

Gas Cylinder Use

Standard Operating Procedures for Chemicals or Processes					
1 Process (if applicable)	Gas cylinders (Inert) Use of compressed gas cylinders (See _____)				
2 Chemicals	Compressed gas cylinder present hazards because of the volume of gas and the pressures involved. Leaking or vented inert gas can displace breathing air. This SP is for N2, Ar, Air, CO2, SF6, and _____.				
3 Personal Protective Equipment (PPE)	Wear goggles. Gloves, face shield, lab coat or apron and/or respirator may be required for personal protection depending on the gas and use.				
4 Environmental / Ventilation Controls	Fittings and connections must be properly tested for leaks using soapy water, 'Snoop' or other appropriate test system or meter. Do not use an open flame.				
5 Special Handling Procedures & Storage Requirements	All cylinders should be properly identified and the specific hazards of each cylinder should be known. Cylinders must be fastened securely at all times whether in use, transit, or storage. Cylinder safety caps must be in place whenever cylinders are not in use for an extended period of time or during transport. Proper valves and/or regulators for the specific gas must be used. Store and use cylinders in ventilated areas away from heat or ignition sources. When not in use, separate flammables and oxidizers. Transport large cylinders only on an approved dolly or cart. A dolly or cart is located _____.				
6 Spill and Accident Procedures	If safe, turn the gas valve off. For cylinders that continue to leak.				
7 Waste Disposal	Empty nontoxic or non-corrosive gas cylinders should be marked 'empty' and returned to _____. Empty gas cylinders that contained toxic or corrosive gases must be stored in a fume hood or well ventilated space for pickup by the supplier.				
8 Special Precautions for Animal Use (if applicable)	*				
Particularly hazardous substance involved?	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 5px;">__ YES:</td> <td style="padding: 5px;">Blocks 9 to 11 are Mandatory</td> </tr> <tr> <td style="padding: 5px;"><u>X</u> NO:</td> <td style="padding: 5px;">Blocks 9 to 11 are Optional.</td> </tr> </table>	__ YES:	Blocks 9 to 11 are Mandatory	<u>X</u> NO:	Blocks 9 to 11 are Optional.
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9 Approval Required	N/A				
10 Decontamination	N/A				
11 Designated Area	N/A				
Name (print) (Assessor):	Title:				
Signature (Assessor):	Date:				
Name (print) (PI, Lab Manager, or Unit Head):	Title:				
Signature (PI, Lab Manager, or Unit Head):	Date:				
Date Sent to UW Safety:					