Washington
Environmental Health & Safety**

Standard Operating Procedure (SOP) for Flammable Solvents

SLU Building E, Immunology Department, Rooms; E-386, E-386A&B, E-377

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1. PROCESS	<p>Flammable solvents used in this laboratory are:</p> <ul style="list-style-type: none"> • Ethanol EtOH • Isopropanol • Methanol MeOH
2. HAZARDOUS CHEMICALS & CLASS OF HAZARDOUS CHEMICALS	<p>Some flammable solvents are more hazardous than others. Some solvents can have an effect on the central nervous system and at high concentrations could cause sedation, coma, and death. Contact with some solvents can also cause irritation of skin and mucous membranes.</p>
3. PERSONAL PROTECTIVE EQUIPMENT	<p>Wear chemical splash goggles; consult Appendix-F of the UW Laboratory Safety Manual for proper glove selection. Call EH&S at (206) 543-7388 for further information. A lab coat or apron is recommended for personal protection and is required when dispensing or cleaning up spill quantities greater than 1 liter.</p>
4. ENGINEERING & VENTILATION CONTROLS	<p>Solvents should be dispensed only in a fume hood or in a well-ventilated space which has been approved by the Seattle Fire Department.</p>
5. SPECIAL HANDLING PROCEDURES & STORAGE REQUIREMENTS	<p>Mixing or dispensing should be done in a hood with all sources of ignition eliminated (hot plates, burners etc.). Store in metal safety cans whenever possible. Solvents in glass bottles over 1L should be transported in spill proof carriers. Flammable solvents should be stored in appropriate flammable cabinets, separate from other chemicals.</p>
6. SPILL & ACCIDENT PROCEDURES	<p>Remove all sources of ignition from the spill area. Wipe down spill area with solvent absorption pads. In case of skin contact, flush affected area with copious amounts of water for 15 minutes. Seek emergency medical attention no matter how minor injuries or illness may initially appear. In any case where the size, composition and ability to safely clean up a spill is in question, contact EH&S at (206) 543-0467 for consultation. If consultation is unavailable, contact 911.</p>
7. WASTE DISPOSAL	<p>Place in an appropriate container, label with UW Hazardous Waste Label and contact EH&S at (206) 616-5835 for collection.</p>
8. SPECIAL PRECAUTIONS FOR ANIMAL USE	<p>N/A</p>
9. PI SIGNATURE & DATE	<p> 01/26/2015</p>