

# LABORATORY SPILL RESPONSE PROCEDURES

## FOR EMERGENCY - DIAL 2000

### CHEMICAL SPILL

1. Assess the spill.



Is the spill manageable? Is it a minor spill that can easily be cleaned up?

NO

YES

- Evacuate lab, restrict area and notify others in the area of the spill.
- If there is immediate risk to the safety of other people in the building, activate the emergency alarm and evacuate.
- Dial 2000 and provide campus dispatch with all relevant information.
- If safe to do so:
  - Attend to injured/contaminated personnel
  - Turn off ignition sources if flammable material involved
  - Restrict/contain spill

- Attend to injured/contaminated personnel.
- Turn off ignition sources if flammable material involved.
- Restrict area and notify others of the spill.
- Don appropriate PPE.
- Contain the spill.
- Neutralize if appropriate /required.
- Soak up spilt material using appropriate absorbents as applicable.
- Transfer to appropriate container and treat as hazardous waste

\*Note that certain materials such as pyrophorics, mercury, and hydrofluoric acid require specific neutralizers and/or modified spill response procedures. Specific response procedures should be developed based on the identity and quantity of material being handled.

### BIOLOGICAL SPILL

For Level 1 or 2 biohazards:



- Attend to injured/contaminated personnel.
- Restrict area and notify others of the spill.
- Don appropriate PPE.
- Contain the spill
- Decontaminate the area with appropriate disinfectant allowing for sufficient contact time.
- Soak up spilt material using appropriate absorbents as applicable.
- Transfer to autoclave bag and treat as biohazardous waste.

THE DISINFECTANT FOR THIS LAB IS:

### RADIOLOGICAL SPILL

See RSOPROC-010 for detailed procedure.

1. Assess the spill.



Is the volume more than 2L? Is the activity more than 10 x ALI?

NO

YES

- Attend to injured /contaminated personnel.
- Restrict the area and notify others of the spill
- Don appropriate PPE
- Contain spill.
- Use survey meter to establish "hot zones"
- Absorb from the outside in as applicable, transferring used absorbents into disposal containers and treat as radioactive waste.
- Decontaminate area with cleaning agent such as DeCon until radiation counts return to background levels.

- Evacuate lab, restrict area and notify others in the area of the spill.
- Contact the RSO at x54888 (out of hours dial 2000).