



SOP for SDS

University of Washington

Standard Operating Procedures for Chemicals or Processes	
#1 Process (if applicable)	Mass spectrometer evaluation/calibration solution
#2 Chemicals	<p>Sodium Dodecyl Sulfate, CAS # 151-21-3; Also known as Sodium lauryl sulfate; Duponol; Dodecyl sodium sulfate; Sulfuric acid, monodecyl ester, sodium salt</p> <ul style="list-style-type: none"> ➤ Flammable solid. ➤ Harmful if swallowed or inhaled. ➤ Causes skin irritation. ➤ May be absorbed through the skin. ➤ Causes eye irritation and may cause serious eye damage. ➤ May cause respiratory irritation. ➤ Inhalation of dust may produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. <div style="text-align: center;">  </div> <p style="text-align: right;"><u>Signal Word:</u> DANGER</p> <p><u>Toxicological Data:</u> ORAL (LD50): 1,288 mg/kg [Rat] DERMAL (LD50): 580 mg/kg [Rabbit] INHALATION (LC50): > 3,900 mg/kg <u>1 hour</u> [Rat] IRRITATION DATA: <u>Draize test, rabbit, eye:</u> 100 mg/24H (Moderate); <u>Draize test, rabbit, eye:</u> 250 ug (Mild); <u>Draize test, rabbit, eye:</u> 2 mg; <u>Draize test, rabbit, eye:</u> 10 mg (Moderate); <u>Draize test, rabbit, skin:</u> 50 mg/24H (Severe); <u>Draize test, rabbit, skin:</u> 25 mg/24H (Moderate); <u>Draize test, rabbit, skin:</u> 250 mg/24H (Moderate); <u>Draize test, rabbit, skin:</u> 10 mg/24H; <u>Draize test, rabbit, skin:</u> 50 mg/24H (Mild)</p> <p>*Always refer to the Safety Data Sheet for the most detailed information*</p>
#3 Personal Protective Equipment (PPE)	Wear nitrile gloves, goggles, and a fully buttoned lab coat. Wash hands after removing gloves.
#4 Environmental / Ventilation Controls	Work within a properly functioning certified laboratory chemical fume hood.

#5 Special Handling Procedures & Storage Requirements	<p>Store in a cool, dry, well-ventilated area away from sources of sunlight, heat, sparks, flame, or other sources of ignition. Keep container tightly closed. Material is Hygroscopic. Keep from getting wet. Avoid dust formation.</p> <p>Keep away from incompatibles such as oxidizers.</p>
#6 Spill and Accident Procedures	<p><u>Upon Accidental Exposure:</u> In case of eye contact, flush eyes with copious amounts of water at an emergency eyewash station for at least 15 minutes and seek medical attention.</p> <p>In case of skin contact, flush skin with copious amounts of water for 15 minutes and seek medical attention. For exposure over a large portion of the body, remove clothing and shoes and rinse thoroughly in an emergency shower for at least 15 minutes and seek medical attention.</p> <p>In case of inhalation, move person to fresh air and seek medical attention.</p> <p>In case of ingestion, immediately seek medical attention and follow instructions on SDS.</p> <p><u>Upon Accidental Release:</u> Large Spill: If a large amount of sodium dodecyl sulfate is released outside the fume hood, immediately evacuate, secure the area and call 911 to contact EH&S.</p> <p>Small Spill: If a small amount of sodium dodecyl sulfate is released (it can be cleaned up in 10 minutes) and you are appropriately trained to clean up the spill, you may do so. Use appropriate PPE including nitrile gloves, goggles, and fully buttoned lab coat.</p> <p>If it is necessary to use a respirator immediately evacuate, secure area, and call 911 to contact EH&S.</p> <p>Use appropriate tools and place material in an appropriate waste disposal container (resealable bag, etc.) and dispose of as hazardous waste (see above WASTE DISPOSAL PROCEDURES).</p> <p>As with all accidents, report any exposure as soon as possible to your Principal Investigator or Supervisor. Additional health and safety information on sodium dodecyl sulfate can be obtained by referring to the SDS or by calling the EH&S Office.</p>
#7 Waste Disposal	<p>Waste Sodium Dodecyl Sulfate must be managed as Dangerous Waste at concentrations of 1% or greater. It should be collected in a compatible container with a vented lid designed for storage of acids and bases. The container should be stored away from incompatible materials and a completed Dangerous</p>

	<p>Waste label should be attached when waste is first added to the container. When container is full or no longer being used complete a Chemical Collection Request Form, and deliver to the Waste Accumulation Area Operator at Building, Room, Phone Number.</p> <p>If sodium dodecyl sulfate is less than 1% then the solution may be drained discharged.</p>		
#8 Special Precautions for Animal Use (if applicable)	NA		
Particularly hazardous substance involved?	<u> </u> YES:	Blocks #9 to #11 are Mandatory	
	<u> x </u> NO:	Blocks #9 to #11 are Optional.	
#9 Approval Required			
#10 Decontamination			
#11 Designated Area			
Name: Priska von Haller		Title: PhD	
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  Signature: </div> <div style="text-align: right;"> Date: 4/5/2023 </div> </div>			

Environmental Health and Safety, Box 354400
Supervisor

**to be filled in by PI or*