



MNFU Clean Rooms Safety

- Do not work alone; at least 2 persons should be present, one of them a qualified MNFU supervisor, or a laboratory instructor.
- Always use protective goggles. Do not use contact lenses.
- Use chemicals according to the process specification. Do not transport chemicals between work-stations.
- Organic solvents and HF waste should be collected in separate, marked containers. Never return chemicals to the supply bottles. Inorganic, non toxic, water solutions, with neutral PH (5-9) can be dumped into the chemical waste line.
- When diluting acids, always add acid to water.
- Use protective gloves, when treating chemicals, above your personal gloves.
- Wear shoes (do not enter the clean-rooms wearing sandals).
- Never leave inflammable solutions (acetone, methanol etc.) on hot plates un-attendant.
- Be sure that you know where are the emergency exits, and where the safety equipment (emergency showers, power shut down buttons, fire-blankets etc.) is located.
- Rinse your gloves with water, and wipe with paper, after using chemicals.

Behavior in emergency situations:

Chemical spill

1. Notify the emergency team, and evacuate the area.
2. If chemicals were spilled on a person: remove affected clothing, and wash for 15 minutes any part of the body that was affected. Specially pay attention to chemicals that were spilled to the eyes, use the eye washes. Seek medical attention after washing.
3. In case of HF burns – use calcium gluconate gel (after washing).
4. Spills on the floor should be absorbed (by the emergency response team) before washing the floor.

Fire

1. Notify the emergency team, and evacuate the area.
2. Notify the Technion security unit (tel: 2222/3839/2470) and the fire department (tel:9-102).
3. Use the fire extinguishers only if you have passed training, and you are sure that you are not endangering yourself – otherwise evacuate the area.

Exhaust failure/ power failure

1. Notify the emergency team, and evacuate the area.

