



Wet Processing Laboratory- 01
Department of Textile Engineering
Ahsanullah University of Science and Technology (AUST)

General Lab Safety Rules

Wear PPE: Face mask and closed-toe shoes are mandatory.

No unauthorized entry: Only authorized students and staffs are allowed in the lab.

Keep distance from moving parts: The students should keep a safe distance from the moving parts of any machine.

Keep workspace clean: The laboratory environment should be kept neat and clean by avoiding spattering fiber, yarn or fabric fragments over the floor.

No Eating or Drinking: Food and drinks are strictly prohibited to avoid contamination.

Safety Procedures for Specific Equipment

Laboratory scale Heater:

- ✓ Ensure the heater is in good working condition (no frayed wires, cracked surfaces, etc.).
- ✓ Never leave the heater unattended while it is on.
- ✓ Avoid heating flammable or volatile substances.
- ✓ Turn off and unplug the heater after use.

- ✓ Allow it to cool completely before cleaning or storing.
- ✓ Ensure proper ventilation to avoid heat buildup.

Infrared (IR) lab dyeing machine:

- ✓ Keep flammable materials away from the machine.
- ✓ Used only with the applicable power supply voltage
- ✓ Regularly clean machine and change the sensor water in regular interval.
- ✓ Never leave the machine running unattended.
- ✓ Use temperature controls properly to prevent overheating.
- ✓ Ensure proper ventilation to avoid heat buildup.

Fume Hood:

- ✓ Do not use open flames inside the fume hood unless designed for it.
- ✓ Ensure the sash is at the correct height to act as a barrier.
- ✓ Avoid storing flammable chemicals inside the hood.
- ✓ Regularly inspect filters and airflow.
- ✓ Keep electrical cords and heat sources away from spilled chemicals.

Accident and Health Hazard Provisions

First Aid Kit: Familiarize yourself with its location and basic first aid procedures.

Fire Safety: Know the emergency exits and fire alarm locations. Evacuate immediately if a fire cannot be controlled.

Incident Reporting: Report accidents immediately to the lab in-charge. Investigations will be conducted to prevent future incidents.

Lab Contact Information

Lab In-Charge: Md. Muksit Ahmed Chowdhury **Emergency Contact:** [LA: 01719917149, 01767329762]

REMEMBER: Safety First- Chemicals Don't Give Second Chances.