WAKE FOREST		Standard Operating Procedure (SOP)						
	PHENOL							
Effectiv	Effective Date: 8/23/2013			ed Date:	10/10/2022			
Introduction								
nervous s absorbec	system, Kidney, L I through the skir	iver, Panc	l is a very toxic mutagen. reas, and Spleen. Phenol i	•	•			
POTENTIAL HAZA		t with skin	Corrosive and toxic					
very flaza			 Corrosive and toxic. 					
Health Hazards								
	HEALTH HAZ	ARD INFO	ORMATION					
	Å		Σ [®] 🐐 🕅	+	2			
		ิส						
	Signal word: Danger							
		H301	Toxic if swallowed.					
	Hazard statement(s):	H311	H311 Toxic in contact with skin.					
		H331	H331 Toxic if inhaled.					
		H314	314 Causes severe skin burns and eye damage.					
		H341	Suspected of causing genetic defects.					
		H 37 3	May cause damage to organs prolonged or repeated exposi	ause damage to organs through iged or repeated exposure.				
Personal Protecti	ve Equipment							
(e.g., thro ➤ Adequate	or face shields sh ough vapors or sp e safety glasses m	lashes of lust meet	n during operations in whi solution). the requirements of the P L-1989) and must be equip	ractice fo	or Occupational Education			
every two ➤ Laborato	irs of disposable ı o hours.	uld thorou	es when working with PHI Ighly wash hands with soa s.					

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 If using phenol and chloro 	oform together, No	rth Silver Shield/4	H gloves a	re to be worn.			
AB COATS, ETC.							
 Button lab coats, closed t handling PHENOL. Protect with PHENOL. 		-	-	•			
ork Practices							
Labs using Phenol or reages of dormal exposure (See I)	-	enol (TRIzol) will h	ave PEG o	r Glycerin in the event			
of dermal exposure (See First Aid, below). ➤ Purchase in a shatter-resistant container if available (such as PVC-coated glass).							
 Keep containers closed as 			ve cource	8.0007			
 Use in the smallest quant performed. 	•	ncentration praction	cable for t	he experiment being			
 Avoid heating if possible a After work with phenol is 		•		and water solution.			
pecial Handling Procedures and	Storage Requireme	ents					
SAFE STO	RAGE WITH OTH			ALS			
÷	x +			+			
	e stored together ored together with spec ored together	ific preventions					
above may not dangerous good	g on other risk factors, be relevant to storage s ds are stored and hand reach substance or arti	situations, particularly led. Reference should	where large be made to	volumes of the Safety			

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labeled v	with the following	te material contain "HAZARDOUS WAS azardous waste ren	STE PHENOL".	st be placed in a	a glass container		
Emergency Num	bers						
	hove						
Emergency Nurr Fire and Medica			x5911 (911	on cell phone)			
Environmental Health and Safety			x3427				
FastMed Urgent Care (employees)				(336) 714-4616			
Student Health (students only)			x5218				
Poison Control			800-222-12	800-222-1222			
First Aid							
	FIRSTAID						
	Swallowed:	Give water (if conso ATTENTION.	tious). URGENT M	EDICAL			
	Eye:	Wash with running wattention.	water (minimum 1	5 mins). Medical			
	Skin:	Remove contamina PEG or methylated	_	clothing. Swab with glycerin, rit.			
	Inhaled:	Fresh air. Rest, kee oxygen. Medical att	•	arm. If breath shallow, give on.			
		Vegetable oils retard GI absorption. Saline catharsis or activated charcoal. Consider methylene blue for poisoning.			r		

Spill and Accident Procedure

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		PHE	NOL	1		
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MINOR SPILLS						
 Clean up waste regularly and al Avoid breathing dust and conta Wear protective clothing, gloves Use dry clean up procedures ar Vacuum up or sweep up. NOTE grounded during storage and us Dampen with water to prevent of Place in suitable containers for 	ct with skin and s, safety glasse nd avoid genera : Vacuum clear se). dusting before s	d eyes. es and dust respirator. ating dust. ner must be fitted with an exi	haust micro filter (HEPA typ	be) (consider exp	plosion-proof machines designed to be	