


Standard Operating Procedures for Chemicals or Processes	
#1 Process (if applicable)	Used in respirometry to remove water vapor from the air stream and scrub CO <sub>2</sub> .
#2 Chemicals and Hazards	<ol style="list-style-type: none"> <li>1. Drierite</li> <li>2. Ascarite</li> </ol>
#3 Personal Protective Equipment (PPE)	Wear protective gloves, protective clothing, and eye/face protection.
#4 Environmental/Ventilation Controls	Use in a well-ventilated area.
#5 Special Handling Procedures & Storage Requirements	<ol style="list-style-type: none"> <li>1. Drierite is stored at room temperature and can be found in Rm 429 in the LSB Building.</li> <li>2. Ascarite should be stored in a corrosive-resistant polypropylene container in a dry place.</li> </ol>
#6 Spill and Accident Procedures	<p>2. Ascarite should be swept up and shoveled into suitable containers for disposal. Avoid dust formation.</p> <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&amp;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	<p>Ascarite should not be released into the environment. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.</p> <p>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 <a href="http://www.ehs.washington.edu/chemical/hazardous-chemical-waste-disposal">http://www.ehs.washington.edu/chemical/hazardous-chemical-waste-disposal</a>.</p>

#8 Special Precautions for Animal Use (if applicable)		
Particularly hazardous substances 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	
#10 Decontamination	
#11 Designated Area	
Name: Lauren Buckley Title: PI	
Signature	
Date: 5/19/2023	