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		Room	Period	Date
		SB203	9am - 12:40am	Wed 18/4/18
ysis (Curricul	um and N	4ethodolo	gy B, University of	Adelaide
Standard	d handlin	g procedu	ires	
Inspect and discard any chipped or cracked beakers, no				
	matter how small the damage. Sweep up broken glass			
with brus	sh and du	ustpan; do	o not use fingers.	
Standard	d handlin	g procedu	ires	
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			•	ken glass
with brus	sh and di	ustpan; do	o not use fingers.	
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Standard	d handlin	g procedu	res	
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		rush and	austpan; do not us	se nngers.
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	Inspect a matter h with brus	Inspect and disca matter how small with brush and du d d <i>Standard handlin</i> Inspect and disca matter how small	Inspect and discard any chi matter how small the dama with brush and dustpan; do d d <i>Standard handling procedu</i> Inspect and discard any chi matter how small the dama	matter how small the damage. Sweep up bro with brush and dustpan; do not use fingers.

Potential hazards

Roaring flame is very hot and can cause severe burns. Rapid passage of hand through fully luminous flame usually does not result in a burn. Roaring bunsen burner may "burn back" at low gas flow, with flame emerging from air holes in base; this makes the base of the burner hot to touch and liable to cause burns. Gas from gas tap or from end of rubber tube burns with large luminous flame, likely to cause burns. Rubber hose is easily melted by flame from burner, e.g. if burner knocked over, resulting in fire from burn hole in tube. Ensure hair is tied back, so does not catch alight.

distillation apparatus

Potential hazards

Glass equipment may break. Hot vapours may cause burns. Breakage of distillation flask will liberate contents, possibly resulting in a fire, if contents are flammable and an ignition source is present. Sudden boiling of superheated contents ("bumping") may cause

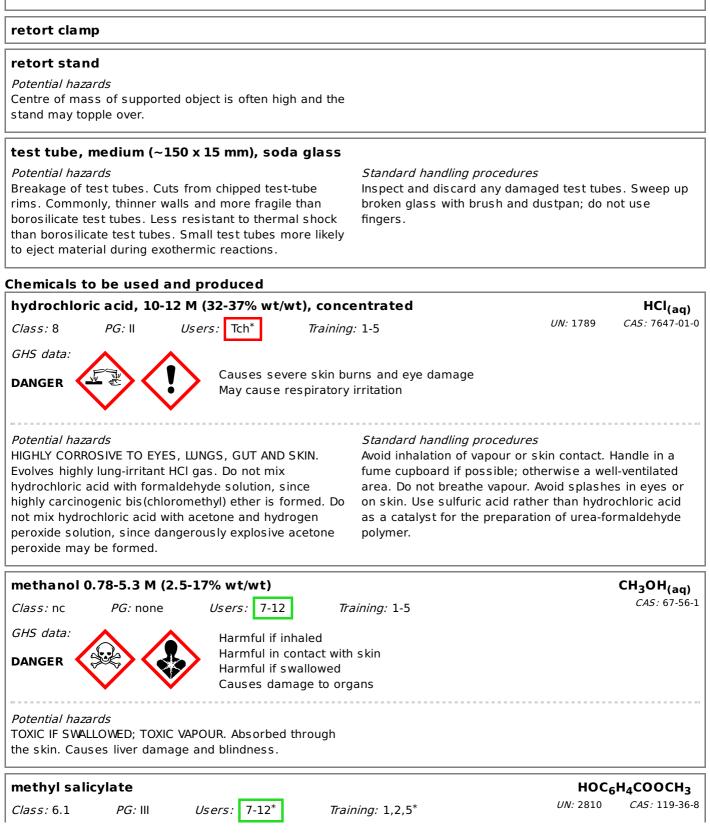
Standard handling procedures

Inspect and clean the jet and base of bunsen burners regularly. Inspect and replace tube whenever any sign of wear or damage is noticed. Use only hoses of the correct size to ensure a comfortable fit on both bunsen burner and gas tap.

Standard handling procedures

Store and handle distillation apparatus with care. Sweep up broken glass with brush and dustpan; do not use fingers.

the still head to fly off and boiling liquid/vapour to spray upwards. Add boiling chips to cold liquid to encourage controlled boiling; never add boiling chips to hot liquid.



flask, pear shaped, small (<100 mL)

Potential hazards

Bottom of flask prone to crack or break if dropped; chips around rim may cause cuts. Pear shaped flask generally stronger than other shapes; only use pear shaped or round bottom flasks for vacuum distillations.

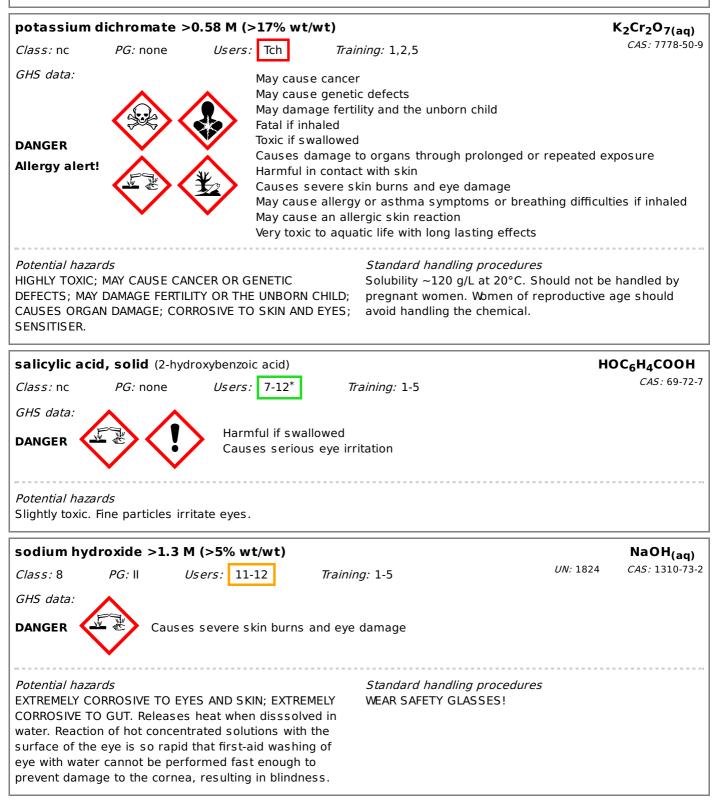
Standard handling procedures

Inspect and discard any chipped or cracked flasks no matter how small the damage. Sweep up broken glass with brush and dustpan; do not use fingers. GHS data:

Harmful if swallowed Causes skin irritation Causes serious eye irritation

Potential hazards

Slightly toxic. Powerful odour. Eye, skin and lung irritant.



Others

Traffic --- lots of students packed into a room, occasionally all going to the same place for the same thing, bumping into each other holding glassware and chemicals.

Knowledge

I/we have read and understood the potential hazards and standard handling procedures of all the equipment, chemicals and living organisms.

I/we have read and understood the (Material) Safety Data Sheets for all chemicals used and produced.

I/we have copies of the (Material) Safety Data Sheets of all the chemicals available in or near the laboratory.

Agreement by student(s)

I/we, Lyron Winderbaum, agree to conduct this experiment safely in accordance with school rules and teacher instructions.

Risk assessment

I/we have considered the risks of:

fire explosion	breakage of equipment cuts from equipment	electrical shock escape of pathogens	radiation waste disposal
1			
chemicals in eyes	sharp objects	heavy lifting	inappropriate behaviour
inhalation of gas/dust	rotating equipment	slipping, tripping, falling	allergies
chemicals on skin	vibration and noise	falling objects	special needs
runaway reaction	pressure	heat and cold	other risks

Assessment by student(s)

I/we have assessed the risks associated with performing this experiment in the classroom on the basis of likelihood and consequences using the School's risk matrix, according to International Organization for Standardization Standard ISO 31000:2009 and the Risk Management Guidelines, HB 436:2013.

I/we consider the inherent level of risk (risk level without control measures) to be:

Low risk Medium risk High risk Extreme risk

Risks will therefore be managed by routine procedures in the classroom.

Certification by teacher

I have assessed the risks associated with performing this experiment in the classroom on the basis of likelihood and consequences using the School's risk matrix, according to International Organization for Standardization Standard ISO 31000:2009 and the Risk Management Guidelines, HB 436:2013. I confirm that the risk level and control measures entered by student(s) above are correct and appropriate.

Name:

Signature: _____ Date: _____

Certification by Laboratory Technician

I have assessed the risks associated with preparing the equipment, chemicals and living organisms for this experiment and subsequently cleaning up after the experiment and disposing of wastes, on the basis of likelihood and consequences using the School's risk matrix, according to International Organization for Standardization Standard ISO 31000:2009 and the Risk Management Guidelines, HB 436:2013.

I consider the inherent level of risk (risk level without control measures) to be:

🗌 Low risk 🔄 Medium risk 🔄 High risk 🔲 Extreme risk

Where the risk level is "medium risk", "high risk" or "extreme risk", the following control measures will be employed:

Control measures	(attach furthe	r pages as req	uired):		
safety glasses	gloves	lab coat	apron	fume cupboard	
				at all the risks are "low risk". Risks will therefore be ation with the specified control measures.	
Name:		Signature:		Date:	
Monitoring and	review				
This risk assessme certification.	ent will be mor	nitored using co	omments belo	ow and will be reviewed within 15 months from the dat	e of

Attach further pages as required