



MONASH
University

MALAYSIA

LAB SAFETY INDUCTION

SCHOOL OF ENGINEERING

An Introductory Lab House Rules Briefing by:

Lab Management Office



NAVIGATION

- **General safety procedure & PPE.**
- **Laboratory technical staff contact.**
- **How to deal with an emergency?**
- **SARAH+ & how to report a hazard or incident in the lab?**
- **Know your lab emergency equipment and learn how to use them**
- **How to safely work in the lab?**
- **Understanding Risk Assessment and Risk Control**
- **Managing chemicals and waste in the lab**
- **Chemical Labelling**
- **Chemwatch**
- **Managing Scheduled Waste**
- **Scheduled Waste Labelling**
- **Working with Laboratory Equipment**

Laboratory House Rules

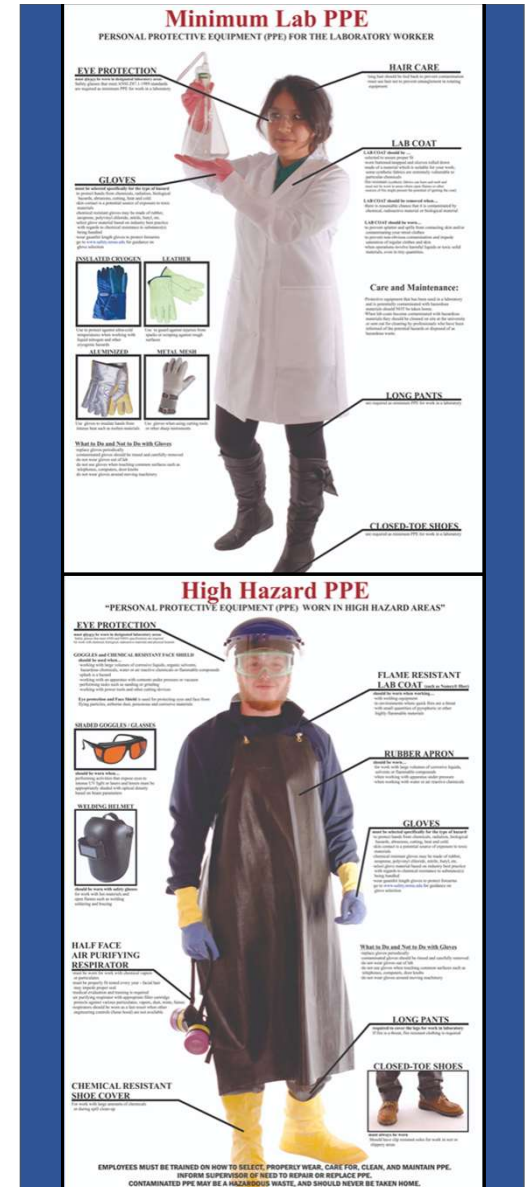
General & Personal Safety Procedures

- **All accidents**, no matter how minor, **should be reported** to the School/Staff member supervising the laboratory or, if unavailable, call **333** from internal phone or **03-55146333**.
- **Bags. DO NOT** leave bags in the hallway outside the laboratory. All bags must be stored in the lockers provided outside of the laboratories, under the benches and cupboards, and well away from the walkways to avoid tripping over.
- **No food in the laboratories**. It is against the university safety guidelines for any food or drink to be present in any laboratory unless it is used for specific supervised experiment.
- **No smoking**. Monash University at Sunway Campus is a non-smoking campus.
- **Workplace** must be kept tidy and clean
- **Avoid working alone** in laboratory. Obtain approval from your supervisor.

Laboratory House Rules

Personal Protective Equipment (PPE)

- **Students and Staff must observe safety requirements given at the beginning of each laboratory session.** All laboratory experiments must have additional safety requirements and you will be told at the beginning of the practical session. Make sure you observe the safety requirements.
- **Laboratory coats.** This must be worn at all times when working in the laboratory.
- **Eye protection.** Safety glasses or face shield must be worn whenever provided in the laboratory. The wearing of contact lenses is not considered to be a substitute for the wearing of eye protection provided
- **Footwear.** Students must wear shoes that are closed-in. Sandals; opened toed or high heeled shoes are not permitted in the laboratory
- **Gloves.** Students are required to wear an appropriate for the hazardous materials.



Who to reach during an emergency?

	NAME	TITLE	CONTACT	ROOM	EMAIL
	Wong Cheng Yeow (Daniel)	Lab manager	603-5514 6000 (Ext: 46183)	MHub Lvl 7	wong.cheng.yeow@monash.edu
CHEMICAL	Nurul Hidayah Binti A. Rahman	Principal Technical Officer	03-55144462 (Ext: 44462)	5-5-39	nurul.hidayah@monash.edu
	Dzulhafiz Said Hasbi	Senior Technical Officer	03-55146210 (Ext: 46210)	5-5-37A	dzulhafizsaid.hasbi@monash.edu
	Nur Azreen Binti Ariffin	Senior Technical Officer	03-55146260 (Ext: 46260)	5-5-35	nur.azreen@monash.edu
	Mohammad Firdaus Bin Jamaludin	Senior Technical Officer	03-55146260 (Ext: 46260)	5-5-35	firdaus.jamaludin@monash.edu
CIVIL	Amir Syafiq Bin Samsudin	Senior Technical Officer	03-55144489 (Ext: 44489)	5-2-22	Amir.Syafiq@monash.edu
	Muhammad Afiq Fadhly Bin Anuwar	Senior Technical Officer	03-55144482 (Ext: 44482)	5-2-22	muhammad.afiq.fadhly@monash.edu
	Nur Liyana Afifah Binti Zar Khan	Senior Technical Officer	03-55144464 (Ext: 44464)	5-2-16	nur.liyana@monash.edu
	Hadzrin Hafidz	Technical Officer	03-55145615 (Ext: 45615)	5-3-17	Hadzrin.Hafidz@monash.edu
ECSE	Murugan @ Suresh A/L Suppiah	Principal Technical Officer	03-55146262 (Ext: 46262)	5-2-13	murugan.suppiah@monash.edu
	Ku Nurul Fatiah binti Ku Mamat	Senior Technical Officer	03-55144466 (Ext: 44466)	5-2-11	kunurul.fatihah@monash.edu
	Muzaiyanah Hidayab	Senior Technical Officer	03-55145871 (Ext: 45871)	5-8-02	Muzaiyanah.Hidayab@monash.edu
	Wan Nurul Aimi Mohd Sallehuddin	Technical Officer	03-55144466 (Ext: 44466)	5-2-11	wannurulaimi.mohdsallehuddin@monash.edu
MECHANICAL	Azlan Bin Abdul Aziz	Senior Technical Officer	03-55146263 (Ext: 46263)	5-3-02	azlan@monash.edu
	Mohamad Hanif Bin Abdul Kahar	Senior Technical Officer	03-55159600 (Ext: 59600)	4-1-09A	mohamad.hanif@monash.edu
	Vacant	Technical Officer	03-55146263 (Ext: 46263)	5-1-03	
	Muhammad Nasuha Bin Mazha	Senior Technical Officer	03-55146089 (Ext: 46089)	5-1-03	nasuha.mazha@monash.edu
MECHATRONICS	Khilal Bin Othman	Principal Technical Officer	03-55146267 (Ext: 46267)	5-3-10	Khilal.Othman@monash.edu
	Muhamad Fadhlur Rahman Bin Abdul Rahman	Senior Technical Officer	03-55159674 (Ext: 59674)	5-3-07	fadhlur.rahman@monash.edu
	Tharmaa A/L Varatharaja	Senior Technical Officer	03-55159687 (Ext: 59687)	5-6-07	tharmaa.varatharaja@monash.edu
SoIT	Bathmanathan A/L Arjuna	Senior Technical Officer	03-55146265 (Ext: 46265)	2-4-11	bathmanathan@monash.edu
NAP	Afiq Bin Anwar	Senior Technical Officer	03-55145649 (Ext: 45649)	5-1-06	Afiq.Anwar@monash.edu
	Azarudin Bin Ahmad	Senior Technical Officer	03-55145649 (Ext: 45649)	5-1-06	azarudin.ahmad@monash.edu

How to deal with an emergency?

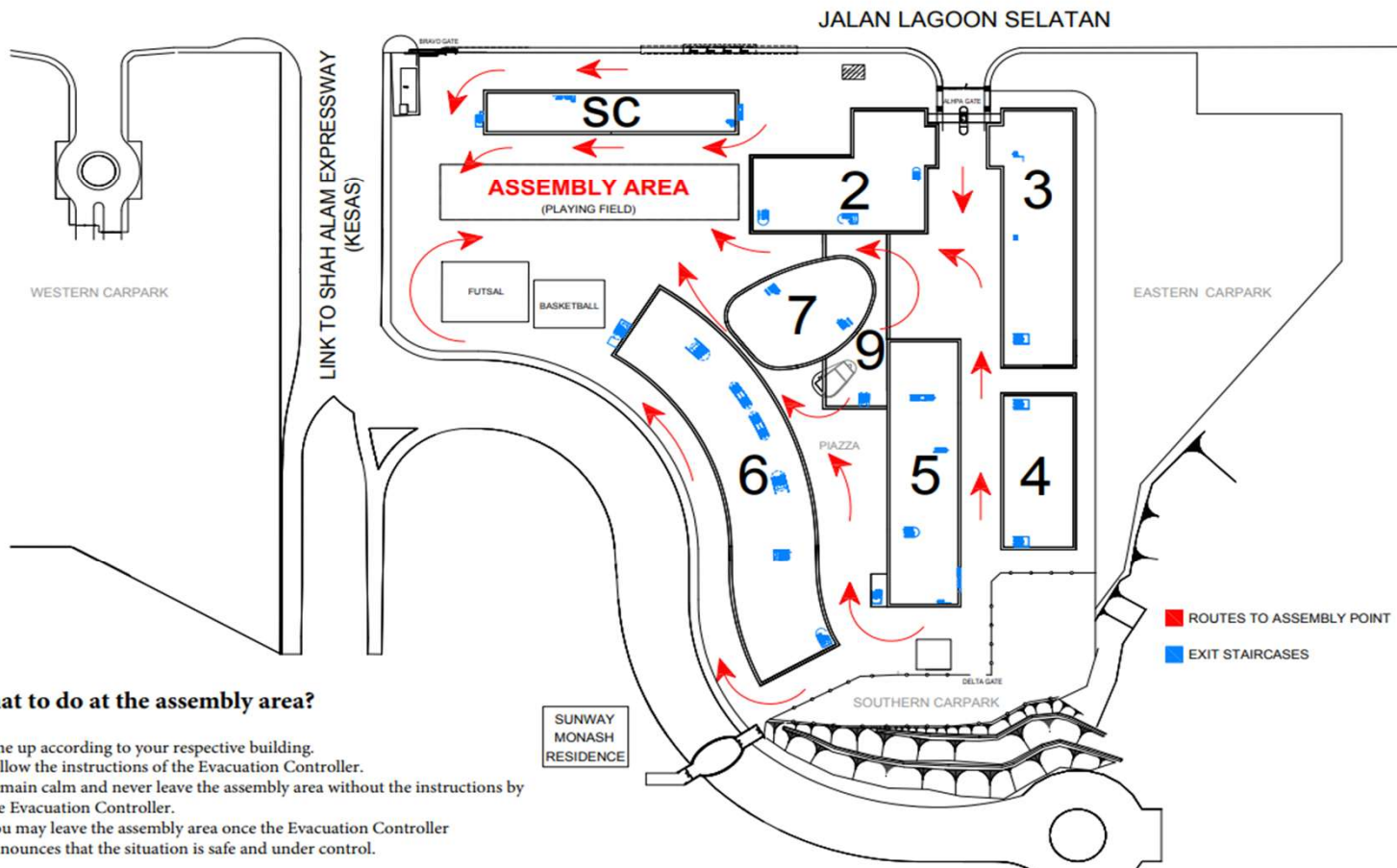


DOs

- If the alarm goes off while you're working in a lab:
 - ◆ Inform the nearest Technical Officer (TO) / Staff member
- Is there any equipment that needs to be shut off? Shut off gas supply as an example.
- Any chemicals to put away?
- Experiment in progress? Inform your supervisor or Technical Officer accordingly.
- Do keep calm
- Walk to the Assembly Area using the nearest staircase.

MONASH UNIVERSITY MALAYSIA EMERGENCY ASSEMBLY MAP

BRT DEPOT



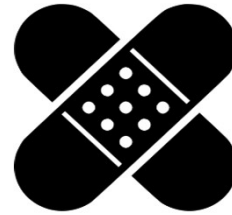
What to do at the assembly area?

- 1) Line up according to your respective building.
- 2) Follow the instructions of the Evacuation Controller.
- 3) Remain calm and never leave the assembly area without the instructions by the Evacuation Controller.
- 4) You may leave the assembly area once the Evacuation Controller announces that the situation is safe and under control.

How to deal with an emergency?

If you are injured (Wound cuts, burns etc),

- Inform the nearest Technical Officer (TO)/ Staff member/ Supervisor
- Use the nearest first aid kit (if you use any first aid item, inform the first aider)
- Contact a First Aider if you need first aid



If there is a spill,

- Inform the nearest Technical Officer (TO)/ Staff member/ Supervisor
- Use the chemical spill kit to control, contain and clean the spill



If you inhaled any chemical or gas,

- Inhalation is the most common risk due to chemical use.
- Always use a fume hood.
- If you feel unwell, inform your lab tech.



How to deal with an emergency?

If there's a splash (body/eyes etc),

- Use an emergency eye wash or emergency shower (15 - 20 mins)
- Remove contaminated clothing immediately
- Inform the Technical Officer / Supervisor





If there's a fire,

- If you know how to use a fire extinguisher, evaluate the situation and put off the fire
- Or else, break the nearest fire alarm glass and leave the area and head to the Assembly Area
- Leave your belongings and proceed to evacuate.




Emergency procedure














EMERGENCY PROCEDURES

Scan me



This QR Code will take you to a full version of the Monash University Malaysia Emergency Procedures

LIFE-THREATENING EMERGENCY	NON LIFE-THREATENING EMERGENCY
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p style="text-align: center; background-color: #0056b3; color: white; padding: 2px;">STEP 1</p> <p style="font-size: 8px;"> Call for ambulance / fire / police at 999</p> </div> <div style="width: 48%;"> <p style="text-align: center; background-color: #0056b3; color: white; padding: 2px;">STEP 2</p> <p style="font-size: 8px;">Notify Security on 333 (Monash Landline) or 03-55146333 (External Phone)</p> </div> </div>	<p style="font-size: 8px;">Notify Security on 333 (Monash Landline) or 03-55146333 (External Phone)</p>
<div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 10px; font-size: 8px;"> <ul style="list-style-type: none"> Prepare to evacuate upon hearing the alert tone Stay calm Follow instructions of the Emergency Wardens Do not use lifts Do not re-enter the building until authorised by the Building Warden. De-activation of the evacuation tone is not an indication to re-enter the building </div> </div> <p style="font-size: 8px;">Emergency Evacuations</p>	<div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 10px; font-size: 8px;"> <ul style="list-style-type: none"> If safe to do so, close doors and isolate fan/smoke where possible Clear affected area of personnel If a fire cannot be extinguished or is out of control, activate "break-glass" alarm, and evacuate building </div> </div> <p style="font-size: 8px;">Fire</p>
<div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 10px; font-size: 8px;"> <ul style="list-style-type: none"> Isolate the hazard by restricting access to the contaminated area Use an emergency shower if required Avoid the creation of aerosols Notify Security on 333 (Monash Landline) or 03-55146333 (External Phone) </div> </div> <p style="font-size: 8px;">Biohazard Spill</p>	<div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 10px; font-size: 8px;"> <ul style="list-style-type: none"> Activate "break-glass" alarm and evacuate the immediate area Notify Security on 333 (Monash Landline) or 03-55146333 (External Phone) </div> </div> <p style="font-size: 8px;">Radiation or Chemical Spill or Gas Leak</p>
<div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 10px; font-size: 8px;"> <ul style="list-style-type: none"> Care for patient and call for help Contact a First Aid Officer within the building, or send someone to ring the Ambulance Service Notify Security on 333 (Monash Landline) or 03-55146333 (External Phone) </div> </div> <p style="font-size: 8px;">Personal Injury</p>	<div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 10px; font-size: 8px;"> <ul style="list-style-type: none"> Note description of intruder and report intruder to Security on 333 (Monash Landline) or 03-55146333 (External Phone) If confronted, obey intruder's instructions </div> </div> <p style="font-size: 8px;">Intruder</p>
<div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 10px; font-size: 8px;"> <ul style="list-style-type: none"> Keep calm Treat all threats as genuine Record exact information for Emergency Services Notify Security on 333 (Monash Landline) or 03-55146333 (External Phone) </div> </div> <p style="font-size: 8px;">Bomb Threat or Suspicious Mail</p>	<div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="margin-left: 10px; font-size: 8px;"> <ul style="list-style-type: none"> ESCAPE - Take cover initially, but attempt to leave the area as soon as it is safe to do so HIDE - If you don't believe you can safely evacuate, then you may need to consider sheltering in place TELL - Try to contact police (999) or notify Security on 333 (Monash Landline) or 03-55146333 (External Phone) to advise of your location and situation </div> </div> <p style="font-size: 8px;">Armed Offender</p>

Produced by Marketing and Future Students, Monash University Malaysia. October 2021.

**Notify Security on
333 (Monash Landline)
or
03-55146333 (External Phone)**

How to report a hazard or incident in the lab?

- Inform the Technical Officer / Supervisor
- Lodge an incident / accident to OHSE via the Hazard & Incident Reporting form online via Safety & Risk Analysis Hub (S.A.R.A.H). Link: [Safety And Risk Analysis Hub \(S.A.R.A.H.+\)](#)

The screenshot shows the SARAH+ Dashboard interface. The top navigation bar includes the SARAH+ logo, a Dashboard link, and utility icons for home, notifications, help, settings, and user profile. A Refresh button is located below the navigation bar. The main content area is divided into two sections: 'I want to...' and 'Notification Centre'. The 'I want to...' section features a blue and white striped header and contains two lists of tasks. The first list, 'Welcome to SARAH+: today I would like to:', includes: Report a [Hazard or an Incident](#); Conduct a [Risk Assessment](#); Perform a [Workplace Inspection](#); Enter a [Building Evacuation Record](#); Enter an [Event Risk Management Plan \(ERMP\)](#); Provide Your Health, Safety and Wellbeing related [Feedback](#); and View [SARAH related training videos](#). The second list, 'As a Manager or Supervisor, today I would like to:', includes: Appoint a Safety Related Role: 1. Click on the "Mv User Settings" (the Cog icon - too right corner).

Slide 11

- 1 @muhammad.afdzal@monash.edu please CONFIRM if HDR students can access SARAH system
Nurullhudda Zainal, 22/11/2020

What is S.A.R.A.H +. ?

Safety and Risk Analysis Hub is the University's online reporting tool which enables staff and students to report any OHS related near misses, hazards and incidents

Don't wait any longer and report all near misses and hazards around you because you can prevent an injury !



Know your lab emergency equipment and learn how to use them

Learn how to use the equipment by clicking on their respective links:

- [Fire Extinguisher](#)
- [First Aid Kit](#)
- [Emergency Eye Wash](#)
- [Emergency Safety Shower](#)
- [Appropriate Spill Kit \(chemical and biological\)](#)
- [Safety Cabinet \(for chemicals - solid, solvents\)](#)
- [Fume Hood](#)
- [Biosafety Cabinet](#)
- Emergency Phone
- Break Glass Fire Alarm

****DO NOT BLOCK ACCESS** to any of these equipment/items.

Examples of lab emergency equipment



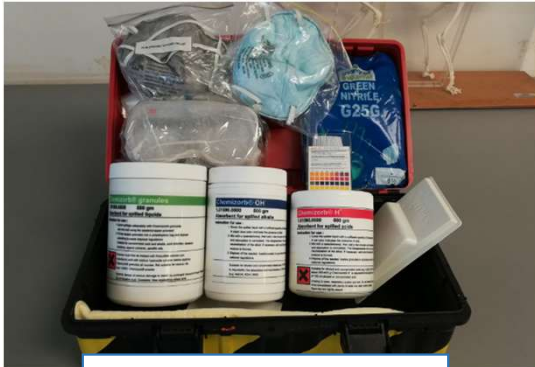
Eyewash Station



First Aid Kit



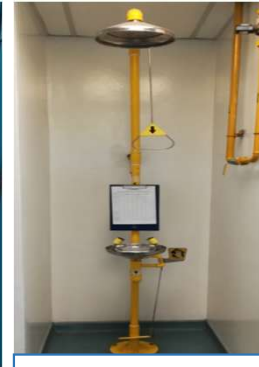
Fire Extinguisher



Spill Kit



Safety Cabinet



Emergency Shower

How to safely work in the lab?



DOs

- **Must observe safety requirements given at the beginning of each laboratory session.**
- **Wear lab coats. This must be worn at all times when working in the laboratory.**
- **Wear safety goggles**
- **Wear covered footwear**
- **Wear gloves and heat-resistant glove when heating substance**



DON'Ts

- **Do not leave bags unattended**
- **No food and drink is allowed in the laboratories.**
- **Do not leave work area untidy.**
- **Do not work alone in the lab.**

Understanding Risk Assessment and Risk Control

This is a tool for you to know what are the dangers in the work you are doing. i.e. hazards, risks

Where can you get it?

- Learn and do it yourself via this [link](#)
- Ask your supervisor
- Ask TO
- Listen to the briefing done by tutor before experime

What is “risk control”?

The steps we have taken to make the activity is safe.

For example, use of gloves, fume hoods etc.

These controls will keep us and others safe in the lab.

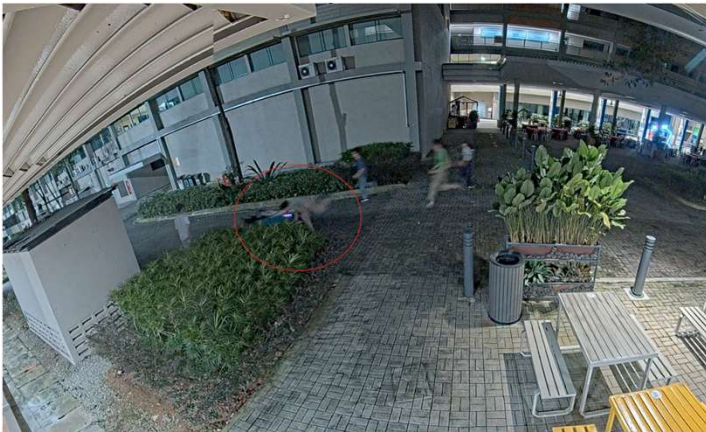


Managing chemicals and waste in the lab

- Practice proper chemical segregation and labelling
- Take and use chemicals in adequate amount
- Use Chemwatch to monitor and manage your chemicals
- Read, understand and keep a copy of the SDS (Safety Data Sheet)
- Wear your personal protective equipment (PPE). Eg: lab coat, gloves, goggles etc
- Ensure proper ventilation in the lab
- Maintain good housekeeping
- Segregate, label and place wastes (chemical, biological, general waste) appropriately
- Never keep waste for more than 6 months in the lab



2025 Incident



Conclusion

Last but not least

- **Safety is everybody's responsibility, If you are careful everybody will be safe too**
- Making a small mistake could cause serious incident to happen
- **Prevention is better than cure**

It is very important to know that safety is about learning how to carry out laboratory work safely and not only about rules and regulations.

Working safely is a basic responsibility of everyone.

Report any safety concerns and hazards to your supervisor, laboratory staff or your Safety Officer.



REFERENCE

Useful Website Links

1. [Covid-19 Update](#)
2. [Occupational Health & Safety](#)

Laboratory Safety Quiz



THANK YOU

BE SAFE AND STAY SAFE !



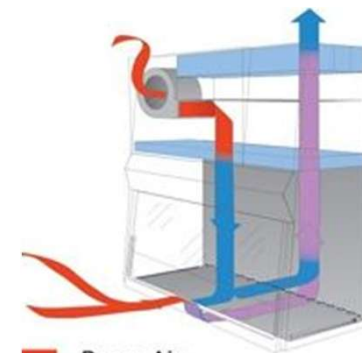
Working with Biosafety Cabinet

The following is recommended to avoid most sources of contamination:

- Disinfect work surfaces before and after working to minimize and eliminate surface contamination.
- Disinfect or sterilize materials brought into the hood.
- Disinfect gloves after touching a non-sterile surface outside the BSC's
- Practice aseptic technique.
- **Do not block** the air intake grills in the front or back of the work surface
- **Do not store** materials in the BSC's as they may disrupt airflow
- **Do not place** BSC's in high traffic areas or near doors
- Avoid using volatile chemicals in the BSC

To clean a spill, inform your technical officer and refer to the spill management procedure.

Use sterile water to rinse the area to prevent corrosion inside the cabinet.



- Room Air
- HEPA-Filtered Air
- Contaminated Air
-Negative Pressure









Chemical Labelling

New Chemical Labels

Correct label needs to be placed on all chemicals that is transferred to another smaller container.

→ Must have labels identifying the chemical, concentration, hazards and the name of the person using it and the date it was prepared

Product ID: User : Prep date : Read SDS before use	DANGER 	<table border="1"> <tr> <td>Product ID</td> <td></td> </tr> <tr> <td>Signal Word</td> <td> <input type="checkbox"/> DANGER <input type="checkbox"/> WARNING <input type="checkbox"/> N/A </td> </tr> <tr> <td>Supplier ID</td> <td></td> </tr> </table>	Product ID		Signal Word	<input type="checkbox"/> DANGER <input type="checkbox"/> WARNING <input type="checkbox"/> N/A	Supplier ID					
Product ID												
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Product ID: User : Prep date : Read SDS before use	DANGER 	<table border="1"> <tr> <td> <input type="checkbox"/> </td> <td> <input type="checkbox"/> </td> <td> <input type="checkbox"/> </td> </tr> <tr> <td> <input type="checkbox"/> </td> <td> <input type="checkbox"/> </td> <td> <input type="checkbox"/> </td> </tr> <tr> <td> <input type="checkbox"/> </td> <td> <input type="checkbox"/> </td> <td> <input type="checkbox"/> </td> </tr> </table>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
Product ID: User : Prep date : Read SDS before use	WARNING 	User : Prep date : Supervisor : Concentration : Read safety data sheet before use										

Chemwatch

What is Chemwatch?

Chemwatch is the mandatory tool for managing chemical registers. Chemwatch is an online chemical management system that allows users to create their local chemical registers to help **keep track of their chemical inventories** and provides access to **Safety Data Sheets (SDS)**. Users are required to update the chemical manifest in Chemwatch whenever they receive any new chemicals, or when any chemicals are finished and discarded. The quantity in the Chemwatch should be tally with the physical quantity available in labs at all times.

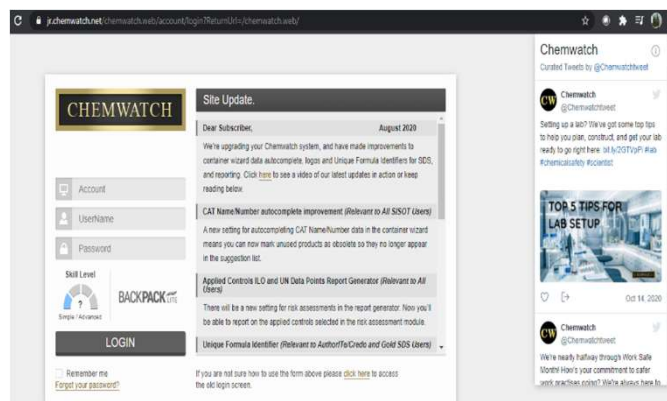
Locate Site:

<https://www.monash.edu/ohs/info-docs/safety-topics/chemical-management/chemwatch>

If you need access contact your lab management office

(Mr. Daniel Wong Cheng Yeow

wong.cheng.yeow@monash.edu)



Chemical Storage

To store chemicals in the cabinets, take note of the following measures and rules of conduct:

- Read and understand the restrictions mixed storage of chemicals from the poster provided in the rooms
- Read the SDS (Safety Data Sheet) and keep a copy of the SDS in the file provided
- Read and understand the spill control measures.
- Do not store large volume of chemicals in the laboratory
- Prepare chemical reagents in small quantity enough for your bench work



Managing Scheduled Waste

SCHEDULED WASTE – Any waste from your lab activity that is dangerous and can affect the public health and environment

Eg: gloves that are contaminated with chemicals, syringes etc

a) Biological Waste (Infectious and Potentially Infectious Waste)

- All biohazard materials and all contaminated equipment/apparatus should be sterilized (autoclaved) before being washed, stored and discarded
- For solid wastes, put the waste in a heavy duty autoclavable plastic bag with a biohazard symbol (Blue/clear)
- All biological waste is put in the biohazard bin in the laboratory for the disposal
- Sharp items go into the yellow plastic 'Sharps Bin'



a) Chemical Waste

- Must be properly segregated
- Do not use dented, damaged or broken containers for disposal
- Dispose empty chemical containers too. Do not recycle containers
- It is forbidden to dispose chemical into the sink or the sewage



Managing Chemical Waste

Chemical in solid form (powder etc.) should be disposed in the original container with full information on the material

- **Hydrofluoric Acid (HF)** - should be disposed in polypropylene container.
- **Nitric Acid, concentrated** - should be disposed in a glass bottle
- **Halogen Solvents** (Such as Chloroform, Methyl Chloride) - should be disposed in glass bottle

Prior to disposal of waste,

- Identify and use the right printed label provided.
- SDS shall be referred to when deciding the waste categories for segregation.
- Fill up necessary information on the printed label. Make sure the writing is clear and legible.
- Paste the printed label on the waste container provided.

 <p>CORROSIVE LIQUIDS/SOLIDS</p> <p>WASTE CODE: HAZID: HAZID2: HAZID3: HAZID4: HAZID5: DATE: LOCATION:</p> <p>ADDRESS & TEL NO.: Unit 1, Monash University, Clayton VIC 3168 Tel: 03 9594 1000</p> <p>Tick the appropriate waste stream for this container: Acid Alkaline Oxidant Reducant Solvent Lab Wash Other:</p>	 <p>TOXIC LIQUIDS/SOLIDS</p> <p>WASTE CODE: HAZID: HAZID2: HAZID3: HAZID4: HAZID5: DATE: LOCATION:</p> <p>ADDRESS & TEL NO.: Unit 1, Monash University, Clayton VIC 3168 Tel: 03 9594 1000</p> <p>Tick the appropriate waste stream for this container: Acid Alkaline Oxidant Reducant Solvent Lab Wash Other:</p>	 <p>FLAMMABLE LIQUIDS/SOLIDS</p> <p>WASTE CODE: HAZID: HAZID2: HAZID3: HAZID4: HAZID5: DATE: LOCATION:</p> <p>ADDRESS & TEL NO.: Unit 1, Monash University, Clayton VIC 3168 Tel: 03 9594 1000</p> <p>Tick the appropriate waste stream for this container: Acid Alkaline Oxidant Reducant Solvent Lab Wash Other:</p>	 <p>OXIDISING LIQUIDS/SOLIDS</p> <p>WASTE CODE: HAZID: HAZID2: HAZID3: HAZID4: HAZID5: DATE: LOCATION:</p> <p>ADDRESS & TEL NO.: Unit 1, Monash University, Clayton VIC 3168 Tel: 03 9594 1000</p> <p>Tick the appropriate waste stream for this container: Acid Alkaline Oxidant Reducant Solvent Lab Wash Other:</p>	 <p>HIGHLY FLAMMABLE AND HIGHLY OXIDISING LIQUIDS/SOLIDS</p> <p>WASTE CODE: HAZID: HAZID2: HAZID3: HAZID4: HAZID5: DATE: LOCATION:</p> <p>ADDRESS & TEL NO.: Unit 1, Monash University, Clayton VIC 3168 Tel: 03 9594 1000</p> <p>Tick the appropriate waste stream for this container: Acid Alkaline Oxidant Reducant Solvent Lab Wash Other:</p>	 <p>CORROSIVE AND TOXIC LIQUIDS/SOLIDS</p> <p>WASTE CODE: HAZID: HAZID2: HAZID3: HAZID4: HAZID5: DATE: LOCATION:</p> <p>ADDRESS & TEL NO.: Unit 1, Monash University, Clayton VIC 3168 Tel: 03 9594 1000</p> <p>Tick the appropriate waste stream for this container: Acid Alkaline Oxidant Reducant Solvent Lab Wash Other:</p>
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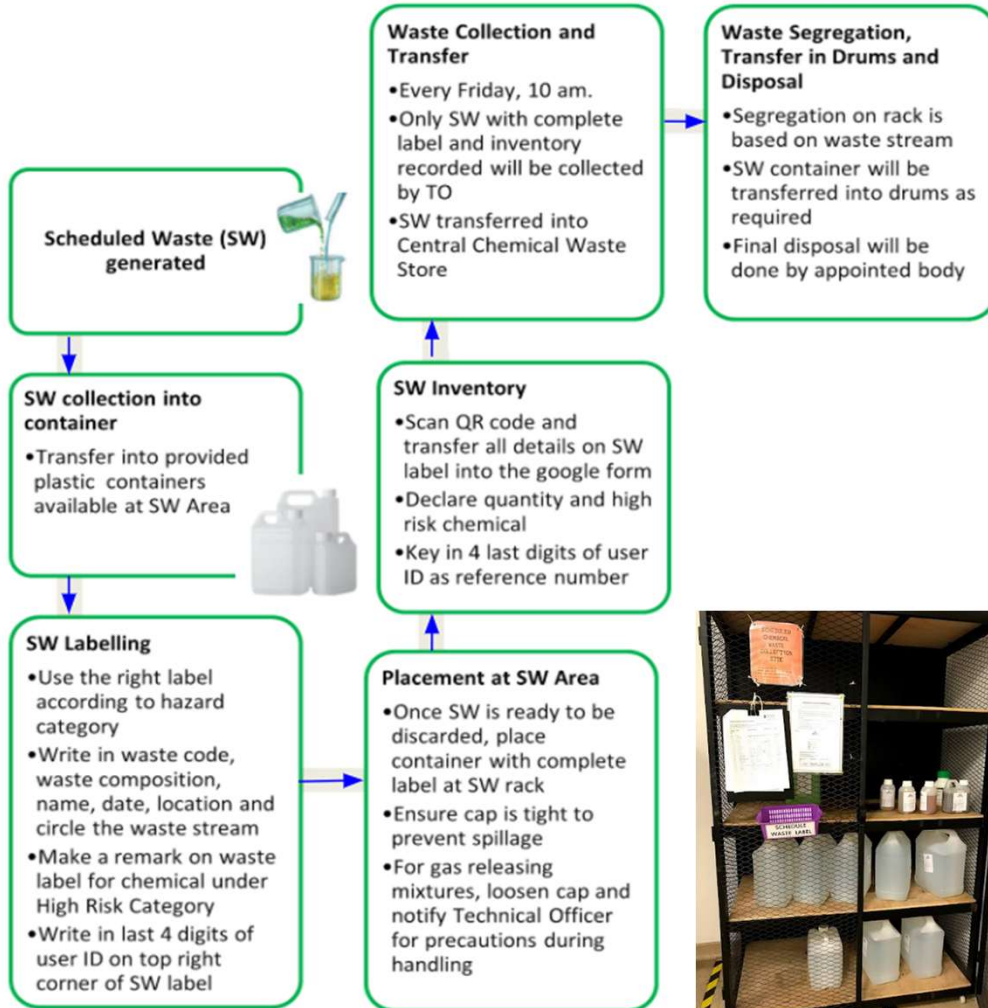
Chemical Waste Labeling

Schedule Waste Code:-

No	Waste Code	Description	Category	Type of Waste Stream
1	SW 430	Chemicals that are discarded or off specification	Toxic/ Inflammable/ Inflammable and Toxic	Solvent/Neutral pH /Reagent
2	SW 430	Chemicals that are discarded or off specification	Corrosive	Acidic Waste
3	SW 430	Chemicals that are discarded or off specification	Corrosive	Alkaline Waste
4	SW 430	Chemicals that are discarded or off specification	Oxidizer	Oxidizing Waste
5	SW 410	Rags, plastics, papers, contaminated gloves, metal mesh or filters contaminated with Scheduled Waste	Toxic	Contaminated Lab Trash
6	SW 409	Disposed containers contaminated with Scheduled Waste	Toxic	Contaminated Containers
7	SW 404	Biological waste	Infectious	Biological/ Clinical waste
8	SW 311	Waste Oil	Inflammable	Waste of oil and oily sludge
9	SW 109	Mercury Waste	Toxic	Mercury Waste

Scheduled Waste Disposal Procedures

Ref No: 4749	
 CORROSIVE	
CORROSIVE SUBSTANCES (WASTE)	
WASTE CODE:	SW430
WASTE COMPOSITION:	Hydrochloric acid, methyl orange, phenolphthalein titration waste
NAME OF WASTE GENERATOR:	Nurul
DATE:	11/10/21
LOCATION:	5540
<small>MONASH UNIVERSITY MALAYSIA, JALAN LAGOOR SELATAN, 47500 BANDAR SUNGWAY, SELANGOR DARUL EHSAN / 03-55148000</small>	
Circle the appropriate waste stream for this container:	
<input checked="" type="radio"/> Acid <input type="radio"/> Aqueous <input type="radio"/> Caustic <input type="radio"/> Reagent <input type="radio"/> Solvent	
Lab trash: Other: _____	



SCHEDULED WASTE INVENTORY



(URL: <https://forms.gle/MH6TSmobJCSh7qx5>)

Scheduled Waste Inventory

Scheduled Waste inventory is required by the Environmental Quality (Scheduled Wastes) Regulations 2005 to capture all waste generated on campus into a centralise inventory.

* Required

Email *

School *

Waste Disposal

- **DO NOT** throw any chemical products down to drain.
- **DO NOT** mix various chemical waste indiscriminately!
- **DO NOT** evaporate chemical waste in fume hood.
- **Label** all waste product according to the label provided in the laboratory.
- Place all your waste bottles in chemical storage room.
- Dispose all the broken glassware into a proper container.
- Sharps disposal, (e.g. syringes), throw in assigned container in the laboratory.



Used gloves and tissues



TOXIC SUBSTANCES (WASTE)	
WASTE CODE:	
WASTE COMPOSITION:	
NAME OF WASTE GENERATOR:	
DATE:	LOCATION:
ADDRESS & TEL. NO. (if used, avoid sending outside business hours)	
Choose the appropriate waste stream for this container:	
Acid	Base
Solvent	Oil
Lab Trash	Other:
WASTE RECORD NUMBER (FOR SCHOOLS OF ENGINEERING USE)	

Fume Hood Guidelines

- Conduct all operations that involve hazardous chemicals inside a hood.
- Minimize storage of chemicals or apparatus in the hood.
- Keep the hood sash closed at all times except when the hood is in use.
- Minimize foot traffic and other forms of potential air disturbances past the face of the hood
- Do not have sources of ignition inside the hood when flammable liquids or gases are present
- Use sash as a safety shield when boiling liquids or conducting an experiment with reactive chemicals. Nevertheless, safety goggles must be used

