

SPILL CLEAN UP PREPARATION

- 1) Take charge of the situation.
- 2) Ensure the safety of all personnel within the spill area. If necessary, evacuate the area.
- 3) Assess the spill area hazards.
- 4) Turn off any equipment that could exacerbate the spill hazards.
- 5) Determine whether the spill can be contained and cleaned by available personnel. If not, contact UNBC Security at x3333. Generally, a minor chemical spill is <1000mL.

SPILL CLEAN UP PROCEDURES

- 1) Put on appropriate personal protective equipment to clean up the spilled material.
- 2) Encircle spill at its perimeter by pouring on the appropriate Spill-X agent (acid, base, or solvent absorber/neutralizer).
- 3) Apply added Spill-X agent by working inward until the entire spill is covered.
- 4) If acid or base spill, allow foaming caused by neutralization reaction to subside.
- 5) Once the spill is covered completely, mix the Spill-X agent until the residue has a paste-like appearance. If any free flowing liquid remains, add more Spill-X.
- 6) If acid or base spill, test the pH of a representative sample. Only when the pH falls between 3 and 10 should you move on to Step 7.
- 7) Transfer the absorbed material to a Ziplock supplied in the spill kit.
- 8) Label the Ziplock bag with the full chemical name of all spilled material.
- 9) Remove gloves and dispose in Ziplock bag.
- 10) Wash your hands well.

SPILL FOLLOW UP

- 1) Clean goggles, dustpans, and plastic scoop with soap and water. Dry and return these items to kit if they are still in good condition.
- 2) Request replacements of any used spill kit items from the Dispensing Chemist.
- 3) Hazardous waste should be taken to or picked up by the Dispensing Chemist.
- 4) Complete the Spill Report Form and return to Risk and Safety Management.

SPILL KIT CONTENTS

1	pair safety goggles	5	Ziploc bags, large
2	pair Nitrile gloves, thick	1	HazMat bag
2	Acid neutralizer shakers	1	package pH paper
2	Base neutralizer shakers	1	Sharpie pen
2	Solvent absorbent shakers	1	Roll of lab tape
2	Dustpans	10	Spill Report Forms
1	Plastic brush/scoop		

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- 3) Assess the spill area hazards.
- 4) Turn off any equipment that could exacerbate the spill hazards.
- 5) Determine whether the spill can be contained and cleaned by available personnel. If not, contact UNBC Security at x3333. Generally, a minor biological spill is <250mL.

SPILL CLEAN UP PROCEDURES

- 1) Put on appropriate personal protective equipment to clean up the spilled material.
- 2) Pick up any broken glass with forceps and autoclave prior to disposal.
- 3) Cover the spill with absorbent material (e.g. paper towel) and the appropriate disinfectant. A freshly made solution of 10% household bleach is adequate for most biological spills.
- 4) Allow sufficient contact time, ~20 minutes.
- 5) Pick up the used absorbent material and place in biohazard bag.
- 6) Wipe the spill area with the appropriate disinfectant (e.g. a solution of 10% household bleach or 70% ethanol).
- 7) Remove gloves and dispose in biohazard bag.
- 8) Wash your hands well.

NOTE: If a spill occurs in a biosafety cabinet, follow the procedures above to clean up spill with the cabinet still operating. Use a suitable solution of decontaminant to spray or wash all surfaces (including walls) of the biosafety cabinet.

SPILL FOLLOW UP

- 1) Clean, dry and return safety goggles to the spill kit, if they are still in good condition.
- 2) Request replacements of any used spill kit items from the Dispensing Chemist.
- 3) Hazardous waste should be taken to or picked up by the Dispensing Chemist.
- 4) Complete the Spill Report Form and return to Risk and Safety Management.

SPILL KIT CONTENTS

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| 1 | pair safety goggles |
| 2 | pair Nitrile gloves, thick |
| 1 | pair forceps |
| | paper towels |
| | disinfectant (e.g. 10% household bleach solution and/or 70% ethanol) |
| 3 | biohazard bags |
| 1 | Sharpie pen |
| 1 | Roll of lab tape |
| 10 | Spill Report Forms |

Procedures for chemical spills on reverse.