

Inorganic Acid Use

Standard Operating Procedures for Chemicals or Processes					
1 Process (if applicable)	Inorganic Acids - handling, dispensing, and diluting acids including: * _____.				
2 Chemicals	Acids cause burns to skin and eyes upon contact and to mucous membranes if inhaled or ingested.				
34 Environmental / Ventilation Controls	Concentrated acids should be dispensed in a fume hood.				
4 Personal Protective Equipment (PPE)	Wear chemical splash goggles and heavy-duty neoprene gloves for concentrated acids. For diluted acids greater than pH 2, use nitrile gloves. A lab coat or apron is recommended for personal protection.				
5 Special Handling Procedures & Storage Requirements	When diluting acids, small amounts should be added gradually to water and mixed thoroughly to dissipate any heat generated. Inorganic and organic acids should be stored in separate bins in the acid storage cabinets. Acids should be stored separately from bases, oxidizers and flammable solvents. Acids in glass bottles over 1 liter should be transported in spill proof carriers. Acids are stored * _____.				
6 Spill and Accident Procedures	In case of skin contact, flush affected areas with copious amounts of water for 15 minutes. Obtain medical attention. Neutralize any spilled acids with sodium bicarbonate or spill pads to clean up. Spill kit can be found* _____.				
7 Waste Disposal	EHS has a treatment program for acids and bases; for more information see . If disposing of as hazardous waste, label with Hazardous Waste Label, accumulate according to requirements, and send in waste pickup request, both available online at http://www.uwyo.edu/safety				
8 Special Precautions for Animal Use (if applicable)	*				
Particularly hazardous substance involved?	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border: none;">__ YES:</td> <td style="border: none;">Blocks 9 to 11 are Mandatory</td> </tr> <tr> <td style="border: none;">X NO:</td> <td style="border: none;">Blocks 9 to 11 are Optional.</td> </tr> </table>	__ YES:	Blocks 9 to 11 are Mandatory	X 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 (Assessor):	Title:				
Signature (Assessor):	Date:				
Name (PI, Lab Manager, or Unit Head):	Title:				
Signature (PI, Lab Manager, or Unit Head):	Date:				
Date Sent to UW Safety:					