## **Chemical Storage Guide**

Always refer to the SDS. This guide is not meant to cover all possible scenarios. Contact the Chemical Safety Group with questions – 434-982-4911

						INHALATION HAZARD 2	DANGEROUS WET	
Flammable liquids	Acids	Bases	Oxidizers	Toxics	Compressed gases	Poison inhalation	Water reactive	Liquid nitrogen
Do not store	Do not store	Do not store	Do not store		Secure at all times	Store in a vented	Do not store	Store in a well
with	with	with	with		even when empty	gas cabinet	under the sink	ventilated
acids or oxidizers	bases, flammables,	acids	flammable liquids or			or a		area
	or cyanides		solids		Store away from	chemical fume hood	Store away from	
Only store in		May be kept with			heat sources		aqueous solutions	Consult EHS
refrigerators	Do not store	flammable liquids	Do not store			Secure at all times		before
rated for	under the sink	if in	under the sink		Store with cap		Keep separate from	storing 240L
flammables		secondary		And other <b>Health</b>	when regulator is	Store with cap	other	tanks
		containment	Avoid storage on	Hazards	removed	or plug	hazard classes	
Keep quantities			wooden shelves			in place		
to a minimum (no 5					Incompatible gases			
gallon cans permitted)				Store on sturdy	must be separated			
Amounts over				shelves below	by a 30 minute			
two(2) gallons:				eye level or in	fire barrier or			
Store in an				secured cabinets	20 feet or			
approved					line of sight			
flammable cabinet				Store separate from				
				other hazard classes				
Examples	Examples	<u>Examples</u>	Examples	<u>Examples</u>	Examples	<u>Examples</u>	<u>Examples</u>	Evampla
Acetone	Sulfuric acid	Sodium hydroxide	Silver nitrate	Sodium cyanide	Helium	Carbon monoxide	Sodium borohydride	<u>Example</u> LN
Methanol	Hydrochloric acid	•	Ammonium persulfate	Sodium azide	Nitrogen	Chlorine gas	Hydrazine	LIV
Ether	Nitric acid	Bleach	Sodium periodate	Aniline	Oxygen	Ethylene oxide	Sodium metal	
Hexane	Acetic acid	Dicacii	Sourdin periodate	Ethidium bromide	Hydrogen	Ammonia gas	Phosphorus	
Пехапе	Acetic dela			Ethiaiani bronnac	riyarogen	7 illillollia gas	Thosphoras	
Special circumstances	Special circumstances	Special circumstances	Special circumstances	Special circumstances	Special circumstances	Special circumstances	Special circumstances	Special circumstances
Combustible liquids (i.e.	Some acids are	Some bases are	Some acids are oxidizers	Inspect containers	Container volumes less	Consult with EHS when	There may be enough	Liquid nitrogen tanks
toluene) can be stored	flammable (i.e. Acetic	flammable (i.e. ethanol	(i.e. nitric acid) but still	regularly.	than 5 liters (i.e. lecture	storing or using these	moisture in the air to	vent loudly periodically.
in the flammable	acid) but still store them	amine) but still store	store them with the		bottles) can be stored	materials.	react these materials.	Do not be concerned.
cabinet if there is room.	with the acids.	them with the bases.	acids.		lying down.		Use caution.	

UVA Environmental Health and Safety