

BIOHAZARDOUS EXPOSURE & SPILLS



INFORM NEARBY INDIVIDUALS OF SPILL
EVACUATE IMMEDIATE AREA & ASK FOR HELP,
AS NECESSARY

(1) MAJOR INJURIES
OR SEVERE ALLERGIC
REACTIONS?

YES

CALL 911 AND
CALL CAMPUS SECURITY X33333

ADMINISTER FIRST AID
GO TO (2)

NO

(2) EYE, SKIN, BODY
EXPOSURE?

YES

ADMINISTER FIRST AID:

- EYES: USE NEAREST EYEWASH STATION, FLUSH 15 MINUTES
- SKIN AND/OR NEEDLESTICK: WASH WITH SOAP AND WATER & FLUSH 15 MINUTES, FOR PUNCTURES, SQUEEZE BLOOD TO FLOW OUT, WASH WITH SOAP & WATER, COVER WOUND WITH DRESSING/BAND AID
- SEEK MEDICAL ATTENTION AS NECESSARY, OR CONTACT DOHS (x55491) FOR ADVICE
- SUPERVISOR TO COMPLETE A STUDENT OR WORKER ACCIDENT REPORT

NO

(3) SPILL
inside BSC*?

YES

- KEEP BSC RUNNING
- PUT ON CLEAN LAB COAT AND GLOVES
- COVER SPILL WITH ABSORBENT MATERIAL (e.g. paper towels) AND POUR DISINFECTANT (e.g. 1% bleach) FROM THE OUTSIDE TO CENTER OF SPILL & ALLOW CONTACT FOR 30 MINUTES (or follow manufacturer's directions)
- COLLECT INTO WASTE BAG
- REMOVE RESIDUAL BLEACH (soap & water)
- DRAIN DISINFECTANT. DISINFECTED WASTE MAY BE DISPOSED WITH REGULAR WASTE
- DISINFECT ENTIRE HOOD AND ALL ITEMS BEFORE REMOVAL (e.g. 70% ethanol)

NO

(4) SPILL in
a centrifuge?

YES

- KEEP LID CLOSED, TURN OFF, ALLOW AEROSOLS TO SETTLE (~1hr)
- PUT ON CLEAN LAB COAT AND GLOVES
- REMOVE ANY BROKEN GLASS WITH FORCEPS AND PLACE INTO SHARPS CONTAINER
- REMOVE SAMPLES & WASTE DEBRIS, DISINFECT CONTAMINATED OUTER SURFACES (i.e. any salvaged sample containers) DISINFECT WASTE DEBRIS BEFORE DISPOSAL
- REMOVE AND DISINFECT ROTOR (if possible) & DISINFECT INSIDE OF CENTRIFUGE (e.g. 1% bleach soaked in paper towels, followed by cleaning with soap/water)

NO

(5) SPILL in
open area?

YES

- MINIMIZE INHALATION (hold breath until at a safe distance) GO TO CLEAN ZONE, PREVENT SPREADING (REMOVE LABCOAT, OR ANY CONTAMINATED CLOTHING)
- CORDON OFF THE SPILL ZONE AND WAIT FOR SPILL AREOSOLS TO DISSIPATE (~30 minutes) BEFORE RE-ENTRY. CLEAN SPILLS IN HALLWAYS IMMEDIATELY
- PUT ON PERSONAL PROTECTIVE EQUIPMENT (labcoat, gloves, face mask/respirator if required)
- COVER THE SPILL WITH ABSORBENT MATERIAL (e.g. paper towel)
- TREATMENT AT SPILL SITE: ADD DISINFECTANT (e.g. 1% bleach) WITHOUT SPREADING THE SPILL, TRANSFER TO BAG/PAIL, ADD MORE DISINFECTANT, ALLOW SUFFICIENT CONTACT TIME (e.g. 30 minutes). DRAIN DISINFECTANT, DISPOSE DISINFECTED WASTE WITH REGULAR WASTE
- TREATMENT AFTER CLEANUP: TRANSFER ABSORBED SPILL MATERIALS TO AUTOCLAVE BAG FOR AUTOCLAVING, WIPE DOWN SPILL AREA WITH APPROPRIATE DISINFECTANT

*BSC- Biological Safety Cabinet

IN **ALL** CASES :

1. NOTIFY THE SUPERVISOR/CERTIFICATE HOLDER
2. CONTACT BIOSAFETY OFFICER, x55491, IF ASSISTANCE IS REQUIRED
3. POST A "BIOLOGICAL SPILL CLEAN-UP IN PROGRESS" SIGN UNTIL AREA CLEAN AND DISINFECTED
3. SUPERVISOR TO COMPLETE A CHEMICAL/BIOLOGICAL INCIDENT REPORT, AND SUBMIT TO DOHS
4. DISINFECT CONTAMINATED CLOTHING (e.g. soak in 1% bleach, 30 minutes OR autoclave) BEFORE WASHING