WAKE FORES	ST		dard Opera ocedure (SC	-			
			NITRIC ACID				
Effective Dat	e: 8/23/201	13		Revise	ed Date:	10/6/20	022
Introduction						L	
<ul> <li>This SOP applies to Nit</li> <li>➢ Nitric acid is a substances.</li> <li>➢ Nitric acid will</li> </ul>	strong oxidize	-			_	-	
POTENTIAL HAZARDS			<u> </u>				
<ul> <li>Contact with o dichlorometha</li> <li>Nitric acid also agents, ammo</li> </ul>	ane, DMSO, (a p reacts violen	nd many o tly with m	others) may re	esult in fire	s or explo	sions.	s bases, reducing
Health Hazards							
HE	ALTH HAZA		RMATION				
	ř	<p<sup>++</p<sup>	₼! @	Ż > µ <sup>₹</sup>	<u>}</u>		
S	Signal word:	Danger					
		H271 Ma	ay cause fire or	explosion; s	trong oxid	iser.	
		H330 Fa	atal if inhaled.				
	Hazard	H314 Ca	auses severe sk	in burns and	d eye dam	age.	
st	tatement(s):	H335 Ma	ay cause respira	atory irritatio	n.		
		H \$/ \$	ay cause dama olonged or repe				
Personal Protective Eq	uipment						

WAKE FOREST	Stanuaru	Operating <	
	NITRI		-
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YE PROTECTION			
<ul><li>contact the eyes</li><li>➤ Ordinary (street)</li><li>glasses must meet</li></ul>	oggles or face shields shall b (e.g., through vapors or spl prescription glasses do not et the requirements of the Z87.1-1989) and must be e	lashes of solution). t provide adequate protec Practice for Occupational	tion. Adequate safety Education Eye and Face
AND PROTECTION			
➤ Use two (2) pair o	disposable nitrile gloves wh rt for breakthrough time w	-	ls. Check chemical
Laboratory perso	nnel should thoroughly wa n removal of gloves.	-	vater before and
AB COATS, ETC.			
	closed toed shoes, long pa cid. Protective clothing sha	-	-
Vork Practices			
_	act with NITRIC ACID. If glo	oves come into contact fro	om a splash or spill remove
	reas where NITRIC ACID ha	as been used by washing v	vith soap and water after
work is complete ➤ Do not store with	n incompatible material.		
	d: Alkali metals, Organic m	atorials Acotic aphydrida	
Acrylonitrile, Am hexalithium disili Thiols, cadmium, Phosphorus trihy	monia, Crotonaldehyde, Ha cide, Hydrogen peroxide, K Bromine, Copper, Hydrazii dride (phosphine), Diphosp ers, Methyl vinyl ether	alogenated hydrocarbon, / Ketones, metal acetylides, ne, Hydrazinium nitrate, N	Acids, Bases, Metals, Water, Fluorine, Amines, litro compounds,Cyanides
Acrylonitrile, Am hexalithium disili Thiols, cadmium, Phosphorus trihy or paper Polyethe ➤ Do not store in m	cide, Hydrogen peroxide, K Bromine, Copper, Hydrazin dride (phosphine), Diphosp ers, Methyl vinyl ether netal cabinets unless the ca	alogenated hydrocarbon, A Ketones, metal acetylides, ne, Hydrazinium nitrate, N phine, Halides, Organic ha	Acids, Bases, Metals, Water, Fluorine, Amines, litro compounds,Cyanides lides, May set fire to wood
Acrylonitrile, Am hexalithium disili Thiols, cadmium, Phosphorus trihy or paper Polyethe ➤ Do not store in m	cide, Hydrogen peroxide, K Bromine, Copper, Hydrazii dride (phosphine), Diphosp ers, Methyl vinyl ether	alogenated hydrocarbon, A Ketones, metal acetylides, ne, Hydrazinium nitrate, N phine, Halides, Organic ha	Acids, Bases, Metals, Water, Fluorine, Amines, litro compounds,Cyanides lides, May set fire to wood
Acrylonitrile, Am hexalithium disili Thiols, cadmium, Phosphorus trihy or paper Polyethe ➤ Do not store in m	cide, Hydrogen peroxide, K Bromine, Copper, Hydrazin dride (phosphine), Diphosp ers, Methyl vinyl ether netal cabinets unless the ca	alogenated hydrocarbon, A Ketones, metal acetylides, ne, Hydrazinium nitrate, N phine, Halides, Organic ha	Acids, Bases, Metals, Water, Fluorine, Amines, litro compounds,Cyanides lides, May set fire to wood

WAKE FOREST	Standard Op Procedure	-	
		CID	
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x — Must not be stored to + — May be stored to Note: Depending on	GE WITH OTHER CI	LASSIFIED C	based on the table
Data Sheets for each	e stored and handled. Refe h substance or article and r		
<ul> <li>Waste Disposal</li> <li>➤ Chemicals shall not be dra</li> <li>➤ Excess NITRIC ACID and a labeled with the following</li> <li>➤ Contact EHS at x3427 for</li> </ul>	II waste material conta g <b>"HAZARDOUS WAST</b>	aining NITRIC A	ACID must be placed in a contai
Emergency Numbers			
Emergency Numbers:		x5911 (912	1 on cell phone)
E <b>mergency Numbers:</b> Fire and Medical Emergencies Environmental Health and Safety		x5911 (91: x3427	1 on cell phone)

WAKE FOREST		Standard ( Procedu		<	
		NITRIC	CACID		
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Student Health (students	only)		x5218		
Poison Control			800-222-3	1222	
<ul> <li>Urgent hospital treatment is like</li> <li>If swallowed do NOT induce vo</li> <li>If vomiting occurs, lean patient</li> <li>Observe the patient carefully.</li> </ul>	miting.	on left side (head-down po	sition, if possible) to mair	itain open airway	/ and prevent aspiration.
<ul> <li>Never give liquid to a person sl</li> <li>Give water to rinse out mouth,</li> <li>Transport to hospital or doctor</li> </ul>	then provide liquid			-	
EYE CONTACT					
If this product comes in contact with , Immediately hold eyelids apart , Ensure complete irrigation of th , Continue flushing until advised , Transport to hospital or doctor , Removal of contact lenses afte	and flush the eye le eye by keeping to stop by the Po without delay.	eyelids apart and away fro isons Information Centre o	om eye and moving the e r a doctor, or for at least		onally lifting the upper and lower lids.
SKIN CONTACT					
If skin or hair contact occurs:					

If skin or hair contact occurs:

- , Immediately flush body and clothes with large amounts of water, using safety shower if available.
- . Quickly remove all contaminated clothing, including footwear.
- , Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre.
- Transport to hospital, or doctor.

## INHALATION

- , If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor, without delay.
- , Inhalation of vapours or aerosols (mists, fumes) may cause lung oedema.
- . Corrosive substances may cause lung damage (e.g. lung oedema, fluid in the lungs).
- As this reaction may be delayed up to 24 hours after exposure, affected individuals need complete rest (preferably in semi-recumbent posture) and must be kept under medical observation even if no symptoms are (yet) manifested.
- > Before any such manifestation, the administration of a spray containing a dexamethasone derivative or beclomethasone derivative may be considered.

UNIVERSITY		andard Operating Procedure (SOP)	
		NITRIC ACID	
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ill and Accident Proced	ure		
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